



Metro Trans

2025 CAMET 论坛 FORUM

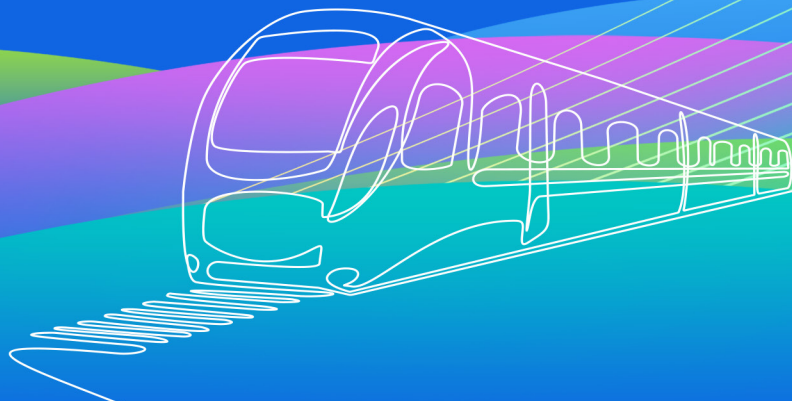
会议手册 CONFERENCE HANDBOOK

主办单位：中国城市轨道交通协会

承办单位：北京中城轨会展有限公司

2025年9月18日-20日 中国·青岛

September 18-20, 2025 Qingdao, China



论坛合作伙伴 \ FORUM PARTNERS

钻石 \ DIAMOND



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北京恒安卫士保安服务有限公司
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会议用水：深圳市臻选联晟科技有限公司

2025 CAMET 论坛 FORUM



尊敬的参会嘉宾：

Dear Guests,

欢迎您参加由中国城市轨道交通协会主办的 2025 中国国际城市轨道交通展览会暨 CAMET 论坛（MetroTrans2025）。以及同期举办的第二届城市轨道交通高新技术成果交易会、第二届城市轨道交通科普展示会、中国城市轨道交通低运能系统业主领导人圆桌会。

Welcome to the 2025 China International Metro Transit Exhibition & CAMET Forum (MetroTrans2025), the premier industry event hosted by the China Association of Metros. Held concurrently are The 2nd Metro Transit Hi-Tech Fair, the 2nd Urban Rail Transit Popular Science Exhibition, and the Urban Rail Transit Low-Capacity System Owner Leaders Roundtable.

一、关于展会 / ABOUT THE EXHIBITION

2025 年 6 月，获商务部批准，原 2025 北京 - 青岛国际城市轨道交通展览会正式更名为 2025 中国国际城市轨道交通展览会暨 CAMET 论坛（简称 MetroTrans2025）。MetroTrans 正式跻身“国字号”展会序列，成为国内首个城市轨道交通专业国际化展览展示交流平台。展会主题为“创新破局 迈向城轨发展新阶段”。

经过十年 8 届的精心培育和发展，MetroTrans 一步步实现着初心战略，规模不断扩大，质量不断提升，国际化比例不断提高，成为专业化的交流合作平台、新技术新产品展示发布平台、供求对接平台、大众科普与互动平台。

In June 2025, with the approval of the Ministry of Commerce, the former “2025 Beijing-Qingdao International Metro Transit Exhibition” was officially renamed the “2025 China International Metro Transit Exhibition & CAMET Forum” (MetroTrans2025). Now officially a national-level exhibition, MetroTrans is China’s definitive international platform for the urban rail transit industry. The theme of the exhibition is “Breakthrough via Innovation: Advancing to a New Stage of Urban Rail Development.”

After more than a decade of development over eight editions, MetroTrans has steadily fulfilled its founding strategy. It has continuously expanded in scale, enhanced in quality, and increased its international participation, evolving into a specialized platform for professional exchange, new technology showcases, supply-demand matchmaking, and public science engagement.

二、关于 CAMET 论坛 / ABOUT THE CAMET FORUM

站在新十年的起点，为进一步推动国际交流，积极推动品牌实现从国内盛会向国际化嘉年华迈进的全新升级，原 MetroTrans 高峰论坛正式更名为“CAMET 论坛”。

“CAMET”取自中国城市轨道交通协会英文简称，一方面体现论坛的官方属性，赋予了论坛更高的权威性与公信力；另一方面，强化了其作为城轨行业核心交流平台的专业定位。另外“CAMET”中的每个字母，也赋予了新的内涵：意为立足城市发展需求（City），聚焦先进技术研发与应用，引领智慧化、绿色化、数字化创新方向（Advanced），以提升城市出行便利性与效率为核心，优化多制式轨道交通网络协同（Mobility），践行可持续发展理念，推动低碳节能技术赋能行业绿色转型（Environment），搭建开放共享的技术交流平台（Technology），加速创新成果转化与国际标准对接，助力全球城轨高质量发展，推动轨道交通行业迈向新高度。

CAMET 论坛整体定位更趋专业、开放与多元，依托中国城市轨道交通协会资源，进一步拓展国际合作议题，从单一论坛向“专业交流 + 产业对接”的复合型平台转型。CAMET 论坛现场将荟聚城轨交通领域决策层领导、国内外各地轨道交通业主单位、中外院士及行业专家学者、厂商和全供应链代表，线下线上互动，线下定期论坛与线上长期研讨相结合，为城轨交通行业的可持续高质量发展聚智赋能。

At the dawn of a new decade, to further promote international exchange and elevate the brand from a domestic event to a global celebration, the original MetroTrans Summit Forum has been officially renamed the “CAMET Forum”.

The “CAMET” name, from the host’s acronym, signifies official authority and reinforces the forum’s position as the industry’s core platform for professional exchange. The acronym “CAMET” is also imbued with new meaning: it stands for addressing urban development needs (City), focusing on advanced R&D and applications to lead smart, green, and digital innovation (Advanced), enhancing urban travel convenience and efficiency through optimized multi-modal rail network synergy (Mobility), practicing sustainability by empowering a green transition with low-carbon technologies (Environment), and building an open, shared platform for technical exchange (Technology) to accelerate innovation and global standards alignment, driving the industry to new heights.

The CAMET Forum is positioned to be more professional, open, and diverse. Leveraging the resources of CAMET, it will expand its international cooperation agenda, transforming from a single forum into a hybrid platform integrating professional exchange with industrial matchmaking. The CAMET Forum unites global decision-makers, transit leaders, industry experts, and the entire supply chain. Through dynamic offline and online engagement, we are powering the future of sustainable, high-quality urban rail transit.

三、论坛日程 / FORUM AGENDA

2025 年 9 月 18 日 星期四 论坛日程
Thursday, September 18th Forum agenda

时间 / TIME	论坛议题 / FORUM TOPICS	地点 / ADDRESS
09:00-09:20	开幕式 Opening Ceremony	展场中心十字连廊 高新技术成果发布签约区 Cross Corridor of Exhibition Center, High-Tech Achievements Release and Signing Area
09:20-10:20	组委会巡馆 Organizing Committee Exhibition Tour	展馆 Exhibition Hall
10:30-12:10	主论坛（第一阶段）：创新破局 迈向城轨发展新阶段 Main Forum (Phase 1): Innovation Drives Breakthrough Advancing Into a New Era Of Urban Rail	会议中心 3 层 大宴会厅 A Grand Ballroom A 3rd Floor, Conference Center
13:30-17:30	主论坛（第二阶段）：创新破局 迈向城轨发展新阶段 Main Forum (Phase 2): Innovation Drives Breakthrough Advancing Into a New Era Of Urban Rail	会议中心 3 层 大宴会厅 A Grand Ballroom A, 3rd Floor, Conference Center
14:00-18:00	同期活动：城市轨道交通低运能系统业主领导人圆桌会 Concurrent Event: Urban Rail Transit Low-Capacity System Owner Leaders Roundtable	会议中心 2 层 206 会议室 Meeting Room 206 2nd Floor, Conference Center

论坛日程 / FORUM AGENDA

2025年9月19日 星期五 论坛日程

Friday, September 19th Forum agenda

时间 / TIME	论坛议题 / FORUM TOPICS	地点 / ADDRESS
08:30-12:00	国际学术论坛：合作共赢 构建全球城轨新范式 International Academic Forum: Cooperate to win-win and build a new global urban rail paradigm	会议中心 3 层 大宴会厅 1 Grand Ballroom 1 3rd Floor, Conference Center
08:30-12:00	分论坛一：大师论坛 Session I: Master Forum	会议中心 2 层 207 会议室 Meeting Room 207 2nd Floor, Conference Center
09:00-12:00	分论坛二：国家工程研究中心专家论坛 Session II: National Engineering Research Center Forum	会议中心 3 层 大宴会厅 3 Grand Ballroom 3 3rd Floor, Conference Center
09:00-16:20	分论坛四：AI：开启城轨新征程 Session IV: AI: Embarking on a New Journey of Urban Rail	会议中心 3 层 大宴会厅 2 Grand Ballroom 2 3rd Floor, Conference Center
09:00-12:10	分论坛六：城市轨道交通与低空交通协同发展 Session VI: Collaborative Development of Urban Rail Transit and Low-Altitude Traffic	会议中心 2 层 206 会议室 Meeting Room 206 2nd Floor, Conference Center
09:00-12:30	分论坛七：“十五五”城轨交通人才培养再出发 第一阶段《城市轨道交通“十五五”人才培养规划》专场 Session VII: The urban rail transportation talent cultivation under the “Fifteenth Five-Year Plan” takes off again Phase I: “15th Five-Year Plan” Planning Session	N4 馆 人才展区 Talent Exhibition Area, Hall N4
09:00-12:10	分论坛十：标准体系创新与发展 Session X: Innovation and Development of the Standard System	N6 馆 会议区 Meeting Area, Hall N6
09:00-11:50	专题论坛一：智轨新程·共绘未来—城轨装备数智化升级与可持续发展论坛 Thematic Forum I: Smart Rail New Journey · Painting the Future Together - Urban Rail Transit Digital Intelligence Upgrade and Sustainable Development Forum	会议中心 3 层 大宴会厅 5 Grand Ballroom 5 3rd Floor, Conference Center
14:00-17:20	分论坛五：城轨绿智维保论坛 Session V: Urban Rail Transit Green, Intelligent and Maintenance Forum	会议中心 3 层 大宴会厅 1 Grand Ballroom 1 3rd Floor, Conference Center
14:00-17:00	分论坛七：“十五五”城轨交通人才培养再出发 第二阶段：技能竞赛专场 Session VII: The urban rail transportation talent cultivation under the “Fifteenth Five-Year Plan” takes off again Phase II: Professional Skills Competition Session	N4 馆 人才展区 Talent Exhibition Area, Hall N4
14:00-18:00	分论坛八：智能建造 Session VIII: Intelligent Construction	N6 馆 会议区 Meeting Area, Hall N6

2025 年 9 月 19 日 星期五 论坛日程

Friday, September 19th Forum agenda

时间 / TIME	论坛议题 / FORUM TOPICS	地点 / ADDRESS
14:00-17:30	分论坛九：绿·智·融合可持续发展论坛暨总工沙龙 Session IX: Green, Intelligent, and Integrated Sustainable Development Forum and Chief Engineer Salon	会议中心 3 层 大宴会厅 5 Grand Ballroom 5 3rd Floor, Conference Center
14:00-17:00	专题论坛二：数聚轨交·鉴往知来：统计与年鉴技术研讨会 Thematic Forum II: Data-Driven Rail Transit · History informs the future: Statistics and Yearbook Technical Seminar	会议中心 2 层 207 会议室 Meeting Room 207 2nd Floor, Conference Center
14:00-17:30	专题论坛三：第二届城市轨道交通空调技术交流会 - 车辆空调及车站环控 Thematic Forum III: 2nd Urban Rail Transit Air Conditioning Technology Exchange Conference - Vehicle Air Conditioning and Station Environmental Control	会议中心 3 层 大宴会厅 3 Grand Ballroom 3 3rd Floor, Conference Center
14:00-17:00	同期活动：城市轨道交通 TOD 论坛 2025 青岛年会 Concurrent Activity: 2025 Urban Rail Transit TOD Forum Annual Meeting	会议中心 2 层 206 会议室 Meeting Room 206 2nd Floor, Conference Center
14:00-17:00	同期活动：城轨行业期刊及知识传播论坛 Concurrent Activity: Urban Rail Transit Industry Journals and Knowledge Dissemination Forum	N4 馆 科普展区 Popular Science Exhibition Area, Hall N4
18:00-20:00	同期活动：第三届交大校友沙龙 Concurrent Activity: The 3rd Jiaotong University Alumni Salon	会议中心 2 层 207 会议室 Meeting Room 207 2nd Floor, Conference Center

2025 年 9 月 20 日 星期六 论坛日程

Saturday, September 20th Forum agenda

时间 / TIME	论坛议题 / FORUM TOPICS	地点 / ADDRESS
09:00-12:00	分论坛三：城轨行业科普论坛 Session III: Industry Science Education Forum	N4 馆 科普展区 Popular Science Exhibition Area, Hall N4
09:30-12:10	分论坛七：“十五五”城轨交通人才培养再出发 第三阶段：城轨运营从业人员技能素质提升专场 Session VII: The urban rail transportation talent cultivation under the “Fifteenth Five-Year Plan” takes off again Phase III: Urban Rail Operations Personnel Skills Enhancement Session	N4 馆 人才展区 Talent Exhibition Area, Hall N4

论坛日程 / FORUM AGENDA

四、展馆场地 / VENUE



行人流线
Walking Route

高新技术成果馆
Metro Transit Hi-Tech Pavilion

科普展区
Popular Science

文化教育与人才展区
Exhibition Zone for Culture, Education and Talents

人工智能暨绿智融合展区
AI and Green-Intelligent Convergence Exhibition Zone

基础设施及工程建设展区
Infrastructure and Engineering Construction

低空经济与城轨融合展区
Urban Rail Transit + Low-altitude Economy

信号、通信系统、IT技术与人工智能展区
Signals, Communication Systems, IT Technology, and Artificial Intelligence

车辆系统及装备供应链展区
Vehicle Systems and Supply Chain

运营及经营服务展区
Operation and Business Services

轨道交通个体防护装备展区
Rail Transit Personal Protective Equipment Exhibitio

五、其他事项 / OTHER INFORMATION

[关于论坛议程 / FORUM AGENDA]

因会议手册提前印制，本手册内容截止日期为 9 月 10 日，会议内容与手册内容可能有所不同，请以会议当日实际议程为准。我们会在论坛报名系统中持续更新 CAMET 论坛相关议程，请您关注。

As this manual was printed in advance (deadline: September 10), its content may differ from the final schedule. Please refer to the actual agenda on the day of the event. We will continuously update the CAMET Forum agenda in the registration system. Please stay tuned.



报名系统

[关于调研问卷 / SURVEY QUESTIONNAIRE]

为全面了解观众参会体验，促进 CAMET 论坛以更优质的服务回馈行业，特别设置调研问卷。请您拨冗填写一份以选择题为主的，简单的调研问卷。填写问卷有可能获得一份来自组委会的礼品（奖品将在会后邮寄至您提供的地址）。

To better understand the attendee experience and improve our services, we have prepared a special survey. Please take a moment to complete this simple, multiple-choice questionnaire. You may receive a gift from the Organizing Committee for your participation (to be mailed to the address you provide).



调查问卷二维码

[关于论坛资料 / FORUM MATERIALS]

论坛相关资料会在报名系统中体现，相关信息将陆续发布和持续更新，请扫描右侧二维码关注人民城轨“北京国际城市轨道交通展览会”或公众号，获取更多会议信息。

Forum materials will be available in the registration system. For the latest updates, please scan the QR code on the right to follow the “People’s Urban Rail” and “Beijing International Metro Transit Exhibition” official WeChat accounts.



MetroTrans 公众号

[关于线上展会 / ONLINE EXHIBITION]

请扫描右侧二维码下载人民城轨 app，观看线上展览、论坛直播和获取其他信息。

组委会再次欢迎您参加由中国城市轨道交通协会主办的 2025 中国国际城市轨道交通展览会暨 CAMET 论坛，希望您有一个愉快的参会体验。

Please scan the QR code on the right to download the “People’s Urban Rail” app to view the online exhibition, watch live-streamed forums, and access other information.

The Organizing Committee once again welcomes you to the 2025 China International Metro Transit Exhibition & CAMET Forum, hosted by the China Association of Metros. We wish you a pleasant experience.



人民城轨 app

[论坛组联系人 / FORUM TEAM CONTACTS]

吴林峰 / Wu Linfeng: 18501235598 陈岩 / Chen Yan: 13717655325

MetroTrans 组委会 / The MetroTrans Organizing Committee

2025 年 9 月 10 日 / September 10, 2025

中国·青岛 / CHINA·Qingdao

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创新破局 迈向城轨发展新阶段

2025 中国国际城市轨道交通 CAMET 论坛
China International Metro Transit CAMET Forum

组织架构

ORGANIZATIONAL STRUCTURE

主办单位 / HOSTED BY

中国城市轨道交通协会

China Association of Metros (CAMET)

特邀协办 / SPECIAL CO-ORGANIZERS

上海申通地铁集团有限公司

Shanghai Shentong Metro Group Co., Ltd.,

南京地铁集团有限公司

Nanjing Metro Group Co., Ltd.,

北京市基础设施投资有限公司

Beijing Infrastructure Investment Co., Ltd.,

广州地铁集团有限公司

Guangzhou Metro Group Co., Ltd.

重庆市轨道交通（集团）有限公司

Chongqing Rail Transit (Group) Co., Ltd.,

深圳市地铁集团有限公司

Shenzhen Metro Group Co., Ltd.,

青岛地铁集团有限公司

Qingdao Metro Group Co., Ltd.,

中国中车股份有限公司

CRRC Corporation Limited,

中国中铁股份有限公司

China Railway Group Limited

支持单位 / SUPPORTING ORGANIZATIONS

国际公共交通联合会 (UITP)

International Association of Public Transport (UITP)

北京市地铁运营有限公司

Beijing Mass Transit Railway Operation Corp. Ltd.

天津轨道交通集团有限公司

Tianjin Rail Transit Group Co., Ltd.

成都轨道交通集团有限公司

Chengdu Rail Transit Group Co., Ltd.

武汉地铁集团有限公司

Wuhan Metro Group Co., Ltd.

西安市轨道交通集团有限公司

Xi'an Rail Transit Group Co., Ltd.

杭州市地铁集团有限责任公司

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沈阳地铁集团有限公司

Shenyang Metro Group Co., Ltd.

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Zhengzhou Public Utility Investment Development Group Co., Ltd.

北京交通大学

Beijing Jiaotong University

西南交通大学

Southwest Jiaotong University

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Beijing Urban Construction Design & Development Group Co., Limited

中国铁道科学研究院集团有限公司

China Railway Science Research Institute Group Co., Ltd.

交通运输部科学研究院

Transportation Research Institute

中国城市规划设计研究院

China Urban Planning & Design Research Institute

中国铁建股份有限公司

China Railway Construction Corporation Limited

湘电集团有限公司

Xiangdian Group Co., Ltd.

中国铁路通信信号股份有限公司

China Railway Signal & Communication Co., Ltd.

交控科技股份有限公司

MTR Corporation Limited

新誉集团有限公司

New United Group

承办单位 / ORGANIZER

中国城市轨道交通协会专家和学术委员会	China Association of Metros Experts and Academic Committee
中国城市轨道交通协会会员服务部	China Association of Metros Membership Service Department
中国城市轨道交通协会统计部	China Association of Metros Statistics Department
中国城市轨道交通协会标准部	China Association of Metros Standardization Department
中国城市轨道交通协会文化和培训部	Culture and Training Department of CAMET
中国城市轨道交通协会标准化技术委员会	China Association of Metros Standardization Technical Committee
中国城市轨道交通协会文化工作委员会	China Association of Metros Cultural Work Committee
中国城市轨道交通协会绿色智慧城轨建设领导小组办公室	China Association of Metros Green Smart Urban Rail Construction Leading Group Office
中国城市轨道交通协会城市轨道交通创新网络管理委员会	China Association of Metros Urban Rail Transit Innovation Network Management Committee
中国城市轨道交通协会运营管理专业委员会	China Association of Metros Operation Management Committee
中国城市轨道交通协会设计咨询专业委员会	China Association of Metros Design & Consulting Committee
中国城市轨道交通协会工程建设专业委员会	China Association of Metros Engineering Construction Committee
中国城市轨道交通协会技术装备专业委员会	China Association of Metros Technical Equipment Committee
中国城市轨道交通协会安全管理专业委员会	China Association of Metros Safety Management Committee
中国城市轨道交通协会资源经营专业委会	China Association of Metros Resource Operation Committee
中国城市轨道交通协会信息化专业委员会	China Association of Metros Informationization Committee
中国城市轨道交通协会低运能系统分会	China Association of Metros Low-capacity System Branch
中国城市轨道交通协会单轨分会	Monorail Branch, China Association of Metros
北京中轨道交通研究院有限公司	CMCL Transportation Management Research Institute Co., Ltd.
北京中城轨会展有限公司	Beijing MetroTrans Exhibition Co., Ltd.
北京中城轨文化传播有限公司	Beijing MetroTrans Culture Communication Co., Ltd.

主论坛（第一阶段）

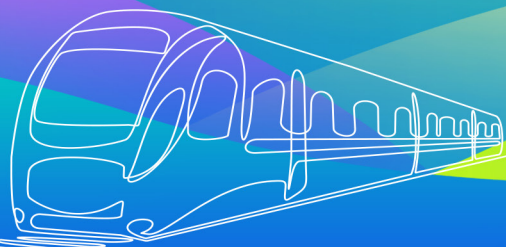
创新破局 迈向城轨发展新阶段

Main Forum (Part I): Innovation Drives Breakthrough Advancing Into a New Era Of Urban Rail

论坛架构 / FORUM STRUCTURE

- 论坛时间:** 2025年9月18日 10:30-12:10
- 论坛地点:** 中铁青岛世界博览城 会议中心3层大宴会厅A
- 主办单位:** 中国城市轨道交通协会
- 承办单位:** 中国城市轨道交通协会专家和学术委员会
中国城市轨道交通协会传媒会展中心
- 支持单位:** 中国中车股份有限公司
华为技术有限公司
北京恒安卫士保安服务有限公司
八维通科技有限公司

- Forum Time: September 18, 2025, 10:30-12:10
- Venue: Grand Ballroom A, 3rd Floor, Convention Center
- Hosted by: China Association of Metros (CAMET)
- Organized by: Experts and Academic Committees of CAMET
China Association of Metros Media Exhibition Center
- Supported by: CRRC Corporation Limited
Huawei Technologies Co., Ltd.
Beijing Hengan Security Safeguard Service Co., Ltd.
BWTON Technology Co., Ltd.



论坛议程 / FORUM AGENDA

主持人	周晓勤 中国城市轨道交通协会常务副会长
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一、主旨演讲

时间	发言主题	发言嘉宾	单位及职务
10:30-11:00	“四网融合”城轨发展新阶段	何华武	铁道工程专家 正高工
11:00-11:30	我国城市轨道交通发展的若干思考	陈湘生	深圳大学 未来地下城市研究院院长
11:30-11:50	中城协 4+N 成果，助力建设新时代城轨交通	相关领导	中国城市轨道交通协会
11:50-12:10	东湖实验室核心技术在绿色城轨中的创新实践与应用探索	肖飞	东湖实验室首席专家

Moderator	Zhou Xiaoqin, Executive Vice President, China Association of Metros
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I. KEYNOTE SPEECHES

TIME	TOPIC	SPEAKERS	AFFILIATION & TITLE
10:30-11:00	"Four-Network Integration" — A New Stage in Urban Rail Development	He Huawu	Railway Engineering Expert, Professor-level Senior Engineer
11:00-11:30	Several Reflections on the Development of Urban Rail Transit in China	Chen Xiangsheng	Shenzhen University President, Future Underground City Research Institute
11:30-11:50	CAMET's 4+N Achievements: Empowering a New Era of Urban Rail Transit	Leaders	China Association of Metros
11:50-12:10	Innovative Practices and Applications of East Lake Laboratory's Core Technologies in Green Urban Rail	Xiao Fei	Chief Scientist, East Lake Laboratory

主论坛（第一阶段）

创新破局 迈向城轨发展新阶段

MAIN FORUM (PHASE 1):
INNOVATE TO BREAK THROUGH AND MOVE TOWARDS A NEW STAGE OF URBAN RAIL DEVELOPMENT

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



何华武 / He Huawu

铁道工程专家 正高工

Railway Engineering Expert, Professor-level Senior Engineer

何华武，男，汉族，中共党员，1955年8月23日出生于四川省资阳市，铁道工程专家，教授级高级工程师，注册咨询工程师，博士生导师，享受国务院政府特殊津贴的专家，中国科学技术协会副主席。1977年9月，何华武毕业于西南交通大学；1982年，硕士毕业于中华人民共和国铁道部科学研究院；2004年1月，担任中华人民共和国铁道部技术委员会主任；2009年，当选中国工程院院士；2013年2月，担任中国铁路总公司总工程师；2016年6月，当选中国科学技术协会副主席。2022年6月，据中国工程院官网显示，何华武已不再担任院领导。何华武主要从事铁路工程、运输技术工作和铁路科技研究与应用。

He Huawu A distinguished expert in railway engineering, Mr. He Huawu was born in Ziyang, Sichuan Province on August 23, 1955. He is a Professor-level Senior Engineer, a registered consulting engineer, a doctoral supervisor, and a recipient of the State Council's special government allowance. He also serves as the Vice Chairman of the China Association for Science and Technology. Mr. He graduated from Southwest Jiaotong University in September 1977 and received his master's degree from the China Academy of Railway Sciences in 1982. He was appointed Director of the Technical Committee of the Ministry of Railways in January 2004, elected as an Academician of the Chinese Academy of Engineering in 2009, became the Chief Engineer of China Railway Corporation in February 2013, and was elected Vice Chairman of the China Association for Science and Technology in June 2016. In June 2022, the official website of the Chinese Academy of Engineering indicated that Mr. He Huawu was no longer serving in a leadership role at the academy. Mr. He Huawu's work primarily focuses on railway engineering, transportation technology, and the research and application of railway science and technology.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



陈湘生 /Chen Xiangsheng

深圳大学土木与交通工程学院院长

Shenzhen University Dean, College of Civil and Transportation Engineering

陈湘生，中国工程院院士，一级教授，人工冻土力学、隧道与地下工程、特殊岩土工程、建井工程著名专家。深圳大学土木与交通工程学院院长、深圳大学未来地下城市研究院院长。1982年1月毕业于淮南矿院，2000年1月获得清华大学博士学位（全国优秀博士论文），先后访学于柏林工业大学、鲁尔大学和剑桥大学。历任煤炭科学研究总院北京建井研究所所长和总院副总工程师，深圳市地铁集团有限公司总工程师（副总经理）。先后主持或主参完成70多项各类科研项目、主持完成总投资人民币1650亿60余项重大工程项目；获国家科技进步奖3项、省部级和一级学会奖12项、4项詹天佑工程奖、出版11部专著或主编科技书籍、300余篇期刊或会议论文；培养高级科技人员60多位、研究生和博士后毕业或出站15名。

Chen Xiangsheng Professor Chen Xiangsheng, an Academician of the Chinese Academy of Engineering, is a renowned expert in artificial frozen soil mechanics, tunneling and underground engineering, special geotechnical engineering, and shaft construction. He is the Dean of the College of Civil and Transportation Engineering and the President of the Future Underground City Research Institute at Shenzhen University. He graduated from Huainan Mining Institute in January 1982, earned his Ph.D. from Tsinghua University in January 2000 (with a nationally recognized outstanding doctoral dissertation), and has been a visiting scholar at the Technical University of Berlin, Ruhr-University Bochum, and the University of Cambridge. His previous roles include Director of the Beijing Shaft Sinking Research Institute and Deputy Chief Engineer of the China Coal Research Institute, as well as Chief Engineer (Deputy General Manager) of Shenzhen Metro Group Co., Ltd. He has led or played a key role in over 70 scientific research projects and has overseen more than 60 major engineering projects with a total investment of RMB 165 billion. His accolades include three National Science and Technology Progress Awards, 12 provincial/ministerial and first-level society awards, and four Tien-yow Jeme Civil Engineering Prizes. He has authored or edited 11 books and published over 300 papers in journals and conferences, and has supervised more than 60 senior researchers and 15 postgraduate and postdoctoral fellows.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



周晓勤 / Zhou Xiaoqin

中国城市轨道交通协会常务副会长

China Association of Metros Executive vice president

周晓勤，1983.3 - 1988.12 北京铁路分局电子计算所工程师；1988.12 -2017.2 中国国际工程咨询公司；历任：交通项目部铁道处工程师、副处长、处长、高级工程师，交通产业发展部副主任、主任，教授级高工；2017.3- 现在任中国城市轨道交通协会常务副会长。

Zhou Xiaoqin, Mar. 1983-Dec. 1988 Engineer at Electronic Computing Institute, Beijing Railway Bureau. Dec. 1988 - Feb. 2017 China International Engineering Consulting Corporation. Served the following posts successively in China International Engineering Consulting Corporation: Engineer, deputy director, director, senior engineer of Railway Division of Transportation Project Department, deputy director and director of Transportation Project Department, director of Transportation Business Department and professor-level senior engineer. Mar. 2017- now Executive deputy president of China Association of Metros.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



肖飞 / Xiao Fei

湖北东湖实验室副主任

Deputy Director, East Lake Laboratory, Hubei Province

肖飞，电力电子与电气传动技术专家，参与国家重大专项、国家 973、自然科学基金、国防重大装备研制等近 30 项重大课题，取得了一系列创新性成果。先后获得国家科技进步一等奖 2 项（2,2）、国家科技进步二等奖 1 项（2）、国家能源科技进步三等奖 1 项（1）。授权发明专利 17 项，发表学术论文百余篇，其中 SCI/EI 收录索引的论文 50 余篇。被评为全国优秀科技工作者，入选国家科技部“万人计划”，国家百千万人才工程，入选教育部“新世纪人才支持计划”，获“求是”杰出青年实用工程奖，享受国务院政府特殊津贴；获得中国“五四青年奖章”，中国青年科技奖，何梁何利科技创新奖，中国科协发明创业奖。

Xiao Fei; Affiliation: Hubei East Lake Laboratory; Position: Deputy Director and Chief Scientist of Hubei East Lake Laboratory, an expert in power electronics and electric drive technology. He has participated in nearly 30 major projects including national major special programs, the National 973 Program, Natural Science Foundation, and defense major equipment development, has achieved a series of innovative results. He has successively received two (2) First Prizes of the National Science and Technology Progress Award, one (1) Second Prize for National Science and Technology Progress Award, and one (1) Third Prize for National Energy Science and Technology Progress Award. He holds 17 authorized invention patents and has published over 100 academic papers, including more than 50 indexed by SCI/EI. He has been honored as a "National Outstanding Scientific and Technological Worker", selected into the "Ten Thousand Talents Program" of the Ministry of Science and Technology, the "National Hundred, Thousand and Ten Thousand Talents Project", and the "New Century Talents Support Program" of the Ministry of Education. He is also a recipient of the "Qjushi Outstanding Young Talent Award for Applied Engineering", enjoys the Special Government Allowance of the State Council, and has won honors such as the "China May 4th Youth Medal", the "China Youth Science and Technology Award", the "Ho Leung Ho Lee Award for Scientific and Technological Innovation", and the "Invention and Entrepreneurship Award of the China Association for Science and Technology". Recognized as a National Outstanding Science and Technology Worker, he was selected for the Ministry of Science and Technology's "Ten Thousand Talents Program" and the National Hundred-Thousand-Talent Project. He was also included in the Ministry of Education's "New Century Talent Support Program", awarded the "Qiu Shi" Outstanding Young Practical Engineering Award, and received the State Council Special Government Allowance. His honors include China's "May Fourth Youth Medal", China Youth Science and Technology Award, Ho Leung Ho Lee Innovation Award, and China Association for Science and Technology Invention and Entrepreneurship Award.

主论坛（第二阶段）

创新破局 迈向城轨发展新阶段

Main Forum (Part II): Innovation Drives Breakthrough Advancing Into a New Era Of Urban Rail

论坛架构 / FORUM STRUCTURE

- 论坛时间:** 2025年9月18日 13:30-17:30
- 论坛地点:** 中铁青岛世界博览城 会议中心 3层大宴会厅 A
- 主办单位:** 中国城市轨道交通协会
- 承办单位:** 中国城市轨道交通协会专家和学术委员会
中国城市轨道交通协会传媒会展中心
- 支持单位:** 中国中车股份有限公司
华为技术有限公司
北京恒安卫士保安服务有限公司
八维通科技有限公司

Forum Time: September 18, 2025, 13:30-17:30

Venue: Grand Ballroom A, 3rd Floor, Convention Center

Hosted by: China Association of Metros (CAMET)

Organized by: Experts and Academic Committees of CAMET
China Association of Metros Media Exhibition Center

Supported by: CRRC Corporation Limited
Huawei Technologies Co., Ltd.
Beijing Hengan Security Safeguard Service Co., Ltd.
BWTON Technology Co., Ltd.



论坛议程 / FORUM AGENDA

主持人	中国城市轨道交通协会相关领导
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一、主题演讲

时间	发言主题	发言嘉宾	单位及职务
13:30-13:50	AI 赋能 创新驱动：迈向城轨高质量发展新阶段	张 君	青岛地铁集团有限公司董事长
13:50-14:10	突出主业 创新破局 为 8D 魔幻城市注入时代动能	乐 梅	重庆城市交通开发投资(集团)有限公司 副总经理 重庆轨道交通运营有限公司董事长
14:10-14:30	提质增效 ——广州城市轨道交通可持续发展的探索与思考	刘 靖	广州地铁集团有限公司 党委副书记、副董事长、总经理
14:30-14:50	深耕国创城轨票务系统 提升便捷融合智慧化的出行服务	韩志伟	北京市基础设施投资有限公司副总经理
主持人	韩宝明 中国城市轨道交通协会专家学术委副主任兼秘书长		
14:50-15:10	多元融合可持续发展新模式 城轨交通高质量发展新动能	张 军	无锡地铁集团有限公司董事局主席
15:10-15:30	更高性价比轨道交通系统解决方案	宁文泽	中国中车股份有限公司总裁助理
15:30-15:50	城市轨道交通的变革：全球趋势、挑战与机遇	贾斯帕·辛格	国际公共交通协会 (UITP) 全球会员及运营高级总监
15:50-16:10	跃升城轨智能化，助力行业可持续发展	徐旭晶	华为技术有限公司轨道智慧化军团 COO
主持人	简 炼 中国城市轨道交通协会专家学术委副主任		
16:10-16:30	轨道上的都市圈—京雄快线实践	赵鹏林	中国城市轨道交通协会 专家学术委副主任 河北雄安新区特聘专家
16:30-16:50	以技术统筹推动网络效能提升	刘加华	中国城市轨道交通协会 专家和学术委员会副主任 上海申通地铁集团有限公司总工程师
16:50-17:10	中低运能轨道交通规划建设关键技术研究	高胜庆	中国城市和小城镇改革发展中心所长
17:10-17:30	空间智能技术赋能轨道交通融合创新	郑 航	八维通科技有限公司首席数字官

论坛结束

论坛议程 / FORUM AGENDA

Moderator	Leaderships of the Experts and Academic Committee of CAMET
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I. KEYNOTE PRESENTATIONS

TIME	TOPIC	SPEAKERS	AFFILIATION & TITLE
13:30-13:50	AI-Powered, Innovation-Driven: Towards a New Stage of High-Quality Urban Rail Development	Zhang Jun	Chairman, Qingdao Metro Group Co., Ltd.
13:50-14:10	Driving the 8D Magic City's Future: A Focus on Core Business and Breakthrough Innovation	Le Mei	Deputy General Manager, Chongqing City Transportation Development & Investment Group Co., Ltd. Chairman, Chongqing Rail Transit Operation Co., Ltd.
14:10-14:30	Enhancing Quality and Efficiency: Exploring the Sustainable Development of Guangzhou's Urban Rail Transit	Liu Jing	Vice Chairman and General Manager, Deputy Party Secretary, Guangzhou Metro Group Co., Ltd.
14:30-14:50	Advancing the Independently Developed Urban Rail Ticketing System for Enhanced, Integrated, and Smart Mobility Services	Han Zhiwei	Deputy General Manager, Beijing Infrastructure Investment Co., Ltd.
Moderator	Han Baoming, Deputy Director & Secretary-General, Experts and Academic Committee of CAMET		
14:50-15:10	A New Model for Diversified, Integrated, and Sustainable Development New Drivers for High-Quality Development in Urban Rail Transit	Zhang Jun	Chairman of the Board, Wuxi Metro Group Co., Ltd.
15:10-15:30	Delivering More Cost-Effective Rail Transit System Solutions	Ning Wenze	Assistant to the President, CRRC Corporation Limited
15:30-15:50	Transforming Urban Rail: Global Trends, Challenges & Opportunities	JASPAL SINGH	International Association of Public Transport (Union Internationale des Transports Publics,UITP) Senior Director – Membership and Global Operations (MGO)
15:50-16:10	Elevating Urban Rail Intelligence to Drive Sustainable Industry Development	Xu Xujing	COO, Rail Digitization Corps, Huawei Technologies Co., Ltd.

主论坛（第二阶段）

创新破局 迈向城轨发展新阶段

MAIN FORUM (PHASE 2):

INNOVATE TO BREAK THROUGH AND MOVE TOWARDS A NEW STAGE OF URBAN RAIL DEVELOPMENT

论坛议程 / FORUM AGENDA

TIME	TOPIC	SPEAKERS	AFFILIATION & TITLE
Moderator	Jian Lian, Deputy Director, Experts and Academic Committee of CAMET		
16:10-16:30	The Metropolitan Area on Rails: The Practice of the Beijing-Xiong'an Intercity Railway	Zhao Penglin	Deputy Director, Experts and Academic Committee of CAMET Distinguished Expert, Hebei Xiong'an New Area
16:30-16:50	Leveraging Technology Integration to Enhance Network Efficiency	Liu Jiahua	Deputy Director, Experts and Academic Committees of CAMET Shanghai Shentong Metro Group Co., Ltd. Chief Engineer
16:50-17:10	Research on Key Technologies for the Planning and Construction of Medium and Low Capacity Rail Transit	Gao Shengqing	Director, China Center for Urban and Small Town Reform and Development
17:10-17:30	Empowering Integrated Innovation in Rail Transit with Spatial Intelligence Technology	Zheng Hang	Chief Digital Officer, BWTON Technology Co., Ltd.
End of Forum			

主论坛（第二阶段） 创新破局 迈向城轨发展新阶段

MAIN FORUM (PHASE 2):
INNOVATE TO BREAK THROUGH AND MOVE TOWARDS A NEW STAGE OF URBAN RAIL DEVELOPMENT

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



韩宝明 / Han Baoming

中国城市轨道交通协会专家和学术委员会副主任兼秘书长、《都市快轨交通》杂志社荣誉社长

China Association of Metros (CAMET)

Deputy Director and Secretary-General of the Expert and Academic Committee

韩宝明，北京交通大学交通运输学院教授，博士生导师。现任北京交通大学 TOD 研究院执行院长，《都市快轨交通》杂志社社长，中国城市轨道交通协会专家和学术委员会副主任兼秘书长，中国城市轨道交通协会科技进步奖奖励委员会副主任，中国城市轨道交通协会职称评审委员会副主任，内蒙古大学与天津职业技术师范大学兼职教授。长期从事国土空间与交通协同（TOD）、铁路运输组织现代化、高速铁路运输组织、城市轨道交通运营管理等领域的相关工作。主要研究方向为运输组织现代化和城市轨道交通规划与管理等。近年来，先后主持和作为主要完成人参加完成国家自然科学基金、省部级项目 40 余项。在国内外刊物上发表了 200 余篇论文，其中多篇论文被 SCI、EI 检索。出版多部教材和专著。

Han Baoming A Professor and Doctoral Supervisor at the School of Traffic and Transportation, Beijing Jiaotong University. He is the Executive Dean of the TOD Research Institute at Beijing Jiaotong University and serves as President of Urban Mass Transit magazine. Within the China Association of Metros (CAMET), he holds several key leadership positions: Deputy Director and Secretary-General of the Expert and Academic Committee, Deputy Director of the Science and Technology Progress Award Committee, and Deputy Director of the Professional Title Evaluation Committee. He also contributes as an adjunct professor at Inner Mongolia University and Tianjin University of Technology and Education. His career is dedicated to advancing critical fields such as Transit-Oriented Development (TOD), modernizing railway transport organization, managing high-speed rail operations, and optimizing urban rail transit management. His principal research is focused on the modernization of transportation organization alongside urban rail transit planning and management. In recent years, he has successfully led or served as a principal contributor to over 40 national, provincial, and ministerial-level research projects, including initiatives backed by the National Natural Science Foundation of China. An accomplished author, he has published over 200 papers in domestic and international journals, many of which are indexed by SCI and EI. His body of work also includes multiple textbooks and monographs.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



张君 / Zhang Jun

青岛地铁集团有限公司正高级工程师党委书记、董事长

Qingdao Metro Group Co.,Ltd.Professorate Senior EngineerCPC Secretary,Board Chairman

张君，青岛地铁集团党委书记、董事长，正高级工程师，山东省政协委员，青岛市政协委员。管理的项目曾获国优金奖、鲁班奖、詹天佑奖等；主持完成国家示范工程“列车自主运行系统（TACS）项目”；创新以民主管理为核心的班组建设新模式，获全国国企管理创新一等奖、交通运输行业基层党建优秀案例；组织中等规模城轨绿色创建示范工程、“轨道交通+人工智能”1124N行动等重点项目；牵头成立青岛市人工智能场景创新联盟、发布我国首个城市轨道交通行业人工智能大模型；牵头成立青岛市低空经济联盟，编制全国首个“轨道交通+低空经济”融合发展规划；曾获山东省科学技术奖、青岛市五一劳动奖章等荣誉。

Zhang Jun, CPC Secretary and Board Chairman of Qingdao Metro Group, is a Professorate Senior Engineer. He serves as a committee member of the Shandong Provincial Committee of the Chinese People's Political Consultative Conference (CPPCC) and the Qingdao Municipal Committee of the CPPCC. Projects under his management have received national honors including the National Quality Gold Award, Luban Award, and Zhan Tianyou Award. He presided over the completion of the national demonstration project "Train Autonomous Circumambulation System (TACS) Program". He innovated a new team building model centered on democratic management, winning the National State-Owned Enterprise Management Innovation First Prize and an excellent grassroots party building case award in the transportation industry. He has organized key projects such as the medium-scale urban rail green creation demonstration project and the "Rail Transit + Artificial Intelligence" 1124N Initiative. He led the establishment of the Qingdao Artificial Intelligence Scenario Innovation Alliance and released China's first large AI model for the urban rail transit industry. He also led the establishment of the Qingdao Low-Altitude Economy Alliance and compiled the nation's first integrated development plan for "Rail Transit + Low-Altitude Economy". His honors include the Shandong Provincial Science and Technology Award and the Qingdao May 1st Labor Medal.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



乐梅 /Le Mei

重庆城市交通开发投资（集团）有限公司 / 重庆轨道交通运营有限公司

正高级工程师正高级经济师党委委员，副总经理 / 党委书记、董事长

Chongqing Urban Traffic Development Investment (Group) Co., Ltd.

Chongqing Rail Transit Operation Co., Ltd. Senior Engineer Senior Economist

Member of the Party Committee, Deputy General Manager, Secretary of the Party Committee, Chairman

乐梅，重庆交通开投集团副总经理，兼轨道运营公司党委书记、董事长，中国城市轨道交通协会轮值会长。先后荣获“中国地铁 50 年 50 名致敬人物”“全国劳动模范”等荣誉，是“国务院政府特殊津贴专家”“重庆市首席专家工作室领衔专家”“重庆市产业技术带头人”，带领完成跨座式单轨交通核心技术国产化及产业化，攻克城轨交通基于 CBTC 互联互通世界性难题，累计主持参与国家和市级科研项目 24 项、标准 18 项。

Le Mei Deputy General Manager of Chongqing Urban Transportation Development and Investment Group, Party Committee Secretary and Chairman of the Chongqing Rail Transit Operation Company, Rotating Chairman of China Association of Metros. She has been honored with awards such as one of the "50 Metro Industry Pioneers Honored on the 50th Anniversary of China's Metro System" and "National Labor Model." She is also a recipient of the Special Government Allowance from the State Council, a Leading Expert of the Chongqing Chief Expert Studio, and a Technical Leader in Chongqing's Industrial Sector.

She has led the localization and industrialization of core technologies for straddle-type monorail transit and resolved worldwide challenges in CBTC interoperability for urban rail systems. To date, She has presided over 24 national and municipal scientific research projects and 18 standards.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



刘靖 / Liu Jing

广州地铁集团有限公司党委副书记、副董事长、总经理

Vice Chairman and General Manager, Deputy Party General Manager, Deputy Party

刘靖，男，研究生学历，工学硕士，通信与电子系统专业，教授级高级工程师职称。现任广州地铁集团党委副书记、副董事长、总经理。主持集团公司生产经营全面工作，主管战略规划、企业管理、数字化等工作。兼任中国城市轨道交通协会工程建设专业委员会副主任委员、信息化专业委员会副主任委员。历任广州地铁总公司技术处工程师，建设总部机电系统工程部副经理、经理，AFC 研发中心主任，运营总部副总经理，党委副书记、常务副总经理，总公司副总工程师，工程技术研发中心主任，建设总部党委书记、副总经理，广州地铁集团副总经理。荣获广东省五一劳动奖章、广东省重大建设项目档案“金册奖”等荣誉称号；负责建设的十四号线一期工程获国家优质工程金奖和中国土木工程詹天佑奖、九号线工程荣获中国土木工程詹天佑奖。主持编写《城市轨道交通自动售检票系统检测技术规程》《城市轨道交通通信工程质量验收规范》等多项国家标准，出版《城市轨道交通线网运营指挥系统工程》《城市轨道交通工程建设精细化管理丛书》等专业书籍。

Liu Jing is a Professor-level Senior Engineer by profession and holds a Master of Engineering in Communication and Electronic Systems. He currently serves as the Deputy Secretary of the Party Committee, Vice Chairman, and General Manager of Guangzhou Metro Group. He oversees the Group's overall production and operations, with direct responsibility for strategic planning, corporate management, and digitalization. He also serves as the Vice Chairman of both the Engineering and Construction Committee and the Informationization Committee of the China Association of Metros. His previous positions at Guangzhou Metro include Engineer in the Technology Department; Deputy Manager and Manager of the M&E Systems Engineering Department at the Construction Headquarters; Director of the AFC R&D Center; Deputy General Manager of the Operations Headquarters; Deputy Secretary of the Party Committee and Executive Deputy General Manager; Deputy Chief Engineer of the corporation; Director of the Engineering Technology R&D Center; Secretary of the Party Committee and Deputy General Manager of the Construction Headquarters; and Deputy General Manager of Guangzhou Metro Group. He has been awarded the Guangdong Provincial May 1st Labor Medal and the "Golden Archives Award" for major provincial construction projects. The first phase of Line 14, which he oversaw, won the National Quality Engineering Gold Award and the Tien-yow Jeme Civil Engineering Prize, while Line 9 also received the Tien-yow Jeme Civil Engineering Prize. He has led the drafting of several national standards, including the "Technical Specification for Testing Automated Fare Collection Systems in Urban Rail Transit" and the "Code for Quality Acceptance of Communication Engineering in Urban Rail Transit." He has also published professional books such as "Urban Rail Transit Network Operation Command System Engineering" and the "Refined Management of Urban Rail Transit Engineering Construction" series.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



韩志伟 / Han Zhiwei

北京市基础设施投资有限公司正高级工程师副总经理

Beijing Infrastructure Investment Co., Ltd. Professor-level Senior Engineer Deputy General Manager

韩志伟，1987年8月毕业于成都科技大学电力工程系电力系统及其自动化专业，正高级工程师，曾任北京市轨道交通建设管理有限公司设备管理中心主任、副总经理，北京市轨道交通运营管理有限公司总经理、董事长，曾担任“北京燕房线自主化全自动运行系统”、“智慧城轨新一代智能列车运行系统及平台”两个国家和中城协示范工程负责人之一，曾获2003年“地铁牵引供电系统联锁、联跳、重合闸微机综合保护装置”北京市科学技术进步二等奖、2018年“城市轨道交通自主化全自动运行系统关键技术及工程示范”北京市科学技术奖一等奖、2019年“城市轨道交通能馈式牵引供电关键技术及应用”北京市科学技术发明奖二等奖，目前担任北京市基础设施投资有限公司副总经理、北京市轨道交通指挥中心主任。

Han Zhiwei, a Professor-level Senior Engineer, graduated from Chengdu University of Science and Technology in August 1987 with a degree in Power System and Automation. His former roles include Director of the Equipment Management Center and Deputy General Manager at Beijing Municipal Rail Transit Construction Management Co., Ltd., and General Manager and Chairman at Beijing Municipal Rail Transit Operation Management Co., Ltd. He was a leader for two national and CAMET demonstration projects: the “Beijing Yanfang Line Independent Fully Automatic Operation System” and the “New-Generation Smart Urban Rail Train Operation System and Platform”. His awards include a 2003 Beijing Science and Technology Progress Second Prize, a 2018 Beijing Science and Technology First Prize, and a 2019 Beijing Science and Technology Invention Second Prize. He currently serves as the Deputy General Manager of Beijing Infrastructure Investment Co., Ltd., and the Director of the Beijing Rail Transit Command Center.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



张军 /Zhang Jun

无锡地铁集团有限公司正高级经济师党委书记、董事局主席

Wuxi Metro Group Co., Ltd.

Senior Economist Secretary of the Party Committee, Chairman of the Board of Directors

张军，面向中国城市轨道交通发展新阶段，无锡地铁坚定探索中等线网规模城市可持续发展之路，实施了国家发改委指导、中城协立项的城轨交通多元融合可持续发展示范项目。两年多来，作为协会四大发展战略之一，依托协会首个集专题研究、规范体系、工程验证、政策建议于一体的示范项目，无锡地铁聚焦“引流、增收、降本”三大方向，实现了体系理论、规划理念、技术装备、经济模型的融合创新，淬炼了国内首条市域和地铁贯通运营工程、国内首次 H-TOD 新实践、国内首个装配叠合式绿色建造关键技术与装备、“源 - 网 - 荷”智能能源控制关键技术研究与全线应用、“最后一厘米”地铁 + 民生目的地、国内首个地铁绿色债券等显著成果。在精湛建设、精细服务、精益管理、精心经营中彰显了时代担当，在多元融合一体发展中推动资源配置、结构重构上下功夫，因地制宜、大处着眼、小处着手，奋力打造更便捷的城市立体交通运输体系、更暖心的城市综合服务商、更可持续的城市交通运营商，为城市轨道交通行业高质量发展做出积极贡献！

Zhang Jun As China's urban rail transit enters a new stage of development, Wuxi Metro is steadfastly exploring a sustainable path for cities with medium-scale networks. It has implemented a demonstration project for the diversified and integrated sustainable development of urban rail transit, guided by the National Development and Reform Commission and initiated by the China Association of Metros. Over the past two years, as one of the association's four major development strategies, Wuxi Metro has leveraged this pioneering demonstration project - which integrates thematic research, a standards system, engineering verification, and policy recommendations - to focus on three key areas: attracting passenger flow, increasing revenue, and reducing costs. This has led to integrated innovations in systemic theory, planning concepts, technical equipment, and economic models. Notable achievements include China's first through-operation project connecting a municipal and a metro line, the country's first H-TOD practice, the first application of key technologies for prefabricated composite green construction, the research and network-wide application of "source-grid-load" intelligent energy control technology, the "last centimeter" initiative connecting the metro with essential services, and the issuance of the nation's first metro green bond. Demonstrating a commitment to the era through excellence in construction, service, management, and operations, the company focuses on resource allocation and structural reconfiguration within a framework of diversified and integrated development. By adapting to local conditions with a strategy that is both broad in vision and detailed in execution, it strives to build a more convenient urban three-dimensional transportation system, a more considerate comprehensive urban service provider, and a more sustainable urban transport operator, making a significant contribution to the high-quality development of the urban rail transit industry.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



宁文泽 /Ning Wenze

中国中车股份有限公司高级工程师总裁助理

CRRC Corporation Limited President Assistant

宁文泽, 山西运城人, 1974 年 10 月出生, 硕士研究生学历, 高级工程师。1993 年 11 月加入中国共产党。1995 年 7 月参加工作, 现任中国中车股份有限公司总裁助理。1995 年 7 月 -2018 年 8 月, 历任中车永济电机有限公司市场营销部部长、副总经理、董事、总经理、党委副书记。2018 年 8 月 -2020 年 4 月, 历任中车株洲电机有限公司董事、总经理、党委副书记。2020 年 4 月至今任中国中车股份有限公司总裁助理。

Ning Wenze Born in Yuncheng, Shanxi, Master's Degree and a senior engineer. Joined the CPC in November 1993. Started working in July 1995 and currently serves as the Assistant to the President of CRRC Corporation Limited. From July 1995 to August 2018, served as the Head of Marketing Department, Deputy General Manager, Director, General Manager, and Deputy Secretary of CPC of CRRC Yongji Electric Co., Ltd. From August 2018 to April 2020, served as Director, General Manager, and Deputy Secretary of CPC of CRRC Zhuzhou Electric Co., Ltd. Since April 2020, has been serving as the Assistant to the President of CRRC Corporation Limited.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



贾斯帕·辛格 / JASPAL SINGH

国际公共交通联合会全球会员及运营高级总监

UITP (International Association of Public Transport) Senior Director – Membership and Gloations (MGO)

贾斯帕·辛格 (Jaspal Singh) 在公共交通移动出行、创新和科技领域拥有超过 18 年的经验。现任国际公共交通协会 (UITP) 会员与全球运营高级总监，此前曾担任 UITP 北美办事处和印度办事处负责人。早期曾任 IT 与创新委员会经理。他还是“移动出行创新者”播客的主持人。因其曾与公共机构、运营商、初创企业和咨询公司合作，对该行业拥有全方位视角。过去他曾作为优步印度早期团队成员，协助应对监管挑战并建立合作伙伴关系。辛格因在公共交通领域的贡献和社会工作而屡获殊荣，并被多家出版物广泛引用。他毕业于加拿大女王大学管理与创新硕士专业 (MMIE)，并获得国际商务方向的工商管理硕士学位。目前他积极担任公共交通移动出行和物流领域初创企业的顾问、导师和投资者。

JASPAL SINGH As China's urban Jaspal Singh has 18+ years of experience in mobility, innovation, and technology space. Presently serving as the Senior Director of Membership and Global Operations (MGO) at UITP (International Association of Public Transport). Previously, he was working as Head of the UITP North America Office and Head of India Office. His earlier roles include serving as the Manager of the IT and Innovation Committee. He is also the host of Mobility Innovators Podcast. He has a 360-degree view of the sector as he has worked with the public agencies, operator, startups, and consulting firms. In past, he also worked with Uber India's early team to navigate the regulatory challenges and build partnerships. He has received several awards for his contribution in the field of public transport and social work, as well as has been widely quoted in publications. He completed his Master of Management and Innovation (MMIE) at Queen's University, Canada and received his master's in business administration specialized in International Business. He is actively working with startups in mobility and logistics space as an advisor, mentor, and investor.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



徐旭晶 / Xu Xujing

华为技术有限公司轨道智慧化军团

Huawei Technologies Co., Ltd. COO, Rail Business Unit

徐旭晶，现任华为轨道智慧化军团 COO，在客户销售、渠道管理和战略规划拥有超过 20 年的丰富经验。2009 至 2016 年，历任多哥、科特迪瓦、摩洛哥国家总经理以及北部非洲地区部企业业务部部长；2016 至 2022 年，任政府与公共事业系统部销售总裁；2022 至 2023 年，任机场与轨道军团副总裁。2023 年 2024 年，任交通智慧化军团副总裁。曾多次荣获华为公司重量级奖项：总裁个人奖、金牌团队奖、总裁团队奖、总裁嘉奖令和天道酬勤奖等。

Xu Xujing is the COO of Huawei's Rail Business Unit, with over 20 years of extensive experience in customer sales, channel management, and strategic planning. From 2009 to 2016, he served as Country General Manager for Togo, Cote d'Ivoire, and Morocco, and later as the Director of the Enterprise Business Department for the Northern Africa Region. From 2016 to 2022, he was the Sales President of the Government and Public Utilities System Department. From 2022 to 2023, he served as Vice President of the Airport and Rail Business Unit. From 2023 to 2024, he has been the Vice President of the Transportation Smartalization Business Unit. He has received multiple prestigious awards from Huawei, including the President's Individual Award, Gold Medal Team Award, President's Team Award, President's Commendation, and the "No Pains, No Gains" Award.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



赵鹏林 /Zhao Penglin

中国城市轨道交通协会高级工程师专家学术委副主任委员

China Urban Rail Transit Association Senior engineer Deputy Director of the Expert Academic Committee

赵鹏林，河北雄安新区特聘专家、河北雄安轨道快线有限责任公司名誉董事长、中国国土经济学会国土交通（TOD）委员会副会长、中国城市轨道交通协会专家学术委副主任委员、深圳市轨道交通协会名誉会长、中国地铁 50 年 50 人致敬人物、深圳市城市功勋规划大师。曾担任深圳市政府副秘书长，轨道办、西部通道等政府机构和大型项目法人代表，组织建设深圳市交通枢纽、口岸等基础设施。近年主导北京至雄安轨道快线前期谋划、规划、系统及投融资设计。

Zhao Penglin Distinguished Expert of Xiongan New Area, Hebei Province; Honorary Chairman of Hebei Xiongan Rail Express Co., Ltd.; Vice President of the Territorial Transport (TOD) Committee of the China Society of Territorial Economics; Deputy Director of the Expert Academic Committee of the China Urban Rail Transit Association; Honorary President of the Shenzhen Urban Rail Transit Association; Recipient of the "50 Outstanding Individuals in 50 Years of China's Metro" Honor; and Shenzhen Municipal Meritorious Master of Urban Planning. He previously served as Deputy Secretary-General of the Shenzhen Municipal Government, and held the position of legal representative for government institutions and large-scale projects including the Rail Transit Office and the Western Corridor. He took charge of organizing the construction of infrastructure such as transportation hubs and ports in Shenzhen. In recent years, he has spearheaded the preliminary formulation, overall planning, system design and investment-financing scheme design of the Beijing-Xiongan Rail Express.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



刘加华 /Liu Jiahua

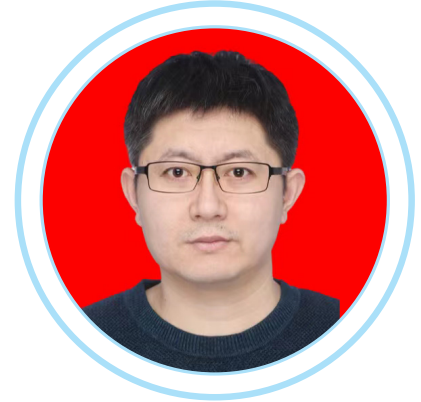
上海申通地铁集团有限公司总工程师

Shanghai Shentong Metro Group Co., Ltd. Professor-level Senior Engineer Chief Engineer

刘加华，长期致力于城市轨道交通领域网络总体、标准化等科研与技术管理工作。曾承担上海轨道交通网络近期建设规划、网络结构功能体系、网络运营管理体系、网络顶层管理架构体系、网络调度指挥中心等前期总体及专项规划研究工作。上海市领军人才，国务院特贴专家。

Liu Jiahua His career has been dedicated to technical management and scientific research within the urban rail transit sector, with a focus on network master planning and standardization. He has previously undertaken master planning and specialized research for Shanghai's rail transit network, including its near-term construction plans, network structure and functional systems, operational management systems, top-level management architecture, and network dispatch command center. He is recognized as a Shanghai Leading Talent and a recipient of the State Council's special allowance.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



高胜庆 /Gao Shengqing

中国城市和小城镇改革发展中心所长

China Center For Urban Development Senior Engineer Director

高胜庆，中国城市和小城镇改革发展中心国土交通规划部交通所所长。在中低运能轨道交通、站城融合、临（低）空经济及城市交通等领域积累丰富研究经验，参与起草站城融合、过江通道等政策文件。负责完成国家发展改革委、国铁集团等委托课题近 10 项，负责完成城市交通、轨道交通和枢纽经济等相关规划 50 余项。发表期刊论文 10 余篇，获中国公路学会科学技术二等奖 1 次、全国优秀工程咨询成果二等奖 2 次，北京市优秀规划设计奖 3 次。

Gao Shengqing is the Director of the Comprehensive Transportation Institute at the Transportation Planning Department of China Center For Urban Development. He has accumulated extensive research experience in areas such as medium-low capacity rail transit, station-city integration, low-altitude (tertiary) economy, and urban parking. He participated in drafting policy documents on station-city integration and cross-river passages. He has completed nearly 10 commissioned projects for the National Development and Reform Commission and China State Railway Group, and has overseen the completion of over 50 related urban transportation, rail transit, and hub economy planning projects. He has published more than 10 journal papers and received the Second Prize of Science and Technology Award from the China Highway Society once, the Second Prize of National Outstanding Engineering Consulting Achievements twice, and the Beijing Outstanding Planning and Design Award three times.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



郑航 /Zheng Hang

八维通科技有限公司首席数字官

BWTON Technology Co., Ltd. Chief Digital Officer

郑航，八维通科技有限公司首席数字官博士，高级工程师，中国消防救援学院特约教授，江西省智能交通技术委员会委员、工业互联网产业联盟建筑行业组副主席、“无障碍出行”公益协会理事、安徽省工程勘察设计协会数字技术专业委员会观察员拥有个人专利及软著 17 余项，参与行业标准制定 4 项；曾荣获深圳市中小企业创新创业大赛暨“专精特新”企业创新创业大赛一等奖；中国青年数字经济创业大赛银奖、全球人工智能邀请赛二等奖、第九届中国财经峰会青年榜样等奖项。

Zhenghang, Chief Digital Officer, BWTON Technology Co., Ltd. Ph.D., Senior Engineer, Adjunct Professor at the China Fire and Rescue Institute, member of the Jiangxi Intelligent Transportation Technical Committee, Vice Chairman of the Construction Industry Group of the Industrial Internet Industry Alliance, Director of the “Barrier-Free Travel” Public Welfare Association, and Observer for the Digital Technology Professional Committee of the Anhui Engineering Survey and Design Association. He holds over 17 personal patents and software copyrights and has participated in the development of four industry standards. His awards include First Prize in the Shenzhen SME Innovation and Entrepreneurship Competition for “Specialized, Refined, Unique, and New” Enterprises, a Silver Award at the China Youth Digital Economy Entrepreneurship Competition, Second Prize at the Global AI Invitational Competition, and the Youth Role Model award at the 9th China Finance Summit.

2025 CAMET 论坛 FORUM

国际学术论坛：

合作共赢 构建全球城轨新范式

International Academic Forum:

Cooperate to win-win and build a new global urban rail paradigm

论坛架构 / FORUM STRUCTURE

论坛时间: 2025年9月19日 08:30-12:10

论坛地点: 中铁青岛世界博览城 会场会议中心 3层大宴会厅 (1)

主办单位: 中国城市轨道交通协会

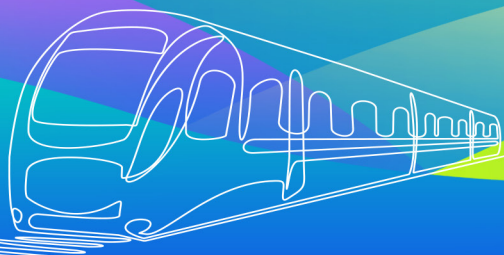
承办单位: 中国城市轨道交通协会专家和学术委员会
中国城市轨道交通协会技术装备专业委员会
中国城市轨道交通协会会员服务部
中国城市轨道交通协会传媒会展中心

Forum Time: September 19, 2025, 08:30-12:10

Venue: Grand Ballroom 1, 3rd Floor, Conference Center

Hosted by: China Association of Metros (CAMET)

Organized by: Experts and Academic Committees of CAMET
China Association of Metros Technical Equipment Committee
China Association of Metros Membership Service Department
China Association of Metros Media Exhibition Center



论坛议程 / FORUM AGENDA

主持人	秦国栋 中国城市轨道交通协会副秘书长
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一、主旨演讲

时间	发言主题	发言嘉宾	单位及职务
08:30-09:00	人工智能与桥梁美观	邓文中	美国国家工程院院士 中国工程院外籍院士
09:00-09:30	新型信息网络赋能轨道交通数智化发展	张宏科	北京交通大学教授，移动专用网络国家工程研究中心主任

二、主题演讲

主持人	张纯 北京交通大学建筑与艺术学院城乡规划系教授、副系主任（双语）		
09:30-09:50	中国自主单轨技术之海外新实践	李亮亮	比亚迪机电设备有限公司副总经理
09:50-10:10	采用 CBTC 系统改造地铁信号系统、效果及展望	克劳德·安德劳尔	巴黎公共交通自治局（RATP） 铁路系统工程部门原主管 国际公共交通协会（UITP） 荣誉大使
10:10-10:30	智慧出行 5.0：协同共创亚太城市轨道交通的未来	董宝才	国际公共交通协会（UITP） 亚太地区总监
10:30-10:50	德铁列车全生命周期优化及延寿技术	汉斯-维尔纳·伯格 陈力欣	德铁系统技术有限公司 电动车组技术中心主管 亚洲区首席技术代表
10:50-11:10	马来西亚城市轨道交通发展	陈增翰	马来西亚拉曼大学 助理教授
11:10-11:30	台南市轨道交通单轨系统规划	林忠正	台湾林同棧工程顾问公司副总工程师
11:30-11:50	跃升城轨智能化，助力城轨构建全球新范式	李明群	华为技术有限公司 轨道智慧化军团总工程师

论坛结束

论坛议程 / FORUM AGENDA

Moderator	Qin Guodong, Deputy Secretary-General, China Association of Metros
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I. KEYNOTE SPEECHES

DATE	TOPICS	SPEAKERS	AFFILIATION & TITLE
08:30-09:00	Artificial Intelligence and Bridge Aesthetics	Deng Wenzhong	Member of the National Academy of Engineering (NAE) Foreign Member of the Chinese Academy of Engineering (CAE)
09:00-09:30	New Information Networks Empowering Digital-Intelligent Development of Rail Transit	Zhang Hongke	Professor, Beijing Jiaotong University Director, National Engineering Research Center for Mobile Private Networks

II. KEYNOTE PRESENTATIONS

Moderator	Zhang Chun, Professor and vice chair in Department of Urban Planning, School of Architecture and Design, Beijing Jiaotong University		
09:30-09:50	Overseas Application of China's Independent Monorail Technology	Li Liang Liang	Deputy General Manager, BYD Electromechanical Equipment Co., Ltd.
09:50-10:10	Metro signaling renovation using CBTC systems, outcomes and further expectations	Claude Andlauer	Former Head of Railway Systems Engineering Division, Régie Autonome des Transports Parisiens (RATP) Honorary Ambassador, International Association of Public Transport (UITP)
10:10-10:30	Mobility 5.0: Co creating the future of Asia Pacific Urban Rail	Shaun Tan	Head of UITP Asia-Pacific, International Association of Public Transport (UITP)
10:30-10:50	Rolling Stock Whole Life Cycle Optimisation and Lifetime Extension Technology from DB	Hans-Werner Berg Lixin CHEN	Director of EMU Technology Center, DB Systemtechnik GmbH Chief Technical Representative for Asia, DB Systemtechnik GmbH
10:50-11:10	Railway Development in Malaysia	TING CHEN HUNT	Assistant Professor, Universiti Tunku Abdul Rahman (UTAR), Malaysia
11:10-11:30	Planning of the Tainan City Monorail System	Lin Zhongzheng	Deputy Chief Engineer, T.Y. Lin International Taiwa
11:30-11:50	Elevating Urban Rail to Smartization — Pioneering a New Global Paradigm	Li Mingqun	Chief Engineer of the Railway Intelligentization Corps, Huawei Technologies Co., Ltd.

End of Forum

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



邓文中 /Deng wenzhong

美国国家工程院院士、中国工程院外籍院士

Member of the National Academy of Engineering (NAE)

Foreign Member of the Chinese Academy of Engineering (CAE)

邓文中，德国达姆城大学工学博士。中国工程院外籍院士，美国国家工程院院士，林同棧国际（中国）荣誉董事长。德国卡索大学名誉博士，意大利威尼斯大学名誉建筑师。清华、同济，东南，浙江等十余所大学名誉教授。在世界建桥百余座。

Deng Wenzhong holds a Doctor of Engineering from the Technische Universität Darmstadt, Germany. He is a Foreign Member of the Chinese Academy of Engineering (CAE) and a Member of the U.S. National Academy of Engineering (NAE). As Honorary Chairman of T.Y. Lin International (China), he has also been awarded an Honorary Doctorate by the University of Kassel, Germany, and named Honorary Architect by the University of Venice, Italy. Additionally, he serves as an Honorary Professor at more than ten universities, including Tsinghua University, Tongji University, Southeast University, and Zhejiang University. Throughout his career, he has designed over 100 bridges worldwide.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



张宏科 /Zhang Hongke

北京交通大学教授，移动专用网络国家工程研究中心主任

Professor, Beijing Jiaotong University Director

National Engineering Research Center for Mobile Private Networks

张宏科，中国工程院院士，现任北京交通大学电子信息工程学院教授、博导、移动专用网络国家工程研究中心主任，IEEE Fellow，曾任两期国家 973 计划首席科学家；长期从事网络与通信理论与工程技术研究，为解决国家和行业专网工程急需做出重要贡献；获国家技术发明奖和全国创新争先奖，享受国务院政府特殊津贴，是首批全国高校黄大年式教师团队带头人。

Zhang Hongke is a Member of the Chinese Academy of Engineering (CAE). He currently serves as Professor and Doctoral Supervisor at the School of Electronics and Information Engineering, Beijing Jiaotong University, and Director of the National Engineering Research Center for Mobile Private Networks. An IEEE Fellow, he twice served as Chief Scientist of the National 973 Program.

With long-term dedication to theoretical and engineering research in networking and communications, he has made significant contributions to addressing critical needs in national and industrial dedicated network infrastructure projects. He is a recipient of the National Technology Invention Award and the National Pioneer Award for Innovation, and enjoys the Special Government Allowance from the State Council. Additionally, he leads one of the first Huang Danian-style Teacher Teams established in Chinese higher education institutions.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



秦国栋 /Qin Guodong

中国城市轨道交通协会副秘书长

China Association of Metros Deputy Secretary-General

秦国栋，教授级高级工程师，现任中国城市轨道交通协会副秘书长，历任建设部城市建设研究院（现中国城市建设研究院有限公司）交通所副所长；建设部地铁与轻轨研究中心副主任，中国城市规划设计研究院交通院副院长，建设部地铁与轻轨研究中心副主任，全国城市轨道交通标准化技术委员会秘书长、住房和城乡建设部城市轨道交通标准化技术委员会秘书长。中国城市建设研究院有限公司交通院院长兼任规划院院长。

Qin Guodong, Professor-level Senior Engineer, currently serves as Deputy Secretary-General of the China Association of Metros. He previously held the following positions:

Deputy Director of the Transportation Research Institute at the Urban Construction Research Institute of the Ministry of Construction (now China Urban Construction Research Institute Co., Ltd.);

Deputy Director of the Metro and Light Rail Research Center of the Ministry of Construction;

Vice President of the Transportation Academy of the China Academy of Urban Planning and Design;

Deputy Director of the Metro and Light Rail Research Center of the Ministry of Construction;

Secretary-General of the National Technical Committee for Standardization of Urban Rail Transit;

Secretary-General of the Technical Committee for Standardization of Urban Rail Transit of the Ministry of Housing and Urban-Rural Development;

President of the Transportation Academy of China Urban Construction Research Institute Co., Ltd., concurrently serving as President of the Planning Academy.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



张纯 /Zhang Chun

北京交通大学建筑与艺术学院城乡规划系教授、副系主任

*Professor and vice chair in Department of Urban Planning,
School of Architecture and Design, Beijing Jiaotong University*

张纯，北京交通大学建筑与艺术学院城乡规划系教授、副系主任，中国城市规划学会理事，Urban Rail Transit 执行主编。研究兴趣集中在国土空间与交通协同发展、城市形态与可达性；负责建设面向发展中国家的城乡规划全英文硕士项目。目前学术成果包括著作《轨道交通与城市协同发展规划——理论、方法与评论》等，发表论文 80 余篇，入选中国知网 2024 年城乡规划学科 1% 高被引学者。本科毕业于北京大学城市规划与经济学双学位，硕博毕业于北京大学人文地理专业。曾经担任世界银行 TOD 特聘专家，曾经入选 2022 年城市规划学会青年人才。

Zhang Chun is Professor and vice chair in Department of Urban Planning, School of Architecture and Design, Beijing Jiaotong University. She is also the executive editor of Urban Rail Transit, Board Member of the Association of China Urban Planning. Research interests focus on synergy development between rail transportation and urban space, job-housing balance and job accessibility. She is also the coordinator of MOFCom Program of Urban Planning Master Degree for developing countries. She teaches classes including Introduction to Urban Planning, GIS and Big Data Application. She has been PI of NSF China for general and young programs, and also research program from the World Bank. Chun received her doctoral degree in human geography from Peking University, and participated a collaborative training Phd program in University of North Carolina at Chapel Hill. She had been a post-doctoral research fellow in PKU-Lincoln Institute Center for Urban Development and Land Policy. She has been awarded for Jeme Tien Yow Rail Technology Award, IACP Distinguish Award and Committee of 100 (C-100) Young Leadership Scholarship. She used to be the TOD special expert in the World Bank.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



李亮亮 /Li Liang Liang

比亚迪机电设备有限公司高级工程师、副总经理

BYD Electromechanical Equipment Co., Ltd. Senior Engineer Deputy General Manager

李亮亮，2005 年加入比亚迪，成为首批新能源汽车设计团队的核心成员。2016 年加入比亚迪轨道，主持全球轨道车辆及机电设备系统的开发设计工作，负责跨座式单轨“云轨”和导轨式胶轮系统“云巴”的车辆系统设计开发。主导银川云轨、巴西圣保罗 17 号线云轨及璧山、深圳、长沙、西安、济南等地云巴项目的开发设计工作。“导轨式胶轮系统（云巴）制式创新及关键技术研发与应用”项目荣获中国城市轨道交通协会科技进步奖一等奖。

Li Liangliang joined BYD in 2005 as a core member of the first new energy vehicle design team. In 2016, he joined BYD Rail Transit and took charge of the global development and design of rail vehicles and electromechanical equipment systems. He was responsible for the design and development of the vehicle systems for the straddle-type monorail "SkyRail" and the guided rubber-tyred system "SkyShuttle." He led the development and design of multiple medium- and low-capacity rail transit projects, including the Yinchuan SkyRail, São Paulo Line 17 SkyRail in Brazil, and SkyShuttle projects in Bishan, Shenzhen, Changsha, Xi'an, Jinan. The project "Innovation and Key Technology Development and Application of the Guided Rubber-tyred System (SkyShuttle)" was awarded the First Prize for Scientific and Technological Progress by the China Association of Metros.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



克劳德·安德劳尔 / Claude ANDLAUER

巴黎公共交通自治局 (RATP) 铁路系统工程部门原主管

国际公共交通协会 (UITP) 荣誉大使

Former Head of Railway Systems Engineering Division, Régie Autonome des Transports

Parisiens(RATP) Honorary Ambassador, International Association of Public Transport(UITP)

克劳德·安德劳尔 (Claude Andlauer) 先生早年致力于海洋气象系统的开发与部署，之后将其职业生涯完全投入于轨道交通系统工程领域，参与了全球范围内众多的开发与改造项目。他在系统开发和项目管理方面积累了丰富的经验，其视角涵盖了制造商、运营商以及交通管理当局等多个方面。

克劳德专精于信号与列车控制系统，特别是以 GOA2 和 GOA4 模式运行的 CBTC（基于通信的列车控制）系统。在其职业生涯的大部分时间里，他负责领导巴黎公共交通自治局 (RATP) 的轨道交通系统工程部门，该部门负责巴黎城市轨道交通网络（包括区域快铁 RER、地铁和有轨电车）的重大现代化改造项目，工作范围从系统设计一直到系统退役。在他负责的 RATP 重大项目中，他监督了巴黎交通网络所有线路的现代化改造（包括自动化）、延伸和列车控制系统的更新，并负责既有信号系统的维护运营。与此同时，克劳德先生还曾担任国际公共交通联合会 (UITP) “电气设备与安全系统”小组委员会的主席，并至今仍是该组织的“名誉大使”。

Claude ANDLAUER After several years dedicated to the development and deployment of ocean-meteorological systems, Claude Andlauer devoted his career to railway systems engineering, participating in numerous development and renovation projects worldwide. Gaining experience in systems development and project management from both manufacturers, operators, and transport authorities perspective. Specializing in signaling and train control systems, particularly CBTC systems operating in GOA2 and GOA4 modes, Claude spent most of his career heading the Railway Systems Engineering division at RATP, which was in charge of major modernization projects for the Paris urban rail network (RER, metro, and tramway), starting from systems design up to their decommissioning. Among RATP's major projects, he oversaw the modernization (incl. automation), extension, and renewal of train control systems for all lines of the Paris network, as well as the network legacy signalling maintenance operations. At the same time, Claude chaired the UITP's "Electrical Equipment and Safety Systems" subcommittee, of which he remains "honorary ambassador." Since retiring from RATP in 2023, he has established an independent consultancy activity, acting for various transport authorities, agencies and operating companies both in France and abroad.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



董宝才 /Shaun Tan

国际公共交通联合会亚太地区总监

UITP (International Association of Public Transport) Head of UITP Asia-Pacific

董宝才，在公共交通和城市流动性领域中拥有超过 20 年的丰富经验，曾在新加坡（康福德高和新捷运）和法国（RATP Dev 和法国交通发展集团）的公共交通公司担任重要职务。他在不同的城市（新加坡、中国 - 上海、南京、沈阳，以及安徽省的几个二线城市）专注于多种出行模式（铁路、公交与出租车）的管理运营。董先生的强项是与利益相关者的合作，他为亚太地区制定了几个成功的合作伙伴关系。他丰富的经验和热情的性格将鼓励和支持 UITP 亚太区团队满足 UITP 会员的需求，我们将继续推动工作并在协会内外代表会员的利益。

Shaun Tan brings an exceptional range of experience of more than 20 years in the public transport and urban mobility related fields, having held key appointments in both Singapore (ComfortDelGro and SBS Transit) and French (RATP Dev and Transdev) Public Transport Companies. He has managed operations, specialising in various modes of mobility (rail, bus and taxis) and in different cities (Singapore, China- Shanghai, Nanjing, Shenyang, and several secondary cities in Anhui Province). Mr Tan's forte is in stakeholders' collaboration and has formulated several successful partnerships for the Asia Pacific region. His extensive experience and warm personality will encourage and support UITP Asia-Pacific team to meet the needs of UITP members as we continue our work and represent member interests within and outside the association.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



汉斯 - 维尔纳·伯格 / Hans-Werner Berg

德铁系统技术有限公司电动车组技术中心主管

Director of EMU Technology Center, DB Systemtechnik GmbH

汉斯 - 维尔纳·伯格 (Hans-Werner Berg) 先生是德国轨道交通领域的资深专家，其专业领域涵盖列车设计支持、损伤分析、车辆状态评估及技术改造，并长期担任列车维修，检测，与工程部门的管理工作，在德国铁路系统全生命周期管理方面具有丰富实践经验。

Hans-Werner Berg is a veteran expert in Germany's rail transit sector with extensive practical experience in the full life-cycle management of railway systems. His expertise spans train design support, damage analysis, vehicle condition assessment, and technical modification, complemented by a long track record in managing maintenance, inspection, and engineering departments.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



陈力欣 /Lixin CHEN

德铁系统技术有限公司亚洲区首席技术代表

DB Systemtechnik GmbH Chief Technical Representative for Asia, DB Systemtechnik GmbH

陈力欣，德铁系统技术有限公司（DB Systemtechnik GmbH）亚洲区首席技术代表。德国亚琛工业大学（RWTH Aachen）轨道交通车辆专业研究生毕业，曾任德国亚琛工大轨道交通车辆研究院（IFS）助理研究员，从事动力学及轮轨关系等研究。后加入德铁集团，负责公司在亚洲区域的业务拓展及技术开发，主要业务领域包括车辆维保体系搭建及优化、车辆延寿评估、TSI 认证测试、智能运维等领域。

Chen Lixin is the Chief Technical Representative for Asia at DB Systemtechnik GmbH. A graduate of RWTH Aachen University with a master's degree in rail transit vehicles, he previously served as an assistant researcher at the Institute of Rail Vehicles (IFS) at RWTH Aachen, focusing on dynamics and wheel-rail relationships. He later joined the DB Group, where he is responsible for business and technology development in Asia. His primary areas of focus include the establishment and optimization of vehicle maintenance systems, vehicle life extension assessment, TSI certification testing, and intelligent O&M.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



陈增翰 /TING CHEN HUNT

马来西亚拉曼大学助理教授

Assistant Professor, Universiti Tunku Abdul Rahman (UTAR), Malaysia

陈增翰, 博士工程师, 现任马来西亚拉曼大学助理教授, 专注于先进材料与陶瓷领域研究。他拥有超过二十年的学术与工业经验, 主导过多项氧化锆陶瓷、羟基磷灰石生物陶瓷、纳米复合材料及 3D 打印领域的资助项目。作为英国特许工程师 (CEng) 及马来西亚注册专业工程师 (Ir), 其著述丰厚, 并积极推动产学研合作, 以促进材料创新与可持续工程解决方案的发展。近期, 他将研究贡献扩展至国家铁路发展领域, 担任 2025 中马轨道交通论坛联合组委会成员, 该论坛已吸引来自中国和马来西亚众多重要利益相关方的参与

Ir. Dr. Ting Chen Hunt is an Assistant Professor at Universiti Tunku Abdul Rahman (UTAR), Malaysia, specializing in advanced materials and ceramics. With over two decades of academic and industrial experience, he has led numerous funded projects in zirconia ceramics, hydroxyapatite bioceramics, nanocomposites, and 3D printing. A Chartered Engineer (CEng) and Professional Engineer (Ir.), Dr. Ting has published extensively and actively collaborates with industry to advance materials innovation and sustainable engineering solutions. Recently he is expanding his contribution to the development of national railway for instant he is one of the co-organizing committee members of the China-Malaysia Rail Transit Forum 2025 that has attracted many important stake-holders from both China and Malaysia.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



林忠正 / Lin Zhongzheng

台湾林同棧工程顾问公司副总工程师

Deputy Chief Engineer, T.Y. Lin International Taiwan

林忠正，教授级高级工程师，林同棧国际工程咨询（中国）公司前公共交通总工程师，林同棧工程顾问公司（台湾）副总工程师，重庆交通大学特聘兼任教授，超过 30 年以上轨道交通及公共交通可行性研究、规划设计、监理、项目管理、施工及运营管理全过程经验，主持相关重大项目超过 30 余项。

在台湾对于轨道交通、公共交通及城市规划进行顾问咨询，同时参与台南市单轨系统先期线网规划设计顾问咨询，并曾对大陆轨道交通、公共交通及城市规划工作，进行技术指导，并在重庆交通大学讲授「轨道交通前沿」课程。同时出版「轨道交通前沿」专业书籍，发表多篇专业论文。投身轨道交通、公共交通及城市规划专业领域超过 30 年，在各专业领域做出突出贡献。

轨道交通、公共交通及城市规划领军人。公共交通 TOD 模式助推大型综合换乘枢纽先驱及倡导者。

Lin Zhongzheng is a Professor-level Senior Engineer and a Distinguished Adjunct Professor at Chongqing Jiaotong University. He previously served as the Chief Public Transportation Engineer at T.Y. Lin International Engineering Consulting (China) Co., Ltd., and is the Deputy Chief Engineer at T.Y. Lin International Taiwan. With over 30 years of experience, he has managed the full life cycle of more than 30 major projects in rail and public transit, covering feasibility studies, planning, design, supervision, project management, construction, and operations.

In Taiwan, his consulting work spans rail transit, public transportation, and urban planning; he was notably involved in the preliminary network planning and design for the Tainan City Monorail System. He has also provided technical guidance for rail, public transit, and urban planning projects in mainland China and teaches the Frontiers of Rail Transit course at Chongqing Jiaotong University. Additionally, he has published a professional book of the same title and authored numerous professional papers.

With a career dedicated to the fields of rail transit, public transportation, and urban planning for over 30 years, he has made outstanding contributions across each discipline.

He is a leading figure in rail transit, public transportation, and urban planning.

He is a pioneer and advocate for leveraging the Transit-Oriented Development (TOD) model to advance the development of large-scale, integrated transit hubs.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



李明群 /Li Mingqun

华为技术有限公司轨道智慧化军团总工程师

Chief Engineer of the Railway Intelligentization Corps, Huawei Technologies Co., Ltd.

李明群，现任华为轨道智慧化军团总工程师，在轨道接近方案设计与开发、行业接近方案与客户销售、战略规划拥有超过 20 年的丰富经验。

2009 至 2016 年，历任多哥、科特迪瓦、摩洛哥国家总经理以及北部非洲地区部企业业务部部长；

2019.7 至 2022.01，任华为交通业务部轨道行业 解决方案总监

2022.01 至 2025.06，任华为南部非洲交通业务部 部长。

2025.07 月至今，任华为交通智慧化军团 总工程师。

曾多次荣获华为公司重量级奖项：总裁个人奖、金牌团队奖、总裁团队奖、总裁嘉奖令和天道酬勤奖等。

Mr. Li Mingqun currently serves as the Chief Engineer of the Huawei Rail Business Unit, bringing over 20 years of extensive experience in strategic planning, customer sales, and the design and development of industry-specific solutions.

2009–2016: Served successively as Country General Manager for Togo, Cote d'Ivoire, and Morocco, and later as Director of the Enterprise Business Department for the Northern Africa Region.

July 2019–January 2022: Director of Rail Business at Huawei Smart Transportation BU.

January 2022–June 2025: Managing Director of Huawei Sub-Saharan Africa Transportation Business.

July 2025–Present: Chief Engineer, Huawei Rail Business Unit.

He has received multiple prestigious awards from Huawei, including the President's Individual Award, Gold Medal Team Award, President's Team Award, President's Commendation, and the "Hard Work Pays Off" Award.

2025 CAMET 论坛 FORUM

分论坛一：

大师论坛

Master Forum

论坛架构 / FORUM STRUCTURE

论坛时间: 2025年9月19日 08:30-12:00

论坛地点: 中铁青岛世界博览城 会议中心 2层 207会议室

主办单位: 中国城市轨道交通协会

承办单位: 中国城市轨道交通协会专家和学术委员会
中国城市轨道交通协会传媒会展中心

Forum Time: September 19, 2025, 08:30-12:00

Venue: Conference Room 207, 2nd Floor, Convention Center

Hosted by: China Association of Metros (CAMET)

Organized by: Experts and Academic Committees of CAMET and Beijing Sino
China Association of Metros Media Exhibition Center



论坛议程 / FORUM AGENDA

时 间	发言主题	发言嘉宾	单位及职务
主持人	中国城市轨道交通协会相关领导		
08:30-08:50	低成本建造轨道交通的思考	张海波	中国城市轨道交通协会专家和学术委员会副主任 全国工程勘察设计大师
08:50-09:10	单轨桥梁轻量化技术与发展	徐升桥	全国工程勘察设计大师
09:10-09:30	城市轨道交通技术创新实践与思考	杨秀仁	全国工程勘察设计大师
主持人	黄桂兴 中国铁路设计集团原副总工程师、天津市设计大师		
09:30-09:50	新时代城市轨道交通高质量发展探讨	史海欧	全国工程勘察设计大师
09:50-10:10	城轨，从“技术系统”到“开放的技术社会复杂巨系统”一可研报告视角	于松伟	中国城市轨道交通协会专家和学术委员会副主任 全国工程勘察设计大师
10:10-10:30	面对轨道交通制造业智能化转型工匠未来发展之路	孙景南	国家级技能大师
10:30-10:50	从跨座式单轨道岔国产化到智慧运维升级的降本增效之路	张 杰	国家级技能大师
10:50-11:10	新形势下规划设计助力城轨交通可持续发展探索与思考	农兴中	广东省设计大师
11:10-11:30	软土地层轨道交通结构暗挖建造技术体系及发展方向	陈文艳	上海市设计大师
11:30-11:50	面向“存量轨道”的技术发展实践与展望	李爱东	深圳市设计大师

会议结束

论坛议程 / FORUM AGENDA

DATE	TOPICS	SPEAKERS	AFFILIATION AND TITLE
Moderator	Leaderships of China Association of Metros (CAMET)		
08:30-08:50	Reflections on Low-Cost Urban Rail Transit Construction	Zhang Haibo	Deputy Director, Experts and Academic Committees of CAMET National Engineering Survey and Design Master
08:50-09:10	Lightweight Technology and Development for Monorail Bridges	Xu Shengqiao	National Engineering Survey and Design Master
09:10-09:30	Technological Innovation in Urban Rail Transit: Practices and Reflections	Yang Xiuren	National Engineering Survey and Design Master
Moderator	Huang Guixing, Former Deputy Chief Engineer of China Railway Design Corporation and Tianjin Municipal Design Master		
09:30-09:50	Driving High-Quality Development for Urban Rail Transit in the New Era	Shi Hai'ou	National Engineering Survey and Design Master
09:50-10:10	Urban Rail: From a "Technical System" to an "Open, Complex Socio-Technical System" - A Feasibility Study Perspective	Yu Songwei	Deputy Director, Experts and Academic Committees of CAMET National Engineering Survey and Design Master
10:10-10:30	Facing the Intelligent Transformation of the Rail Transit Manufacturing Industry: The Future Development Path for Craftsmen	Sun Jingnan	National Skill Master
10:30-10:50	The Path to Cost Reduction and Efficiency Gains: From Domesticating Straddle-Type Monorail Switches to Upgrading Smart O&M	Zhang Jie	National Skill Master
10:50-11:10	Planning and Design for Sustainable Urban Rail Development in the New Landscape	Nong Xingzhong	Guangdong Provincial Design Master
11:10-11:30	The Technical System and Future Direction of Mined Tunneling Construction for Rail Transit Structures in Soft Soil	Chen Wenyan	Shanghai Municipal Design Master
11:30-11:50	Technological Practices and Outlook for "Existing Rail Infrastructure"	Li Aidong	Shenzhen Municipal Design Master
End of Session			

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



张海波 / Zhang Haibo

中铁二院工程集团有限责任公司副总工程师、全国工程勘察设计大师
China Railway Eryuan Engineering Group Co., Ltd.
Deputy Chief Engineer National Engineering Survey and Design Master

张海波，全国工程勘察设计大师、全国劳模、主持首条跨座式单轨、首条时速 140 公里市域快线等里程碑项目设计，在地铁国铁零换乘，砂卵石、膨胀土、瓦斯地层盾构法等关键技术方面经营丰富，在铁路隧道大型岩溶及涌突水、高地应力大变形、高地温、高瓦斯及有害气体、放射性等特殊不良地质处理，以及抢险救援方面技术全面。

Zhang Haibo, a National Engineering Survey and Design Master and National Model Worker, has led the design of landmark projects including China's first straddle-type monorail and its first 140 km/h regional express line. His extensive experience covers key technologies such as zero-transfer interchange between metro and national railway systems, and shield tunneling in challenging geologies like sand-cobble, expansive soil, and gassy strata. He possesses comprehensive expertise in managing special adverse geological conditions in railway tunnels - including large-scale karst, water/mud inrushes, high ground stress, high geothermal gradients, high gas content, hazardous gases, and radioactivity- as well as in emergency rescue operations.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



徐升桥 / Xu Shengqiao

中铁工程设计咨询集团有限公司副总工程师、全国工程勘察设计大师
China Railway Engineering Consulting Group Co., Ltd.
Deputy Chief Engineer National Engineering Survey and Design Master

徐升桥，全国工程勘察设计大师，全国劳动模范。长期从事铁路桥梁标准化和桥梁转体施工技术研究工作，主编了国家铁路桥涵混凝土、钢管混凝土、结合梁等结构设计规范，主持设计了 2008 年北京奥运会重点工程北京市五环路和六环路斜拉桥，2022 年北京冬奥会重点工程京张高铁官厅水库特大桥和怀来县官厅水库特大桥，分别获国家科技进步二等奖 1 项，中国专利银奖 1 项，省部级科学技术奖 5 项，全国优秀工程设计金奖 2 项、银奖 1 项，詹天佑土木工程奖 5 项。

Xu Shengqiao National Engineering Survey and Design Master, National Model Worker. He has long been engaged in the research of railway bridge standardization and swivel construction technology. He served as the chief editor for national design codes for railway bridges and culverts, covering concrete, concrete-filled steel tubular, and composite beam structures. He has led the design of major projects, including the cable-stayed bridges for Beijing's 5th and 6th Ring Roads for the 2008 Beijing Olympics, and the Guan'ting Reservoir Bridge of the Beijing-Zhangjiou High-Speed Railway for the 2022 Beijing Winter Olympics. His work has earned him one Second Prize of the National Science and Technology Progress Award, one China Patent Silver Award, five provincial-level science and technology awards, two National Excellent Engineering Design Gold Awards, one Silver Award, and five Tien-yow Jeme Civil Engineering Prizes.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



杨秀仁 / Yang Xiuren

北京城建设计发展集团股份有限公司国家工程研究中心主任、全国工程勘察设计大师

*Beijing Urban Construction Design & Development Group Co.,
Limited Director, National Engineering Research Center National Engineering Survey and Design Master*

杨秀仁，博士，教授级高工，全国工程勘察设计大师，国务院特殊津贴专家，北京学者，中国地铁五十年致敬人物。曾任北京城建设计发展集团总工程师，现任城市轨道交通绿色与安全建造技术国家工程研究中心主任。

长期从事城市轨道交通工程设计研究工作，是我国地铁预制装配建造技术的开拓者，创建了一整套具有自主知识产权的工业化建造模式和技术体系，形成多项国际首创成果，包括装配式车站、装配式轨道及装配式站务用房等建造技术。

Dr. Yang Xiuren is a Professor-level Senior Engineer, a National Engineering Survey and Design Master, a recipient of the State Council Special Allowance, a Beijing Scholar, and an honored figure in the "50 Years of China's Metro" tribute. He previously served as the Chief Engineer of Beijing Urban Construction Design & Development Group and is now the Director of the National Engineering Research Center for Green and Safe Construction Technology of Urban Rail Transit.

A pioneer in prefabricated construction for China's metro systems, he has long been engaged in urban rail transit engineering design and research. He established a complete industrialized construction model and technical system with independent intellectual property rights, achieving several international firsts, including technologies for prefabricated stations, tracks, and station service buildings.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



史海欧 / Shi Hai'ou

广州地铁设计研究院股份有限公司首席科学家、全国工程勘察设计大师

*Guangzhou Metro Design & Research Institute Co., Ltd.
Chief Scientist National Engineering Survey and Design Master*

史海欧，原广州地铁院副院长兼总工程师及广州地铁集团副总工，主持完成全国 20 多条城市轨道交通工程的设计、参加全国 40 多座城市轨道交通的设计咨询审查等；主参编 10 多项国家行业标准，出版专著 9 部，发表论文 30 余篇，获“全国工程勘察设计大师”称号。目前担任住建部城市轨道交通建设专委会委员、中国城市轨道交通协会学术委员会委员、中国土木工程学会理事、广东省土木建筑学会和岩土力学与工程学会副理事长等社会职务。

Shi Hai'ou Formerly the Vice President & Chief Engineer of Guangzhou Metro Design & Research Institute and Deputy Chief Engineer of Guangzhou Metro Group, he has led the design of over 20 urban rail transit projects and participated in the design consultation for over 40 cities nationwide. He has co-authored more than 10 national industry standards, published 9 books, and authored over 30 papers. He holds the prestigious title of “National Engineering Survey and Design Master.” He currently serves as a member of the MOHURD Urban Rail Transit Construction Committee, the Academic Committee of CAMET, a director of the China Civil Engineering Society, and Vice Chairman of both the Guangdong Provincial Civil Engineering and Architecture Society and the Geotechnical Mechanics and Engineering Society.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



于松伟 / Yu Songwei

中国城市轨道交通协会专家和学术委员会副主任

设计咨询专家委员会副主任兼秘书长北京城建设计发展集团副总经理、全国工程勘察设计大师

Deputy Director of Experts & Academic Committee of the China Association of Metro, as well as Deputy Director and Secretary General of the Design Consulting Expert Committee, Deputy General Manager of UCD. National Engineering Survey and Design Master

于松伟，教授级高级工程师，现担任北京城建设计发展集团股份有限公司副总经理。1987年从西南交通大学铁道电气化专业毕业后分配到城建设计，34年来一直从事国内外城市轨道交通工程设计研究工作，是城建设计勘察设计领域优秀的领军人物。他以严谨踏实的工作态度，求真务实的工作作风，给众多青年设计师树立了良好的榜样，也为城建设计在勘察设计领域的发展做出了突出贡献。先后获“2015年科技北京百名领军人才”、“2005年北京市劳动模范”、“2016年国务院政府特殊津贴专家”等荣誉。

Yu Songwei, a professorate senior engineer, currently serves as the Deputy General Manager of Beijing Urban Construction Design & Development Group Co., Ltd. He graduated from the Railway Electrification major at Southwest Jiaotong University in 1987 and was assigned to urban construction design. For 34 years, he has been engaged in domestic and international urban rail transit engineering design and research, and is an outstanding leader in the field of urban construction design, survey and design. With a rigorous and down-to-earth work attitude and a pragmatic work style, he has set a good example for many young designers and made outstanding contributions to the development of urban construction design in the field of survey and design. He has successively won the honors of "TOP100 Leading Talents of Science and Technology in Beijing in 2015", "Model Worker of Beijing in 2005", "Expert with Special government allowances of the State Council in 2016", etc.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



孙景南 / Sun Jingnan

中车南京浦镇车辆有限公司中车首席技能专家
CRRC Nanjing Puzhen Co., Ltd. Chief Technical Expert at CRRC

孙景南，中车南京浦镇车辆有限公司电焊工，首席技师，国际焊接技师，国际质检师，中车首席技能专家，国家级技能大师工作室领衔人。在我国轨道交通 30 多个品种车辆研发、制造过程中，以精益求精的匠心、一流的工匠技术和协作奉献的精神，为我国轨道交通车辆产品国产化、谱系化和完全拥有自主知识产权做出了突出贡献。曾获全国劳动模范、中华技能大奖、全国技术能手等省部级荣誉三十多项，享受国务院政府特殊津贴。

Sun Jingnan is a Welder, Chief Technician, International Welding Specialist, and International Quality Inspector at CRRC Nanjing Puzhen Co., Ltd. She also serves as a Chief Technical Expert at CRRC and is the Leader of a National Master Craftsman Studio. As a pivotal force in China's rail transit industry, she has shaped the development and manufacturing of over 30 distinct vehicle models. Her meticulous craftsmanship and collaborative dedication have been instrumental in advancing the localization and serialization of the nation's rail vehicle portfolio, securing complete and independent intellectual property rights for the industry. Her distinguished career has been recognized with over thirty provincial and ministerial honors, including the prestigious National Model Worker, the China Grand Skill Award, and the title of National Technical Expert. She is also a recipient of the Special Government Allowance of the State Council.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



张杰 / Zhang Jie

重庆轨道交通运营有限公司国家级技能大师工作室带头人

Chongqing Rail Transit Operation Co., Ltd. Leader of National Skills Master Studio

张杰，中共党员，重庆轨道交通运营三分公司工务维保部副经理，首席技师、正高级工程师，国家级技能大师工作室带头人，享受国务院特殊津贴，第十三届全国人大代表。深耕、单轨道岔检修与创新二十余年，从国内首批维修工成长为行业领军人才。牵头编制国内首部单轨道岔维护手册，主持40余项技改，获10余项专利，累计节约成本超2000万元。获“全国优秀共产党员”“全国劳动模范”“中华技能大奖”等殊荣。

Zhang Jie, a member of the Communist Party of China, is the Deputy Manager of the Track Maintenance Department of the Third Operation Company of Chongqing Rail Transit. He is a Chief Technician, a Senior Engineer, the Leader of the National-level Skill Master Studio, entitled to the Special Allowance of the State Council, and is a deputy to the 13th National People's Congress.

He has been deeply engaged in the maintenance and innovation of monorail turnouts for more than 20 years, growing from one of the first batch of maintenance workers in China to a leading talent in the industry. He took the lead in compiling the first domestic monorail turnout maintenance manual, presided over more than 40 technical transformations, obtained more than 10 patents, and saved a total cost of over 20 million yuan. He has won the honors of "National Outstanding Communist Party Member", "National Model Worker", "China National Skill Award" and so on.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



农兴中 / NongXingzhong

广州地铁设计研究院股份有限公司总工程师

Guangzhou Metro Design & Research Institute Co., Ltd. Chief Engineer

农兴中，1992年毕业于清华大学，国家“万人计划”科技领军人才，享受国务院政府特殊津贴专家，广东省工程勘察设计大师，教授级高级工程师。主持完成十三五国家重点研发计划先进轨道交通课题攻关和国内第一条时速最高120km/h的地铁快线——广州地铁3号线等20多项城市轨道交通重大工程项目，荣获国家科技进步二等奖、省部级科技进步奖、全国优秀设计一等奖等多项奖励，参编标准10多项，出版专著15部，发表论文40余篇。

Xingzhong Nong, graduated from Tsinghua University in 1992, national "Ten Thousand Talents Program" science and technology leading talent, expert enjoying the special government allowance from the State Council, guangdong engineering survey and design master, professor-level senior engineer. He presided over "Advanced Rail Transit" project of the 13th Five Year National Key R&D Plan, as well as more than 20 major urban rail transit engineering projects such as Guangzhou Metro Line 3 (the first high-speed subway line in China with a maximum speed of 120km/h). He won the second prize of national scientific and technological progress, the provincial and ministerial scientific and technological progress award, the first prize of national excellent design, etc., participated in more than 10 standards, and published 15 monographs and more than 40 papers.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



陈文艳 / Chen Wenyan

上海市隧道工程轨道交通设计研究院资深总工

Shanghai Tunnel Engineering & Rail Transit Design and Research Institute Senior Chief Engineer

陈文艳，上海市隧道工程轨道交通设计研究院资深总工，教高工、国家一级注册结构工程师、英国土木工程 ICE 会员、上海市工程勘察设计大师。市总工会以其名字命名“陈文艳轨道交通设计创新工作室”；个人获评市劳模、市巾帼创新奖同时被授予市三八红旗手标兵、重大工程立功竞赛杰出人物称号同时授予市五一劳动奖章等。

主编、参编标准规范近 20 项，专著 7 本，授权专利 30 项；荣获 FIDIC 国际年度奖 2 项；詹天佑奖 1 项；国家和省部级各类设计奖达 65 项。

Chen Wenyan A distinguished figure in her field, Chen Wenyan serves as the Senior Chief Engineer at the Shanghai Tunnel Engineering & Rail Transit Design and Research Institute. She holds the titles of Professor-level Senior Engineer, National Class-A Registered Structural Engineer, and is a member of the Institution of Civil Engineers (ICE), recognized as a Shanghai Master of Engineering Survey and Design. In recognition of her contributions, the Shanghai Federation of Trade Unions established the "Chen Wenyan Rail Transit Design Innovation Studio" in her name. Her personal accolades include Shanghai Model Worker, the Shanghai Women's Innovation Award, the title of "March 8th Red Flag Bearer Pacesetter," and the "Outstanding Figure in Major Project Meritorious Competition," for which she was also awarded the Shanghai May 1st Labor Medal.

Her scholarly work includes serving as chief editor or co-editor for nearly 20 standards and specifications, authoring 7 monographs, and holding 30 authorized patents. She has received 2 FIDIC International Project of the Year Awards, 1 Tien-yow Jeme Award, and 65 national, provincial, and ministerial-level design awards.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



李爱东 / Li Aidong

中国铁路设计集团有限公司

城市轨道交通数字化建设与测评技术国家工程研究中心首席专家国家工程研究中心论坛

China Railway Design Corporation Chief Expert, National Engineering Research Center for Digital

Construction and Evaluation Technology of Urban Rail Transit National Engineering Research Center Forum

李爱东，正高级工程师，首届深圳市工程勘察设计大师。现任中国铁路设计集团有限公司副总工程师。从事城市轨道交通勘察设计与技术研究 30 多年，主持完成深圳岗厦北枢纽、深圳地铁 14 号线、5 号线等 20 余项重大工程建设项目，成功解决多项关键技术难题，推动了行业科技进步。荣获多项省部级科技进步奖、全国优秀设计奖、中国土木工程詹天佑奖等奖项，出版著作 4 部，主、参编行业及地方标准 4 部，在核心期刊发表论文 10 余篇。

Li Aidong, a Professor-level Senior Engineer, holds the prestigious title of Shenzhen Engineering Survey and Design Master. He currently serves as the Deputy Chief Engineer of China Railway Design Corporation. With a career spanning over 30 years in urban rail transit survey, design, and technical research, he has spearheaded more than 20 major engineering projects, including the Shenzhen Gangxia North Hub and Shenzhen Metro Lines 14 and 5, successfully resolving pivotal technical challenges and advancing industry technology. He is a recipient of numerous provincial and ministerial-level Science and Technology Progress Awards, National Excellent Design Awards, and the Tien-yow Jeme Civil Engineering Prize. He has published four books, co-authored four industry and local standards, and has had over ten papers published in core journals.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



黄桂兴 / Huang Guixing

中国铁路设计集团有限公司原副总工程师

China Railway Design Corporation Former Deputy Chief Engineer

黄桂兴，中国铁路设计集团有限公司原院副总工程师，教授级高级工程师，主持了深圳、天津、石家庄、青岛、洛阳等城市多个地铁和综合交通枢纽项目前期研究和勘察设计工作；作为城市轨道交通设计专家，参加或主持了北京、上海、天津、广州、深圳等三十多个城市地铁建设的专家咨询及评审工作。现任中国城市轨道交通协会专家委员会委员。获得天津市五一劳动奖章、优秀共产党员、首批勘查设计大师称号，被评为地铁运营五十年致敬人物。

Huang Guixing Former Deputy Chief Engineer of China Railway Design Corporation Limited, Professor-level Senior Engineer. He has presided over the preliminary research, survey and design work of multiple metro and integrated transportation hub projects in cities such as Shenzhen, Tianjin, Shijiazhuang, Qingdao and Luoyang. As an expert in urban rail transit design, he/she has participated in or presided over the expert consultation and review work for metro construction in more than 30 cities including Beijing, Shanghai, Tianjin, Guangzhou and Shenzhen. He/She currently serves as a member of the Expert Committee of the China Urban Rail Transit Association. He/She has been awarded the Tianjin May 1st Labor Medal, the title of "Outstanding Communist Party Member" and "First Batch of Survey and Design Masters", and was named a "Figure Honored for 50 Years of Metro Operation".

2025 CAMET 论坛 FORUM

分论坛二：

国家工程研究中心专家论坛

National Engineering Research Center Forum

论坛架构 / FORUM STRUCTURE

论坛时间: 2025 年 9 月 19 日 09:00-12:00

论坛地点: 中铁青岛世界博览城 会议中心 3 层大宴会厅 3

主办单位: 中国城市轨道交通协会

承办单位: 中国城市轨道交通协会创新网络管委会
中国城市轨道交通协会传媒会展中心

协办单位: 城轨创新网络中心有限公司

Forum Time: September 19, 2025, 09:00-11:30

Venue: China Railway Qingdao Cosmopolitan Exposition Grand Ballroom 3, 3rd Floor, Convention Center

Hosted by: China Association of Metros (CAMET)

Organized by: Innovation Network Management Committee, China Association of Metros
China Association of Metros Media Exhibition Center

Co-organized by: Urban Rail Innovation Network Center Co., Ltd.



论坛议程 / FORUM AGENDA

主持人	黄建伟 中国城市轨道交通协会副秘书长、城市轨道交通创新网络管委会秘书长		
时 间	演讲主题	演讲人	单位及职务
09:10-09:25	国家工程研究中心分中心管理办法解读	王 忻	城市轨道交通创新网络管委会副秘书长
09:25-09:45	安全·智维·增效 ——科技创新赋能轨道交通行业可持续发展	蔡昌俊	城市轨道交通系统安全与运维保障国家工程研究中心副理事长 / 常务副主任
09:45-10:05	人工智能赋能轨道交通运行控制系统可持续发展	郜春海	轨道交通运行控制系统国家工程研究中心理事长
10:05-10:25	城市轨道交通节能后评价及机电系统能效提升技术研究	那艳玲	城市轨道交通数字化建设与测评技术国家工程研究中心环境控制室主任
主持人	李鸿春 中国城市轨道交通协会专家学术委副主任、城市轨道交通创新网络技术委员会副主任委员		
10:25-10:40	重要活动：首批国家工程研究中心分中心签约仪式 出席嘉宾：协会领导、管委会领导、共建单位领导、工程中心领导		
时 间	演讲主题	演讲人	单位及职务
10:40-11:00	城市轨道交通振动控制的工程实践与探索	陈 鹏	城市轨道交通绿色与安全建造技术国家工程研究中心轨道结构研究中心主任
11:00-11:20	面向轨道交通“多网融合”需求贯通运行列控技术研究进展	孟 军	高速铁路与城轨交通系统技术国家工程研究中心研究员
11:20-11:40	轨道交通司乘人员碰撞伤害评估技术研究	张志强	轨道交通车辆系统集成国家工程研究中心副主任
11:40-12:00	城市轨道交通全自动运行系统国家标准编制及列控标准体系构建	黄友能	轨道交通运行控制系统国家工程研究中心副主任
论坛结束			
时 间	会议主题	参会人员	会议地点
14:00-16:00	城市轨道交通创新网络技术委员会工作会议	全体委员	会议中心二层 202 会议室

论坛议程 / FORUM AGENDA

Moderators	Huang Jianwei, Deputy Secretary-General, China Association of Metros, Secretary-General, Urban Rail Transit Innovation Network Management Committee		
TIME	TOPICS	SPEAKER	AFFILIATION & TITLE
09:10-09:25	An Interpretation of the Management Measures for NERC Branch Centers	Wang Xin	Deputy Secretary-General, Urban Rail Transit Innovation Network Management Committee
09:25-09:45	Safety, Smart Maintenance, and Efficiency: Tech Innovation for Sustainable Rail Transit	Cai Changjun	National Engineering Research Center for Urban Rail Transit System Safety and O&M Support Vice Chairman/Executive Deputy Director
09:45-10:05	AI-Powered Sustainable Development for Rail Transit Operation Control Systems	Gao Chunhai	Chairman, National Engineering Research Center for Rail Transit Operation Control Systems
10:05-10:25	Study on Post-Evaluation of Energy Conservation and Energy Efficiency Improvement Technology for Electromechanical Systems in Urban Rail Transit	Na Yanling	Director of the Environmental Control Room, National Engineering Research Center for Digital Construction and Evaluation Technology of Urban Rail Transit
Moderator	Yu Xin, Deputy General Manager, China Academy of Railway Sciences, Chairman, Urban Rail Transit Innovation Network Co., Ltd.		
10:25-10:40	Important Event: Signing Ceremony for the First Batch of Branch Centers of National Engineering Research Centers Distinguished Guests in Attendance: Leaders of the Association, Leaders of the Management Committee, Leaders of Co-constructing Units, Leaders of the Engineering Center		
TIME	TOPICS	SPEAKER	AFFILIATION & TITLE
10:40-11:00	A Discussion on Vibration Control in Urban Rail Transit Systems	Chen Peng	Director of Track Structure Research Center, National Engineering Research Center for Green and Safe Construction Technology of Urban Rail Transit
11:20-11:40	A Study on Collision Injury Assessment Technology for Rail Transit Drivers and Passengers	Zhang Zhiqiang	Deputy Director, National Engineering Research Center for Rail Transit Vehicle System Integration
11:40-12:00	Compilation of National Standards for Fully Automatic Operation Systems of Urban Rail Transit and Construction of Train Control Standard System	Huang Youneng	Deputy Director, National Engineering Research Center for Rail Transit Operation Control Systems
End of Forum			
TIME	MEETING TOPIC	PARTICIPANT	MEETING PLACE
14:00-16:00	Urban Rail Transit Innovation Network Technical Committee Working Meeting	All Committee Members	Meeting Room on the 1st Floor of the Convention Center

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



黄建伟 /Huang Jianwei

中国城市轨道交通协会 副秘书长

Deputy secretary-general of China Association of Metros

黄建伟，多年从事铁路科研、企业信息化和城市轨道交通咨询评估工作。曾任中国国际工程咨询公司信息中心信息处处长、交通项目部综合处处长、广州中咨城轨工程咨询有限公司副总经理，现任中国城市轨道交通协会副秘书长。

Huang Jianwei He has been engaged in railway scientific research, enterprise informatization, and urban rail transit consulting and evaluation work for many years. He/She once served as Director of the Information Department of the Information Center, Director of the Comprehensive Department of the Transportation Project Department of China International Engineering Consulting Corporation, and Deputy General Manager of Guangzhou CIECC Urban Rail Engineering Consulting Co., Ltd., and currently holds the position of Deputy Secretary-General of the China Urban Rail Transit Association.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



王忻 / Wang Xin

城轨创新网络中心有限公司副总经理

Urban Rail Transit Innovation Network Center Co., Ltd. vice president

王忻，现为城轨创新网络中心有限公司副总经理、铁科院（北京）咨询工程咨询有限公司副总经理、党委委员。担任城市轨道交通创新网络技术委员会副主任。承担及参与了多项轨道交通类课题研究及管理工作，主持多个创新性、重大综合项目，主持省部级重点课题，参与国家发改委示范工程完成 10 余项城轨重大工程和科技项目。

Wang Xin currently serves as the Deputy General Manager of the Urban Rail Innovation Network Center Co., Ltd., the Deputy General Manager of the China Academy of Railway Sciences (Beijing) Consulting Engineering Co., Ltd., and a member of the Party Committee. He also holds the position of Deputy Director of the Urban Rail Transit Innovation Network Technology Committee. Wang Xin has undertaken and participated in numerous research and management projects related to rail transit, led several innovative and significant comprehensive projects, presided over provincial and ministerial key projects, and contributed to over 10 major urban rail transit engineering and technology projects through the demonstration projects of the National Development and Reform Commission.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



蔡昌俊 / Cai Changjun

城市轨道交通系统安全与运维保障国家工程研究中心副理事长 / 常务副主任

National Engineering Research Center for System Safety

Operation Assurance of Urban Rail Transit Vice Chair/Managing Deputy Director

蔡昌俊，教授级高级工程师，工学博士，城市轨道交通系统安全与运维保障国家工程研究中心副理事长 / 常务副主任，党中央、国务院首届“国家卓越工程师团队”核心成员，享受国务院政府特殊津贴专家，交通部城轨交通运营管理专家，中国城轨交通协会专家学术委员会副主任委员、运营管理专业委员会副主任委员，全国城轨交通标准化委员会委员、全国城市客运标准化委员会委员、获广东省五一劳动奖章、广州市杰出专家。主持 / 参加国家、省市重大科技项目 13 项，获授权发明专利 28 项、荣获 47 项科技奖励。

"Cai Changjun Ph.D. in Engineering, Professor-Level Senior Engineer Vice Chairperson and Managing Deputy Director of the National Engineering Research Center for Safety & Operation Assurance of Urban Rail Transit Systems Core Member of the inaugural ""National Outstanding Engineer Team"" recognized by the CPC Central Committee and the State Council Expert Enjoying the State Council Special Government Allowance Urban Rail Transit Operation Management Expert designated by the Ministry of Transport Vice Chairperson of the Expert Academic Committee of China Association of Metros Vice Chairperson of the Operation Management Committee of China Association of Metros Member of the National Urban Rail Transit Standardization Committee Member of the National Urban Passenger Transport Standardization Co"

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



郜春海 / Gao Chunhai

交控科技股份有限公司 / 轨道交通运行控制系统国家工程研究中心董事长 / 理事长
TCT/OTOC Chairman of the Board/Director-General

郜春海，正高级工程师，交控科技股份有限公司（股票代码：688015）董事长，中国城市轨道交通协会副会长，中国上市公司协会副会长，轨道交通运行控制系统国家工程研究中心理事长。我国全自动无人驾驶技术的提出者和践行者，我国互联互通研究和示范的技术总牵头人，新一代智慧城轨的先行者。1993年至今，一直从事轨道交通列车运行控制系统的科学研究与产业化工作，带领团队解决制约我国该领域几十年“卡脖子”问题，实现了中国轨道交通信号系统从“无”到“有”，再到逐步世界领先的华丽蜕变！荣获国家科技进步二等奖、北京市科学技术一等奖等多项科技奖项，被评选为国家级百千万人才、“万人计划”科技领军人才、全国劳动模范等，荣膺“中国地铁 50 年致敬人物”，享受国务院政府特殊津贴。

Gao Chunhai, Senior Engineer, Chairman of Traffic Control Technology Co., Ltd. (stock code: 688015), Vice President of China Association of Metros, Vice President of China Association for Public Companies & Chairman of the National Engineering Research Center for Rail Transit Operation Control System. The initiator and practitioner of China's fully automatic unmanned driving technology, the overall leader of research and demonstration on interconnection and intercommunication, and a pioneer of the new generation of intelligent urban rail. Since 1993, he has been engaged in scientific research and industrialization of train operation control systems for urban rail transit. Leading a team, he has solved the "bottleneck" problem that has constrained this field in China for decades, achieving a magnificent transformation from "no" to "existing" and gradually leading the world in China's rail transit signaling system! He has been awarded the National Science and Technology Progress Award (Second Class), Beijing Science and Technology Award (First Class), and other science and technology awards. He has been selected as a national-level talent and a leading figure in the "Ten Thousand Talents Program" for science and technology. He has been honored as a national model worker and recognized as one of the "50-year Tribute Figures in China's Subway". He enjoys a special government allowance from the State Council.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



那艳玲 /Na Yanling

中国铁路设计集团有限公司环境控制室主任

China Railway Design Corporation Director of Environmental Control Laboratory

那艳玲，正高工，中国铁设城交事业部副总兼国家工程研究中心环境控制室主任，天津市劳模、天津市“三八红旗手”。获中国五四青年奖章，中国铁路优秀共产党员、国铁集团“百千万人才”专业带头人，詹天佑专项基金杰出人才奖、天津市科技青年奖。完成十几座城市的城市轨道交通、综合交通枢纽环控设计，以及百余座铁路如隧道通风设计；主持或参与国家级、省部级课题 20 项；获省部级以上科技奖励 8 项，优秀设计奖 30 余项。

Na Yanling, a senior engineer, serves as the deputy general manager and the director of the Environmental Control Laboratory . She is a model worker in Tianjin . She has been awarded the May 4th Youth Medal of China, the Outstanding Communist Party Member of China Railway, the professional leader of the "Hundred, Thousand, and Million Talents" program of China Railway Group, the Outstanding Talent Award of the Zhan Tianyou Special Fund, and the Tianjin Science and Technology Youth Award. She has completed urban rail transit and integrated transportation hub environmental control design for more than ten cities. Completed 20 national and provincial level projects; won 8 provincial and above level science and technology awards, and more than 30 excellent design awards.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



陈鹏 / Chen Peng

城市轨道交通绿色与安全建造技术国家工程研究中心轨道工程技术中心主任

National Engineering Research Center of Green

Safe Construction Technology in Urban Rail Transit Director of Railway Engineering Technology Center

陈鹏，博士，教授级高级工程师。担任公司轨道工程技术中心主任，兼任国家工程研究中心新型轨道结构技术研究中心主任。担任中国城市轨道交通协会标准化技术委员会技术装备分技术委员会副秘书长、《都市快轨交通》编委、北京市工程勘察设计行业专家、北京工程建设标准化协会专家等社会兼职。荣获北京市科学技术进步奖一等奖、中国城市轨道交通协会科技进步奖特等奖、北京市优秀勘察设计奖一等奖等各类奖励。荣获第十七届詹天佑铁道科学技术奖成就奖、北京市轨道交通学会杰出青年人才等个人荣誉。

Chen Peng, Ph.D., Professor-level Senior Engineer. Serves as the Director of the company's Rail Engineering Technology Center and concurrently as the Director of the New Rail Structure Technology Research Center at the National Engineering Research Center. Holds several professional roles including Deputy Secretary-General of the Technical Equipment Subcommittee of the Standardization Technical Committee of the China Association of Metros, Editorial Board Member of Urban Rapid Rail Transit, and Expert of the Beijing Engineering Construction Standardization Association. Has received numerous awards such as the First Prize of Beijing Science and Technology Progress Award. Also honored with individual accolades including the 17th Zhan Tianyou Railway Science and Technology Achievement Award.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



孟军 /Meng Jun

中国铁道科学研究院集团有限公司通信信号研究所 ATO 技术负责人

*China Academy of Railway Sciences Corporation Limited Signaling and
Communications Research Institute ATO Technical Director*

孟军，主要从事列车自动驾驶技术研究，涉及高铁、城际铁路、地铁、货运铁路等领域。

Meng Jun Mainly engaged in research on train automatic operation technology, covering fields such as high-speed railways, intercity railways, subways, and freight railways.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



张志强 / Zhang Zhiqiang

中车青岛四方机车车辆股份有限公司国家工程研究中心副主任
CRRC Qingdao Sifang Co., Ltd. Deputy Director of the National Engineering Research Center

张志强，正高级工程师，中车青岛四方机车车辆股份有限公司工程实验室副主任，中国中车试验技术专家组成员。主要研究领域包括轨道车辆健康监测与智能运维、轨道车辆试验技术、碰撞安全等方面。主持“城轨交通互操作综合测试与认证平台关键技术”、“中泰铁路系统联合研究”等科技部项目。中车重大专项“轨道交通装备故障预测与健康关键技术研究与应用”项目，动车组课题负责人。

Zhang Zhiqiang, a professor-level senior engineer, is the deputy director of the National Engineering Research Center of CRRC Qingdao Sifang Locomotive & Rolling Stock Co., Ltd. and a member of the CRRC Test Technology Expert Group.

分论坛三：

城轨行业科普论坛

Forum on Science Popularization in the Urban Rail Industry

论坛架构 / FORUM STRUCTURE

论坛时间: 2025年9月20日 09:00-12:00

论坛主题: 科技改变生活 创新赢得未来

论坛地点: 中铁青岛世界博览城 N4 馆科普展区 (N4207-1)

指导单位: 北京市科学技术协会、重庆市科学技术协会、青岛市科学技术协会

主办单位: 中国城市轨道交通协会

承办单位: 中国城市轨道交通协会专家和学术委员会、中国城市轨道交通协会传媒会展中心

支持单位: 中国大百科全书出版社、人民交通出版社、北京市地铁运营有限公司、上海地铁博物馆、广州地铁博物馆、青岛地铁集团有限公司、青岛地铁集团运营有限公司、上海电气自动化集团有限公司、交控科技股份有限公司、铁道视界·铁道工坊

Forum Time: September 20, 2025, 09:00-12:00

Theme: Technology Changes Lives, Innovation Wins the Future

Venue: Popular Science Exhibition Area, Hall N4 (N4207-1)

Guided by: Beijing Association for Science and Technology; Chongqing Association for Science and Technology;
Qingdao Association for Science and Technology

Hosted by: China Association of Metros (CAMET)

Organized by: Experts and Academic Committees of CAMET; Media and Exhibition Center, China Association of Metros (CAMET)

Supported by: Encyclopedia of China Publishing House; People's Communications Press; Beijing Mass Transit Railway Operation Corp., Ltd.; Shanghai Metro Museum; Guangzhou Metro Museum; Qingdao Metro Group Co., Ltd.; Qingdao Metro Group Operation Co., Ltd.; Shanghai Electric Automation Group Co., Ltd.; MTR Corporation Limited; Beijing Chunxiao Shijie Culture Communication Co., Ltd.;



论坛议程 / FORUM AGENDA

主持人	官波 中国城市轨道交通协会专家和学术委员会副主任
出席嘉宾	省市科协领导、中国城市轨道交通协会领导、中国大百科全书出版社领导、人民交通出版社领导、地铁公司领导等

一、开幕式 讲话

时 间	讲话主题	发言嘉宾	单位及职务
09:00-09:05	青岛市科学技术协会领导讲话	秦云鹏	青岛市科学技术协会党组成员、副主席

二、重要活动

09:05-09:30	轨道交通融入百科全书： 解码城市流动的智慧引擎	马 蕴	中国大百科全书出版社 三版内容中心副主任
	活动 1: 科普著作《中国大百科全书》签赠仪式		
09:30-09:55	始于轨道： 一部关于城市、科技与未来的立体科普书	陈志敏	人民交通出版社总编辑
	主编分享：用科普解锁城市轨道交通的奥秘	相关领导	中国城市轨道交通协会
活动 2: 科普丛书《四通八达的城市轨道交通》新书发布仪式			

城轨行业科普论坛

FORUM ON SCIENCE POPULARIZATION IN THE URBAN RAIL INDUSTRY

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三、主题演讲

时 间	演讲主题	发言嘉宾	单位及职务
主持人	唐 涛 中国城市轨道交通协会专家和学术委员会副主任		
09:55-10:10	城市轨道交通科普发展前景与规划	赵晓峰	上海电气自动化集团有限公司科普负责人
10:10-10:25	地铁摇篮，北京地铁的发展史	光志瑞	北京地铁技术创新研究院 设备设施技术部副部长
10:25-10:40	科技赋能出行，文创延续文脉	郭 震	上海地铁博物馆副馆长
10:40-10:55	地铁文化与城市共生	杨 穗	广州地铁博物馆馆长
10:55-11:10	从交通载体到价值载体的地铁经营转型之路	喻 晶	青岛地铁集团运营有限公司 党群工作部经理助理
11:10-11:30	活动 3：抽奖活动		

四、科普宣讲

时 间	演讲主题	发言嘉宾	单位及职务
主持人	韩宝明 中国城市轨道交通协会专家和学术委员会副主任兼秘书长		
11:30-11:45	智慧城市轨道交通科普实践案例分享	马宗儒	交控科技轨道交通运行控制系统国家工程研究中心研究室副主任
11:45-12:00	有轨电车与城市景观融合	罗春晓	铁道视界·铁道工坊品牌创始人

总 结

城轨行业科普论坛

FORUM ON SCIENCE POPULARIZATION IN THE URBAN RAIL INDUSTRY

论坛议程 / FORUM AGENDA

Moderator	Guan Bo, Deputy Director, Experts and Academic Committee, CAMET
Attending Guests	Leaders from provincial and municipal science associations, CAMET, Encyclopedia of China Publishing House, People's Communications Press, and metro companies.

I. Opening Ceremony & Addresses

TIME	SPEECH THEME	SPEAKER	AFFILIATION & TITLE
09:00-09:05	Address by Leadership from the Qingdao Association for Science and Technology	Qin Yunpeng	Qingdao Association for Science and Technology Member of the Party Leadership Group & Vice Chairman

II. Key Activities

09:05-09:30	Rail Transit Integrated into Encyclopedia: Decoding the Smart Engine of Urban Mobility	Ma Yun	Deputy Director, Third Edition Content Center, Encyclopedia of China Publishing House
	Activity 1: Book Signing Ceremony for the Popular Science Work "Encyclopedia of China"		
09:30-09:55	Starting from the Track: A 3D Popular Science Book about the City, Technology, and the Future	Chen Zhimin	Editor-in-Chief, China Communications Press
	Editor-in-Chief's Sharing: Unlocking the Mysteries of Urban Rail with Popular Science	Leaders	the China Association of Metros (CAMET)
	Activity 2: New Book Launch: The Ubiquitous Urban Rail Transit, a new addition to the Popular Science Series.		

III. Keynote Presentations

TIME	TOPIC	SPEAKER	AFFILIATION & TITLE
Moderator	Tang Tao, Deputy Director, Experts and Academic Committee, CAMET		
09:55-10:10	Prospects and Planning for Urban Rail Transit Science Popularization	Zhao Xiaofeng	Head of Science Popularization, Shanghai Electric Automation Group Co., Ltd.
10:10-10:25	The Cradle of Metros: A History of the Beijing Subway	Guang Zhirui	Beijing Subway Technology Innovation Research Institute, Deputy Director, Equipment & Facilities Technology Dept.

城轨行业科普论坛

FORUM ON SCIENCE POPULARIZATION IN THE URBAN RAIL INDUSTRY

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TIME	PRESENTATION THEME	SPEAKER	AFFILIATION & TITLE
10:25-10:40	Smart Mobility, Enduring Heritage	Guo Zhen	Deputy Curator of Shanghai Metro Museum
10:40-10:55	Metro Culture and Urban Symbiosis	Yang Sui	Curator of Guangzhou Metro Museum
10:55-11:10	"From a Transportation Carrier to a Value Carrier": The Road of Metro Operation Transformation	Yu Jing	Qingdao Metro Operation Co., Ltd. Assistant to the Manager of the Party and Mass Work Department
11:10-11:30	Activity 3: Lucky Draw		

IV. Popular Science Presentations

TIME	PRESENTATION THEME	SPEAKER	AFFILIATION & TITLE
Moderator	Han Baoming, Deputy Director & Secretary-General, Experts and Academic Committee, CAMET		
11:30-11:45	Practices in Popularizing Science for Smart Urban Rail Transit Practice Sharing	Ma Zongru	Deputy Director, Research Office, National Engineering Research Center for Rail Transit Operation Control Systems, TCT Co., Ltd.
11:45-12:00	Integrating Trams with the Urban Landscape	Luo Chunxiao	Railway Vision · Railway Workshop, Brand Founder

Summary

城轨行业科普论坛

FORUM ON SCIENCE POPULARIZATION IN THE URBAN RAIL INDUSTRY

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



秦云鹏 / Qin Yunpeng

青岛市科学技术协会党组成员、副主席

Qingdao Association for Science and Technology Member of the Party Leadership Group, Vice Chairman

秦云鹏，青岛市科学技术协会党组成员、副主席

Qin Yunpeng Member of the Party Leadership Group & Vice Chairman, Qingdao Association for Science and Technology

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



韩宝明 / Han Baoming

中国城市轨道交通协会专家和学术委员会副主任兼秘书长、《都市快轨交通》杂志社荣誉社长
China Association of Metros (CAMET)
Deputy Director and Secretary-General of the Expert and Academic Committee

韩宝明，北京交通大学交通运输学院教授，博士生导师。现任北京交通大学TOD研究院执行院长，《都市快轨交通》杂志社社长，中国城市轨道交通协会专家和学术委员会副主任兼秘书长，中国城市轨道交通协会科技进步奖奖励委员会副主任，中国城市轨道交通协会职称评审委员会副主任，内蒙古大学与天津职业技术师范大学兼职教授。长期从事国土空间与交通协同（TOD）、铁路运输组织现代化、高速铁路运输组织、城市轨道交通运营管理等领域的相关工作。主要研究方向为运输组织现代化和城市轨道交通规划与管理等。近年来，先后主持和作为主要完成人参加完成国家自然科学基金、省部级项目40余项。在国内外刊物上发表了200余篇论文，其中多篇论文被SCI、EI检索。出版多部教材和专著。

Han Baoming A Professor and Doctoral Supervisor at the School of Traffic and Transportation, Beijing Jiaotong University. He is the Executive Dean of the TOD Research Institute at Beijing Jiaotong University and serves as President of Urban Mass Transit magazine. Within the China Association of Metros (CAMET), he holds several key leadership positions: Deputy Director and Secretary-General of the Expert and Academic Committee, Deputy Director of the Science and Technology Progress Award Committee, and Deputy Director of the Professional Title Evaluation Committee. He also contributes as an adjunct professor at Inner Mongolia University and Tianjin University of Technology and Education. His career is dedicated to advancing critical fields such as Transit-Oriented Development (TOD), modernizing railway transport organization, managing high-speed rail operations, and optimizing urban rail transit management. His principal research is focused on the modernization of transportation organization alongside urban rail transit planning and management. In recent years, he has successfully led or served as a principal contributor to over 40 national, provincial, and ministerial-level research projects, including initiatives backed by the National Natural Science Foundation of China. An accomplished author, he has published over 200 papers in domestic and international journals, many of which are indexed by SCI and EI. His body of work also includes multiple textbooks and monographs.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



官波 / Guan Bo

中国城市轨道交通协会专家和学术委员会副主任

Deputy Director, Experts and Academic Committee, CAMET

官波，女，中共党员，原重庆市铁路集团党委书记、董事长，正高级工程师，中国城市轨道交通协会专家和学术委员会副主任。荣获全国劳动模范、全国“三八”红旗手、国务院政府特殊津贴、“庆祝中华人民共和国成立 70 周年”纪念章、重庆市“三八”红旗手、重庆市“国企贡献奖”等殊荣。该同志长期从事城市轨道交通规划、建设、运营管理以及城市建设、城市轨道交通信息化推广建设等工作。全程参与重庆轨道交通从单线到网络化的建设，围绕国家成渝双城经济圈战略和“四网融合”发展新要求，牵头组织推动重庆都市圈快速轨道交通建设，先后牵头组织建成了国内首条双流制技术的江跳线项目，实现市郊铁路与地铁的贯通运营的示范并有序组织推进重庆城轨快线 15 号线、27 号线项目建设。先后组织完成了重庆城轨快线技术规范、施工验收规范等重庆都市圈快速轨道交通网络（城轨快线）建设系列技术标准编制工作，牵头组织开展国家科技部先进轨道交通重点专项《区域轨道交通协同运输与服务系统》、交通运输部“交通强国”等国家级课题研究、中城协重点科研专项《区域轨道交通协同运输与服务体系应用研究》。

Guan Bo, former Party Secretary and Chairman of Chongqing Railway Group, is a Professor-level Senior Engineer and the Deputy Director of the Expert and Academic Committee of the China Association of Metros (CAMET). She is a recipient of numerous prestigious honors, including National Model Worker, National “March 8th” Red-Banner Holder, the Special Government Allowance of the State Council, the “Celebrating the 70th Anniversary of the Founding of the PRC” Commemorative Medal, and the Chongqing “State-Owned Enterprise Contribution Award”. She has dedicated her career to the planning, construction, and operational management of urban rail transit, as well as its integration with urban development and the promotion of informatization. She has been involved in the entire development of Chongqing’s rail transit from a single line to a comprehensive network. Aligning with the national Chengdu-Chongqing Twin City Economic Circle strategy and the “Four-Network Integration” initiative, she has led the development of the Chongqing metropolitan area’s rapid rail transit. Her leadership was instrumental in constructing China’s first dual-voltage system project, the Jiang-Tiao Line, which serves as a model for through-operation between suburban and metro railways. She continues to oversee the construction of Urban Rail Express Lines 15 and 27. She has directed the compilation of a series of technical standards for the Chongqing metropolitan rapid rail network, including technical and construction acceptance codes. She has also spearheaded national-level research projects, such as the Ministry of Science and Technology’s key project on “Regional Rail Transit Collaborative Transportation and Service System”, the Ministry of Transport’s “A Nation with Strong Transportation” initiative, and CAMET’s key research project on “Applied Research on the Collaborative Transportation and Service System of Regional Rail Transit”.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



唐涛 / Tang Tao

中国城市轨道交通协会专家和学术委员会副主任

Deputy Director, Experts and Academic Committee, CAMET

唐涛，北京交通大学教授、博士生导师，先进轨道交通自主运行全国重点实验室首席科学家。30 多年以来一直从事轨道交通列车运行控制（简称列控）系统的科研与教学，是我国自主可控列控领域的领军者。研发了国内首个自主化的基于通信的列控系统（CBTC）成套装备、国内首个自主化全自动运行系统（FAO）成套装备，在全国广泛应用。使我国列控技术从无到有、从跟跑到并跑，整体水平步入国际领先行列，为我国列控装备的自主可控做出了开创性贡献。相关成果获国家科技进步奖二等奖、北京市科学技术奖一等奖等。牵头制定轨道交通列控系统国家标准及行业规范，出版《列车运行控制系统》等专著 5 部。

Tang Tao Professor and Doctoral Supervisor at Beijing Jiaotong University, and Chief Scientist at the State Key Laboratory of Advanced Rail Autonomous Operation. For over 30 years, he has been dedicated to the research and teaching of rail transit Train Operation Control (TOC) systems, establishing himself as a leading figure in China's independent and controllable TOC field. He pioneered the development of China's first indigenous Communication-Based Train Control (CBTC) system and its first indigenous Fully Automatic Operation (FAO) system, both of which have been widely implemented nationwide. His groundbreaking contributions have been instrumental in advancing China's TOC technology from non-existence to a position of global leadership, moving from following to running parallel with international standards and ensuring the nation's self-sufficiency in this critical equipment. His achievements have been recognized with numerous accolades, including a Second Prize of the National Science and Technology Progress Award and a First Prize of the Beijing Municipal Science and Technology Award. He has led the formulation of national and industry standards for rail transit TOC systems and has authored five monographs, including Train Operation Control System.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



马蕴 / Ma Yun

中国大百科全书出版社三版内容中心副主任

Encyclopedia of China Publishing House Deputy Director of the Third Edition Content Center

马蕴，女，中国出版集团中国大百科全书出版社三版内容中心副主任，编审，中国辞书学会第七届理事会成员。参与主持国家级和省部级百科全书编纂项目十余项，参编出版物先后获得第二届、第三届、第五届“中国出版政府奖”。

Ma Yun is the Deputy Director of the Third Edition Content Center at the Encyclopedia of China Publishing House (part of China Publishing Group), a Senior Editor, and a member of the 7th Council of the Lexicographical Society of China. She has participated in and co-directed over ten national and provincial-level encyclopedia compilation projects. Publications she has co-edited have won the “China Publishing Government Award” at the 2nd, 3rd, and 5th ceremonies.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



陈志敏 / Chen Zhimin

人民交通出版社股份有限公司总编辑

People's Communications Publishing House Co., Ltd. Editor-in-Chief

陈志敏，人民交通出版社总编辑，《交通节能与环保》期刊主编，中国编辑学会理事，中国公路学会理事，长期从事图书编辑出版及融合出版、企业知识管理、科技出版融合发展转型、交通文化宣传的理论研究与创新实践，获得包括中国出版政府奖在内的省部级以上图书奖 6 项，入选第三批北京市新闻出版广电行业领军人才、交通运输青年科技英才、中宣部文化名家暨“四个一批”人才，荣获国务院特殊津贴。

Chen Zhimin is the Editor-in-Chief of People's Communications Press and the journal Transportation Energy Conservation & Environmental Protection. He serves as a director for both the China Editology Society and the China Highway and Transportation Society. With a long-standing career in book editing, integrated publishing, corporate knowledge management, and the digital transformation of science publishing, he is also a dedicated researcher and practitioner in promoting transportation culture. He has received six provincial-level or higher book awards, including the China Publishing Government Award. He has been recognized as a Leading Talent in Beijing's News and Publishing Industry, a Young Science and Technology Talent in Transportation, and a "Four Batches" Talent by the Central Propaganda Department, and is a recipient of the State Council's special allowance.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



光志瑞 / Guang Zhirui

北京市地铁运营有限公司技术创新研究院分公司设备设施技术部副部长
*Technology Innovation Research Institute of Beijing Metro Operation Co., Ltd
Deputy Director of the Equipment and Facilities Technology Department*

光志瑞，高级工程师，现任北京地铁技术创新研究院设备设施技术部副部长。长期专注于城市轨道交通大数据技术的战略规划与研究应用，拥有十余年大数据挖掘与系统建设经验。近五年参与国家级、省部级项目 7 项，发表论文 18 篇，获专利 5 项、软著 10 项。曾入选北京市青年托举人才工程和中国轨道交通创新优秀青年人才，荣获北京市轨道交通学会科技进步奖一等奖等多项荣誉，并担任多个行业学会评审专家。

Guang Zhirui is a distinguished Senior Engineer and the current Deputy Director of the Equipment and Facilities Technology Department at the Beijing Subway Technology Innovation Research Institute. With a career spanning over a decade, he has established himself as a leading expert in the strategic application of big data technology within the urban rail transit sector. Mr. Guang's work is centered on pioneering advancements in big data mining and system construction. His leadership and expertise have been instrumental in shaping the technological landscape of modern transportation. Over the last five years, he has played a key role in seven major projects at the national, provincial, and ministerial levels. A prolific contributor to his field, he has authored 18 scholarly papers, secured 5 patents, and developed 10 software copyrights.

In recognition of his significant contributions, Mr. Guang has received numerous accolades. He was selected for the prestigious Beijing Youth Talent Support Program and honored as one of China's Outstanding Young Talents in Rail Transit Innovation. Among his many awards is the first prize of the Science and Technology Progress Award from the Beijing Rail Transit Society. His respected standing in the industry is further evidenced by his role as a review expert for multiple professional associations.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



郭震 / Guo Zhen

上海地铁博物馆副馆长

Shanghai Metro Museum Deputy Director

郭震，2023年初任上海地铁博物馆副馆长以来，始终以“传播优秀文化、彰显城市精神”为核心，推动博物馆多维发展：牵头优化管理制度，有效提升服务效能；积极整合地铁资源，策划推出“上海地铁卡生肖纪念卡迎春展”、“一站一铭”上海地铁站名书法展等优质临展，吸引跨圈层关注；升级线下展项、开发线上博物馆，打造“线下沉浸+线上便捷”体验；深挖地铁文脉，开发地铁主题文创新品，让地铁文化融入日常，助力博物馆影响力持续提升。

Guo Zhen Since becoming Deputy Director of the Shanghai Metro Museum in early 2023, he has focused on “disseminating outstanding culture and highlighting the city’s spirit” to drive the museum’s multi-dimensional growth. He has led the optimization of management systems to enhance service efficiency; integrated metro resources to launch acclaimed temporary exhibitions like the “Shanghai Metro Zodiac Commemorative Card Spring Exhibition” and the “One Station, One Inscription” calligraphy exhibition, attracting diverse audiences. By upgrading physical exhibits and developing an online museum, he has created a dual “immersive offline + convenient online” experience. He has also delved into the metro’s cultural heritage to develop new themed products, integrating metro culture into daily life and continuously boosting the museum’s influence.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



杨穗 / Yang Sui

广州地铁集团有限公司广州地铁博物馆馆长

Guangzhou Metro Group Co., Ltd. Director, Guangzhou Metro Museum

杨穗，现任广州地铁博物馆馆长，工商管理硕士。近二十年文旅及品牌创意行业经验，具备扎实理论及丰富的商业地产、文旅项目顶层设计、前期策划、品牌营销、招商运营实操经验。

曾任广州有轨电车品牌总监，打造央视点名称赞的“广州最美 7.7km”轨交文旅线路；现为广州地铁博物馆馆长，成功打造城市级网红打卡点“广州地铁博物馆”，通过广州地铁 YO 计划向公众传递“地铁+”多元城市生活新方式。

Yang Sui is the Director of the Guangzhou Metro Museum and holds an MBA. With nearly two decades of experience in the cultural tourism and brand creative industries, he possesses a solid theoretical foundation and extensive hands-on experience in top-level design, preliminary planning, brand marketing, and investment operations for commercial real estate and cultural tourism projects.

He previously served as the Brand Director for Guangzhou Trams, where he created the “most beautiful 7.7km” rail tourism line, which was praised by CCTV. As the current Director of the Guangzhou Metro Museum, he has successfully established it as a city-level landmark. Through the Guangzhou Metro YO Plan, he promotes a “Metro+” diversified urban lifestyle to the public.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



喻晶 / Yu Jing

青岛地铁集团运营有限公司党群工作部经理助理

*Qingdao Metro Group Operation Co., Ltd. Qingdao Metro Group Operation Co., Ltd.
Assistant Manager of the Party and Mass Affairs Department*

喻晶，现任青岛地铁集团运营有限公司党群工作部经理助理，主要负责文化品牌建设及宣传推广工作。本次论坛将围绕“从交通载体到价值载体”主题，分享“乘着地铁去研学”经营项目的实践与思考。

Yu Jing Currently serving as the Assistant Manager of the Party and Mass Affairs Department at Qingdao Metro Group Operation Co., Ltd., she is primarily responsible for cultural brand building and promotion. At this forum, she will share practices and insights from the “Study Tours by Metro” business project, centered on the theme “From a Transportation Carrier to a Value Creator”.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



赵晓峰 / Zhao Xiaofeng

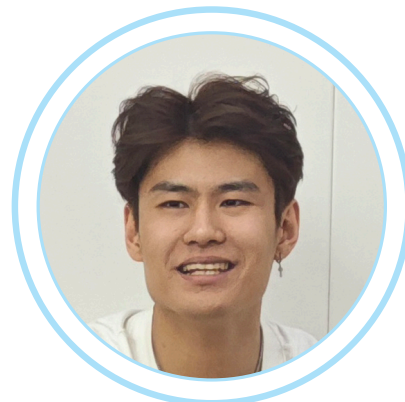
上海电气集团股份有限公司高级经理

Shanghai Electric Group Company Limited Senior Manager

赵晓峰，高级工程师，上海电气集团科技项目带头人，国际铁路信号工程师 IRSE 协会会员。22 年城轨交通列车运行控制系统研发创新和工程实施经验，担任地铁、轻轨、跨座式 / 悬挂式单轨、胶轮路轨 APM、有轨电车项目总工，参与科技部智能制造、智慧城市、工业互联网、低空空中交通管理系统、高端装备工业大模型、人形机器人等攻关课题。兼任企业讲师，开发培训师培训课程，培训用户逾千人。兼职高校导师，讲授专业课程，指导毕业设计。

Zhao Xiaofeng A Senior Engineer, Technology Project Leader at Shanghai Electric Group, and a member of the Institution of Railway Signal Engineers (IRSE). With 22 years of experience in the R&D and implementation of urban rail transit train operation control systems, he has served as the chief engineer for metro, light rail, straddle/suspended monorail, APM, and tram projects. He has participated in key national research projects under the Ministry of Science and Technology, covering areas such as intelligent manufacturing, smart cities, industrial internet, low-altitude air traffic management, industrial large models for high-end equipment, and humanoid robots. He also serves as a corporate trainer, having developed “train the trainer” courses and trained over a thousand users. Additionally, he is an adjunct university mentor, teaching specialized courses and supervising graduation projects.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



马宗儒 / Ma Zongru

交控科技股份有限公司交控研究院软件工程师

Traffic Control Technology Co., Ltd Software Engineer, TCT Research Institute

马宗儒，历任丰台区智慧城市轨道交通科普展厅建设项目（2021年丰台区科信局）、智慧城市轨道交通科普内容开发与推广服务（2022年北京市科委）、2023、2024、2025 三届“科技馆之城”公共展教示范服务（北京市科协）项目负责人，牵头制作科普视频 30 余部、科普图文 50 余篇，主持设计《智慧城市轨道交通前沿探秘》系列科普产品；面向院校学生、高校老师、市民大众共开展线下科普讲解上千次，科普受众万余人，具有丰富的科普实践经验

Ma Zongru He has served as the project leader for several key initiatives, including the Fengtai District Smart Urban Rail Transit Science Popularization Exhibition Hall project (2021, Fengtai District Bureau of Science, Technology and Information), the Smart Urban Rail Transit Science Popularization Content Development and Promotion Service (2022, Beijing Municipal Science & Technology Commission), and three consecutive "City of Science Museums" Public Exhibition and Education Demonstration Service projects (2023-2025, Beijing Association for Science and Technology). Under his leadership, he has produced over 30 popular science videos and more than 50 science articles and graphics, and directed the design of the "Exploring the Frontiers of Smart Urban Rail Transit" series of educational products. With extensive hands-on experience, he has delivered over a thousand offline science lectures to students, university faculty, and the general public, reaching an audience of more than ten thousand people.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



罗春晓 / Luo Chunxiao

铁道视界·铁道工坊品牌创始人

Rail Vision · Rail Workshop Brand Founder

罗春晓，铁路科普作家、铁路文化学者，铁路文化行业知名品牌“铁道视界”创始人、团队负责人。罗春晓先生从事铁路文化行业已近 20 年，深度挖掘与探索国内外铁路文化、铁路科技等相关领域，并利用自己的专业知识加以解读，利用独到艺术视角加以呈现。迄今为止，罗春晓先生已出版《中国铁道风景线》、《世界高速列车图鉴》、《中国高铁动车组巡览》、《中国经典火车图鉴·电力机车篇》等科普专著，广受读者赞誉。

Luo Chunxiao is a railway science writer, a railway culture scholar, and the founder and team leader of “Rail Vision”, a renowned brand in the railway culture industry. With nearly 20 years in the field, Mr. Luo has deeply explored domestic and international railway culture and technology, interpreting them with his professional knowledge and presenting them through a unique artistic lens. To date, he has published several acclaimed popular science books, including China’s Railway Landscape, An Illustrated Guide to the World’s High-Speed Trains, A Tour of China’s High-Speed EMU Trains, and An Illustrated Guide to China’s Classic Trains: Electric Locomotives.

2025 CAMET 论坛 FORUM

分论坛四：

AI：开启城轨新征程

AI: Powering a New Era for Urban Rail

论坛架构 / FORUM STRUCTURE

论坛时间: 2025年9月19日 09:00-16:20

论坛地点: 中铁青岛世界博览城 会议中心 3层大宴会厅 2

主办单位: 中国城市轨道交通协会

承办单位: 青岛地铁集团有限公司
中国城市轨道交通协会信息化专业委员会
中国城市轨道交通协会安全专业委员会

协办单位: 青岛城市轨道交通科技有限公司
华为技术有限公司
北京城建智控科技股份有限公司
北京金山办公软件股份有限公司

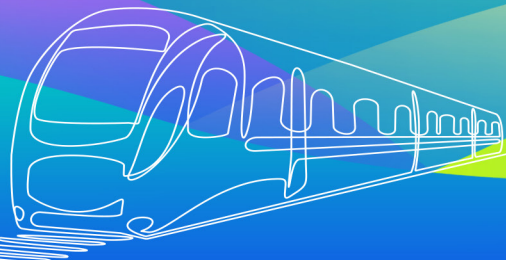
Forum Time: September 19, 2025, 09:00-16:20

Venue: China Railway Qingdao Cosmopolitan Exposition 3rd Floor, China Qingdao World Expo City Convention Center

Hosted by: China Association of Metros (CAMET)

Organized by: Qingdao Metro Group Co., Ltd.
China Association of Metros Informationization Committee
China Association of Metros Safety Committee

Co-organized by: Qingdao Urban Rail Transit Technology Co., Ltd.
Huawei Technologies Co., Ltd.
Beijing Urban Construction Intelligent Control Co., Ltd.
Beijing Kingsoft Office Software Co., Ltd.



论坛议程 / FORUM AGENDA

主持人	刘纪俭 青岛地铁集团有限公司副总经理
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一、开场

时 间	发言主题	发言嘉宾	单位及职务
09:00-09:05	主持人开场，介绍与会嘉宾	刘纪俭	青岛地铁集团有限公司副总经理

二、主题研讨

时 间	发言主题	发言嘉宾	单位及职务
09:05-09:25	主题宣讲 1: AI 赋能城轨行业发展思考	邢春阳	青岛地铁集团有限公司副总工程师
09:25-09:45	主题技术交流 1: 轨道运营安全数字化管控探讨	王 璇	重庆轨道交通运营有限公司 党委委员、副总经理
09:45-10:05	主题技术交流 2: 关于雄安新区至北京大兴国际机场快线项目创新发展的思考	孙晋敏	河北雄安轨道快线有限责任公司副总经理 雄安京雄快轨有限公司董事长
10:05-10:25	主题技术交流 3: 基于人工智能技术的城市轨道交通供电智慧运维系统实践与探索	赵宏宇	青岛城市轨道交通科技有限公司董事长

茶歇 (10:25-10:50)

10:50-11:10	主题技术交流 4: 自主化数智底座，助力城轨行业智能化跃升	沈光亮	华为技术有限公司中国区地铁行业总工
11:10-11:30	主题宣讲 2: 智引轨交新未来：多智能体架构驱动下的轨交大模型智能进阶与行业规范共建	徐孝天	北京城建智控科技股份有限公司 创新业务技术总监
11:30-11:50	主题技术交流 5: WPS 365 一站式 AI 办公助力轨道交通行业数字化转型升级	武 岳	北京金山办公软件股份有限公司 行业解决方案总经理

论坛议程 / FORUM AGENDA

午休 (11:50-14:00)

主持人	赵斌 中国城市轨道交通协会安全管理专业委员会副秘书长		
时间	发言主题	发言嘉宾	单位及职务
14:00-14:20	主题技术交流 6: 湖北东湖实验室核心技术在绿色城轨的应用	隋佳斌	青岛地铁运营有限公司副总经理
14:20-14:40	主题宣讲 3: 云数智融合驱动的行业 AI 应用思考与实践	程宣	京投轨道交通科技控股有限公司研究院副院长
14:40-15:00	主题宣讲 4: 班组建设激发企业细胞活力, 助力运营安全管理提升	王福强	青岛地铁运营有限公司安全总监
15:00-15:20	主题宣讲 5: 数智赋能 构筑地铁安全韧性防线	卢锦生	广州地铁集团有限公司安全部副部长
15:20-15:40	主题技术交流 7: AI 时代的钉钉在轨交行业的数字化实践	徐晓林	钉钉(中国)信息技术有限公司 交通行业总经理
15:40-16:00	主题宣讲 6: 重塑生产力: “端侧算力 × 私域大数据 × 智能体”构建企业专属 AI 数字员工与智能团队	廖翌棋	北京卡特加特人工智能科技有限公司 CEO
16:00-16:20	主题技术交流 8: 城轨垂域大模型 + 智能体: 重塑城轨行业生态的核心引擎与落地成果分享	刘军	青岛智运轨道科技有限公司 总经理

会议结束

AI: 开启城轨新征程

AI: POWERING A NEW ERA FOR URBAN RAIL

论坛议程 / FORUM AGENDA

Moderator	Liu Jijian, Deputy General Manager, Qingdao Metro Group Co., Ltd.
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I. OPENING

Time	TOPIC	SPEAKERS	AFFILIATION & TITLE
09:00-09:05	Moderator's Opening Remarks and Introduction of Guests	Liu Jijian	Deputy General Manager , Qingdao Metro Group Co.,

II. THEMATIC DISCUSSIONS

Time	TOPIC	SPEAKERS	AFFILIATION & TITLE
09:05-09:25	Keynote 1: AI-Powered Development in the Urban Rail Industry	Xing Chunyang	Qingdao Metro Group Co., Ltd. Deputy Chief Engineer
09:25-09:45	Technical Exchange 1: Digital Management and Control for Rail Operation Safety	Wang Dian	Party Committee Member & Deputy General Manager, Chongqing Rail Transit Operation Co., Ltd.
09:45-10:05	Technical Exchange 2: Innovative Development of the Xiong'an New Area to Beijing Daxing International Airport Express Line	Sun Jinmin	Deputy GM, Hebei Xiong'an Rail Express Co., Ltd. & Chairman, Xiong'an Jingxiong Express Rail Co., Ltd.
10:05-10:25	Technical Exchange 3: AI-Based Intelligent O&M for Urban Rail Power Supply Systems	Zhao Hongyu	Chairman, Qingdao Urban Rail Transit Technology Co., Ltd.

Coffee Break (10:25-10:50)

10:50-11:10	Technical Exchange 4: An Independent Digital & Intelligent Foundation for the Industry's Leap Forward	Shen Guangliang	Huawei Technologies Co., Ltd. Chief Engineer of Metro Industry, China Region
11:10-11:30	Keynote 2: A New Future for Rail: Multi-Agent Architectures, Advanced Models, and Co-creating Industry Standards	Xu Xiaotian	Director of Innovative Business Technology, Beijing Urban Construction Intelligent Control Technology Co., Ltd.
11:30-11:50	Technical Exchange 5: WPS 365- A One-Stop AI Office Solution for Digital Transformation in the Rail Industry	Wu Yue	General Manager of Industry Solutions, Beijing Kingsoft Office Software Co., Ltd.

Lunch Break (11:50-14:00)

AI：开启城轨新征程

AI: POWERING A NEW ERA FOR URBAN RAIL

论坛议程 / FORUM AGENDA

Time	TOPIC	SPEAKERS	AFFILIATION & TITLE
14:00-14:20	Technical Exchange 6: Application of Core Technologies from East Lake Laboratory in Green Urban Rail	Sui Jiabin	Qingdao Metro Operation Co., Ltd. Deputy general manager
14:20-14:40	Keynote 3: Industry AI Applications Driven by Cloud, Data, and Intelligence Integration	Cheng Xuan	Vice President of Research Institute, BII Railway Transportation Technology Holdings Co., Ltd.
14:40-15:00	Keynote 4: Enhancing Operational Safety by Vitalizing Teams and Work Groups	Wang Fuqiang	Qingdao Metro Operation Co., Ltd. Safety Director
15:00-15:20	Keynote 5: Strengthening Metro Safety Defenses with Intelligent Technology	Lu Jinsheng	Guangzhou Metro Group Co., Ltd. Deputy Director of Safety Department
15:20-15:40	Technical Exchange 7: Digital Practices of DingTalk in the Rail Transit Industry in the AI Era	Xu Xiaolin	General Manager of Transportation Industry, DingTalk (China) Information Technology Co., Ltd.
15:40-16:00	Keynote 6: Reshaping Productivity: Building Enterprise-Exclusive AI Digital Employees and Intelligent Teams with "Edge-side Computing Power × Private Domain Big Data × Intelligent Agents"	Liao Yiqi	CEO, Beijing Kattegat Artificial Intelligence Technology Co., Ltd.
16:00-16:20	Technical Exchange 8: Domain-Specific LLMs + Intelligent Agents: The Core Engine Reshaping the Urban Rail Ecosystem	Liu Jun	Qingdao Zhiyun Rail Technology Co., Ltd. General Manager

End of the meeting

AI：开启城轨新征程

AI: POWERING A NEW ERA FOR URBAN RAIL

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



刘纪俭 /Liu Jijian

青岛地铁集团有限公司集团副总经理、青岛地铁运营公司董事长

Qingdao Metro Group Co., Ltd.

Deputy General Manager, Qingdao Metro Group; Chairman, Qingdao Metro Operation Co., Ltd.

刘纪俭，毕业于中南大学，现任青岛地铁集团副总经理、青岛地铁运营公司董事长。牵头制定青岛地铁《绿色城轨发展实施方案》在全国率先发布，深入实施绿色城轨九大行动，推进青岛地铁智慧城轨建设，创新实施轨道交通+人工智能行动，助力人机协同、业务融合、流程集约、共创分享的双主业现代化发展；参与推进 TACS 国家示范工程落地，TACS 项目荣获山东省企业品牌创新成果一等奖等 3 项省部级以上荣誉。

Liu Jijian A graduate of Central South University, he serves as the Deputy General Manager of Qingdao Metro Group and Chairman of Qingdao Metro Operation Co., Ltd. He spearheaded the formulation of the Green Urban Rail Development Implementation Plan, the first of its kind in China. He has been instrumental in advancing the development of Qingdao's Smart Urban Rail system, driving key programs such as the innovative "Urban Rail Transit + AI" Initiative. He also played a key role in the national demonstration project for the Train Autonomous Circumambulation System (TACS), which has earned three provincial-level honors, including a First Prize for Enterprise Brand Innovation.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



邢春阳 / Xing Chunyang

青岛地铁集团有限公司集团副总工程师，数智发展部、设备技术部部长

*Qingdao Metro Group Co., Ltd. Deputy Chief Engineer of the Group;
Director, Digital Intelligence Development & Equipment Technology Departments*

邢春阳，1999年毕业于大连交通大学，现任青岛地铁集团副总工程师，数智发展部、设备技术部部长，有丰富的数智化、绿色化规划、建设理论及实战经验。牵头《青岛市城市轨道交通智慧城轨顶层规划》及《青岛地铁数字化转型总体规划》发布，主导完成行业首个企业级数据标准编制；先后取得实用新型专利授权5项，软著授权11项，6号线TACS国家示范工程建设、BIM、智慧工地等案例、论著获得国家、省市及行业主管单位的表彰、刊发。

Xing Chunyang A 1999 graduate of Dalian Jiaotong University, Xing Chunyang currently serves as the Deputy Chief Engineer of Qingdao Metro Group and Director of the Digital Intelligence Development & Equipment Technology Departments. He possesses extensive theoretical and practical experience in planning and constructing digital, Green, and Smart systems. He led the release of the Top-Level Plan for Smart Urban Rail in Qingdao and the Overall Plan for Digital Transformation of Qingdao Metro, and directed the creation of the industry's first enterprise-level data standard. He holds 5 utility model patents and 11 software copyrights. His work on landmark projects, including the TACS National Demonstration Project for Line 6, BIM applications, and Smart Construction Sites, has received recognition and has been published by national, provincial, and industry authorities.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



王璇 /Wang Dian

重庆轨道交通运营有限公司党委委员、副总经理

Chongqing Rail Transit Operation Co., Ltd.

Member of the Party Committee & Deputy General Manager

王璇，中国城市轨道交通协会安全专业委员会副主任委员；重庆轨道交通运营有限公司党委委员、副总经理，正高级工程师；重庆市交通运输委员会安全（应急）管理专家；重庆市城乡住房建设委员会、重庆市规划和自然资源局工程类专家；重庆市人民政府轨道建设突出贡献“先进个人”。牵头搭建重庆轨道交通控制保护区智慧管控平台，推广应用无人机智能巡查，已实现巡查 170KM，累计分析巡检超 6 万公里，推送预警信息 3 万余条，已建立全国地铁最大无人机巡查规模。

Wang Dian He serves as the Deputy Director of the Safety Committee of the China Association of Metros (CAMET) and is the Deputy General Manager of Chongqing Rail Transit Operation Co., Ltd., holding the title of Professor-level Senior Engineer. Recognized as an expert by multiple municipal commissions, he was honored for his outstanding contributions to rail transit construction. He led the development of an intelligent management platform for Chongqing's rail transit protection zones and pioneered the large-scale application of autonomous drone inspections. This initiative, the most extensive of its kind in China's metro systems, covers 170 km, has analyzed over 60,000 km of inspection data, and issued more than 30,000 early warnings.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



孙晋敏 / Sun Jinmin

河北雄安轨道快线有限责任公司副总经理，雄安京雄快轨公司董事长

Xiong'an Jingxiong Express Rail Co., Ltd.

Deputy GM, Hebei Xiong'an Rail Express Co., Ltd. & Chairman

孙晋敏，正高级工程师；浙江省城市轨道交通运营管理专家；中国铁道科学研究院城市轨道交通专家；雄安雄商发展公司副总经理、河北雄安轨道快线有限责任公司副总经理，雄安京雄快轨公司董事长。

Sun Jinmin A Professor-level Senior Engineer, he is recognized as an expert in urban rail transit operations by both Zhejiang Province and the China Academy of Railway Sciences. He holds multiple leadership roles, including Deputy General Manager of Xiong'an Business Development Company, Deputy General Manager of Hebei Xiong'an Rail Transit Express Co., Ltd., and Chairman of Xiong'an-Beijing Express Rail Co., Ltd.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



赵宏宇 / Zhao Hongyu

青岛城市轨道交通科技有限公司董事长

Qingdao Urban Rail Transit Technology Co., Ltd. Chairman

赵宏宇，从业经验 20 余年，深耕城市轨道交通新线筹备、技术管理、线网管控、绿色智慧等领域。曾就职于广州地铁、苏州地铁，现就职于青岛地铁集团有限公司。连续多年获得青岛地铁集团优秀员工、优秀共产党员、安全先进个人等称号，董事会嘉奖、记功等奖项；2022 年获聘交通运输部科学研究院“城市轨道交通运营专家库”专家。

Zhao Hongyu A seasoned professional with over two decades of dedicated experience in urban rail transit, his expertise spans new line development, technical management, network control, and green intelligence. His career includes roles at Guangzhou Metro and Suzhou Metro prior to his current position at Qingdao Metro Group. He is a multi-year recipient of accolades including "Outstanding Employee" and "Safety Excellence." In 2022, he was appointed as an expert to the "Urban Rail Transit Operations Expert Database" by the China Academy of Transportation Sciences.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



沈光亮 /Shen Guangliang

华为技术有限公司中国区地铁行业总工

Huawei Technologies Co., Ltd. Chief Engineer of Metro Industry, China Region

沈光亮，2012年加入华为公司，长期从事城市轨道交通行业解决方案工作，对行业发展理解深刻。参与过上海地铁、广州地铁、深圳地铁、呼和地铁、武汉地铁、西安地铁等城轨云建设，积累丰富的行业知识。深度参与智慧城轨信息化的总体规范、技术规范、关键技术规范以及实用技术规范等，积极推动城轨信息化落地。在地铁行业需求转化和智慧城轨解决方案应用场景设计方面有深入理解。

Shen Guangliang joining Huawei in 2012, he has since focused on developing solutions for the urban rail transit industry. He has played a significant role in the development of urban rail cloud solutions for major projects, including the metro systems in Shanghai, Guangzhou, Shenzhen, Wuhan, and Xi'an. He has been deeply involved in shaping the overall technical specifications for Smart Urban Rail informatization, contributing to key standards and actively promoting their implementation and adoption across the industry.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



徐孝天 / Xu Xiaotian

北京城建智控科技股份有限公司总监

Beijing Urban Construction Intelligent Control Technology Co., Ltd. Director

徐孝天，城建智控人工智能技术总监，毕业于英国爱丁堡大学高性能计算专业。现负责公司轨道交通、建筑等大模型建设，并做为核心人员参与国家重点专项建筑工程大模型建设。曾任 IBM 中国数据与人工智能实验室首席架构师，负责 IBM 全球人工智能产品 watsonx.ai 设计研发工作。关注领域为人工智能系统架构，基于不同体系的计算加速及数值算法研究。有大量实际项目落地经验，参与研发 2012 ~ 2013 世界第一的超级计算机。

Xu Xiaotian As the AI Technology Director at Urban Construction Smart Control, he is a graduate of the University of Edinburgh with a degree in High-Performance Computing. He currently leads the development of large-scale models for the urban rail and construction sectors and was a core member of a national key project on large models for building engineering. Previously, he served as the Chief Architect at IBM's China Data and AI Lab, where he was responsible for the design and R&D of the global AI product, watsonx.ai. His research focuses on AI system architecture and computational acceleration. He was also a member of the team that developed the world's #1 supercomputer in 2012-2013.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



武岳 /Wu Yue

北京金山办公软件股份有限公司解决方案总经理

Beijing Kingsoft Office Software Co., Ltd. General Manager of Solutions

武岳，毕业于南开大学，现任金山办公解决方案负责人，拥有二十余年政企数字化领域研究和实践经验，曾服务众多世界500强企业的数字化、智能化转型项目

Wu Yue A graduate of Nankai University, he is the Head of Solutions at Kingsoft Office. With over 20 years of experience in digital transformation for the government and enterprise sectors, he has advised numerous Fortune 500 companies on their digitalization and intelligent upgrade initiatives.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



隋佳斌 /Sui Jiabin

青岛地铁运营有限公司副总经理

Qingdao Metro Operation Co., Ltd. Deputy General Manager

隋佳斌，现任青岛地铁运营有限公司副总经理、青岛地铁轨道交通智能维保有限公司董事长、青岛青铁消防科技有限公司董事长，高级工程师。长期从事城市轨道交通技术管理、设备管理、科研创新、运作管理、委外管理、智能运维等工作，牵头完成多项省级科研课题，统筹建立青岛地铁运营设备管理与能源管理制度体系，推行能耗定额指标体系和节能降碳一站一案，推动场段光伏发电和绿色城轨示范线建设。

Wu Yue He serves as the Deputy General Manager of Qingdao Metro Operation Co., Ltd., and Chairman of both Qingdao Metro Rail Transit Intelligent Maintenance Co., Ltd., and Qingdao Metro Fire Protection Technology Co., Ltd. A Senior Engineer, his work focuses on technical and equipment management, R&D, and intelligent operations. He has led several provincial-level research projects and established comprehensive management systems for equipment and energy at Qingdao Metro. He has been a key driver of energy efficiency initiatives, including the promotion of photovoltaic power generation and the development of green urban rail demonstration lines.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



程宣 /Cheng Xuan

京投轨道交通科技控股有限公司研究院副院长

BII Railway Transportation Technology Holdings Company Limited Vice President of the Research Institute

程宣，京投轨道交通科技控股有限公司研究院副院长，毕业于北京航空航天大学，获得精密仪器及机械专业博士学位。现负责公司轨道交通“数智”产品的研发和应用。曾任西门子中国研究院专家级研究员，负责中国首个数字化工厂样板车间的设计和建设工作。参与多个人工智能技术在线下智慧零售领域的应用项目研发，在智能制造、计算机视觉领域有着丰富的技术研发和应用落地经验。

Cheng Xuan As the Vice President of the Research Institute at BII Railway Transportation Technology Holdings, he holds a Ph.D. in Precision Instruments and Machinery from Beihang University. He currently oversees the R&D and application of "Digital Intelligence" products for urban rail transit. Previously, as an Expert Researcher at Siemens Corporate Technology China, he was responsible for the design and construction of China's first digital factory model workshop. He has extensive R&D and implementation experience in AI applications for smart retail, intelligent manufacturing, and computer vision.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



王福强 /Wang Fuqiang

青岛地铁运营有限公司安全总监
Qingdao Metro Operation Co., Ltd. Safety Director

王福强，青岛地铁运营公司安全总监，分管运营公司安全生产管理、班组建设等相关工作，青岛市劳动模范，连续多次获评“青岛地铁集团优秀员工”“青岛地铁十佳员工”“青岛地铁集团榜样人选”等荣誉称号。

Wang Fuqiang He is the Safety Director of Qingdao Metro Operation Co., Ltd., where he oversees safety management and team development. A recipient of the Qingdao Municipal Model Worker award, he has been repeatedly honored as an "Outstanding Employee," "Top 10 Employee," and "Role Model" of Qingdao Metro Group.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



卢锦生 /Lu Jinsheng

广州地铁集团有限公司安全质量部副部长

Guangzhou Metro Group Co., Ltd. Deputy Head of the Safety and Quality Department

卢锦生，硕士研究生，广州地铁安全质量部副部长，城市轨道交通正高级工程师，首届国家卓越工程师团队成员，2000年7月入职广州地铁，先后担任运营事业总部助理、主任、经理、副总经理等岗位，深耕城市轨道交通、安全、应急领域，参与了包括国家科技部《城市轨道交通运营重大风险防控关键技术装备研发及示范应用项目》在内的多个国家省市级科研项目，参与的项目曾获城市轨道交通科技进步奖一等奖等奖项。

Lu Jinsheng Holding a Master's degree, he is the Deputy Head of the Safety and Quality Department at Guangzhou Metro and a Professor-level Senior Engineer in urban rail transit. He is a member of the inaugural National Outstanding Engineer Team. Since joining Guangzhou Metro in 2000, he has held various leadership positions, developing deep expertise in transport operations, safety, and emergency management. He has participated in numerous national and provincial-level R&D projects, including a key Ministry of Science and Technology initiative on risk prevention. His work has been recognized with a First Prize at the Urban Rail Transit Science and Technology Progress Awards.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



徐晓林 / Xu Xiaolin

钉钉（中国）信息技术有限公司 交通行业总经理

General Manager of Transportation Industry, DingTalk (China) Information Technology Co., Ltd.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



廖翌棋 /Liao Yiqi

北京卡特加特人工智能科技有限公司 CEO

Kattgat, Inc. CEO

廖翌棋，北京卡特加特人工智能科技有限公司 CEO，教授级高工，浙江“绿谷精英” B 类引进人才，曾获城市轨道交通科技进步特等奖、广东省科技进步一等奖以及 20 余项授权发明专利，具有 10 年 + 人工智能领域研发与管理经验。

Liao Yiqi The CEO of Beijing Kattgat AI Technology, he is a Professor-level Senior Engineer and a talent introduced under Category B of the Zhejiang "Green Valley Elite" Program. His accolades include a Special Prize for Urban Rail Transit Science and Technology Progress and a First Prize for Guangdong Provincial Science and Technology Progress. With over a decade of experience in AI, he holds more than 20 invention patents.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



刘军 /Liu Jun

青岛智运轨道科技有限公司总经理

Qingdao Zhiyun Rail Technology Co., Ltd. General Manager

刘军，青岛智运轨道科技有限公司创始人、总经理，轨交行业人工智能技术应用专家，长期深耕于轨道交通行业。

Liu Jun The Founder and General Manager of Qingdao Zhiyun Rail Technology, he is a recognized expert in the application of artificial intelligence within the rail transit industry, a sector to which he has dedicated his career.

2025 CAMET 论坛 FORUM

分论坛五：

城轨绿智维保论坛

Urban Rail Transit Green, Intelligent and Maintenance Forum

论坛架构 / FORUM STRUCTURE

论坛时间: 2025年9月19日 14:00-17:20

论坛地点: 中铁青岛世界博览城 大宴会厅 1

主办单位: 中国城市轨道交通协会

承办单位: 中国城市轨道交通协会运营管理专业委员会
中国城市轨道交通协会技术装备专业委员会
北京中城轨会展有限公司

支持单位: 宜企拍

Forum Time: September 19, 2025, 14:00-17:20

Forum Venue: Grand Ballroom 1, CREC-Qingdao World Expo City

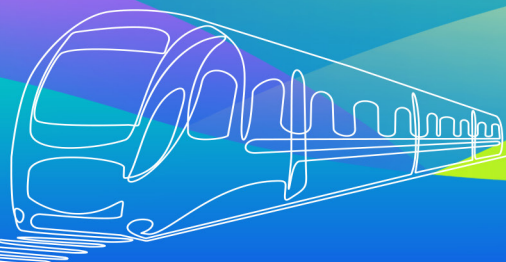
Hosted by: China Association of Metros

Organized by: Operations Management Professional Committee of the China Association of Metros

Technical Equipment Professional Committee of the China Association of Metros

Beijing Sino Urban Railway Expo Co., Ltd.

Supported by: Yiqipai



论坛议程 / FORUM AGENDA

主旨发言

时 间	发言主题	发言嘉宾	单位及职务
主持人	冯旭杰 中国城市轨道交通协会运营管理专业委员会副主任兼秘书长		
14:00-14:20	面向多专业融合的智能运维新模式实践与创新	顾正隆	上海申通地铁集团维保公司技术部经理
14:20-14:40	车站机电多专业综合 & 智能维保 (iPHMart-S) 系统和整体解决方案	陆雪忠	上海电气自动化集团有限公司副总裁
14:40-15:00	基于 AI 和大数据的轨道结构全生命周期智慧运维	黄俊飞	上海睿而维科技有限公司 CEO
15:00-15:20	基于人工智能的快速检测装备在工务维修中的应用	方树薇	北京市地铁运营有限公司线路分公司 技术与信息化管理部部长
15:20-15:40	地铁通信网络维护工作的思考	赵君超	华为技术有限公司交通系统部服务部部长
主持人	于波 中国城市轨道交通协会协会专家和学术委员会副主任		
15:40-16:00	基于数据驱动的城轨车辆智能化运维转型	隋佳斌	青岛地铁运营有限公司副总经理
16:00-16:20	数智化资源流通平台，促进城轨行业绿色高质量发展	姜成吉	宜企拍副总经理
16:20-16:40	城市轨道交通设施设备运行维护管理体系研究与应用	程泽农	交通运输部科学研究院副研究员
16:40-17:00	城市轨道交通基础设施安全运维智能监测关键技术及应用	李鑫涛	北京城建勘测设计研究院有限责任公司 智慧工程院院长

会议总结 (17:00-17:20)

城轨绿智维保论坛

URBAN RAIL TRANSIT GREEN, INTELLIGENT AND MAINTENANCE FORUM

论坛议程 / FORUM AGENDA

KEYNOTE SPEECHES

TIME	TOPIC	SPEAKER	AFFILIATION AND TITLE
Moderator	Feng Xujie, Deputy Director and Secretary-General of the Operations Management Professional Committee, China Association of Metros		
14:00-14:20	Practice and Innovation of a New Intelligent O&M Model for Multi-Disciplinary Integration	Gu Zhenglong	Manager, Technology Department, Maintenance Company, Shanghai Shentong Metro Group
14:20-14:40	The iPHMart-S System and Overall Solution for Comprehensive & Intelligent Maintenance of Multi-Disciplinary M&E Systems in Stations	Lu Xuezhong	Vice President, Shanghai Electric Automation Group Co., Ltd.
14:40-15:00	AI and Big Data-Based Smart O&M for the Full Life Cycle of Track Structures	Huang Junfei	CEO, Shanghai Real-V Technology Co., Ltd.
15:00-15:20	Application of AI-Based Rapid Inspection Equipment in Civil Engineering	Fang Shuwei	Line Branch, Beijing Mass Transit Railway Operation Corp., Ltd. Director of Technology and Information Management Department
15:20-15:40	Reflections on Metro Communication Network Maintenance	Zhao Junchao	Director, Service Department, Transportation Systems Unit, Huawei Technologies Co., Ltd
Moderator	Yu Bo Expert and deputy director of the Academic Committee of China Association of Metros		
15:40-16:00	Data-Driven Transformation of Intelligent O&M for Urban Rail Vehicles	Sui Jiabin	Deputy General Manager, Qingdao Metro Operation Co., Ltd.
16:00-16:20	A Digital and Intelligent Resource Circulation Platform to Promote Green and High-Quality Development in the Urban Rail Industry	Jiang Chengji	Deputy General Manager of YiqiPai
16:20-16:40	Research and Application of an Operation and Maintenance Management System for Urban Rail Transit Facilities and Equipment	Cheng Zenong	Associate Researcher, China Academy of Transportation Sciences
16:40-17:00	Key Technologies and Applications of Intelligent Monitoring for Safe Operation and Maintenance of Urban Rail Transit Infrastructure	Li Xintao	Beijing Urban Construction Exploration & Design Research Institute Co., Ltd. Head of Intelligent Department

Concluding Remarks 17:00-17:20

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



于波 / Yu bo

中国城市轨道交通协会专家和学术委员会副主任

Deputy director of Experts & Academic Committee of China Association of Metros

中国城市轨道交通协会专家和学术委副主任、成都轨道集团有限公司原常务副总经理、享受国务院政府特殊津贴专家、教授级高级建筑师、“中国地铁 50 年致敬人物”。

从事城轨行业近 40 年，先后主持和参与了北京、上海、广州、深圳、重庆、天津、杭州、厦门等国内几十座城市的地铁线网规划、建设规划、可研报告、重大技术方案、项目安全评估、项目开通运营条件验收等专家评审、评估；全程、全方位参与了成都市城市轨道交通从 0 公里到 500 公里的规划、设计、建设、运营筹备、运营管理等全方位的技术管理和统筹工作。

Yu bo Expert and deputy director of the Academic Committee of China Association of Metros, former executive deputy general manager of Chengdu Rail Transit Group Co., Ltd., expert enjoys special government allowances from the State Council, professor-level senior architect, and winner of the title of "Figures of the 50th Anniversary of China Metro".

With nearly 40 years of experience in the urban rail transit industry, I have successively led and participated in the expert reviews and evaluations of metro network planning, construction planning, feasibility studies, major technical solutions, project safety assessments, and project opening and operation conditions inspections for dozens of cities in China, including Beijing, Shanghai, Guangzhou, Shenzhen, Chongqing, Tianjin, Hangzhou, and Xiamen. I have also been involved in the full range of technical management and coordination work for the planning, design, construction, operation preparation, and operation management of urban rail transit in Chengdu from zero to 500 kilometers.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



冯旭杰 / Feng Xujie

交通运输部科学研究院城市交通与轨道交通研究中心总工

中国城市轨道交通协会运营管理专业委员会副主任兼秘书长

chief engineer of the Urban Transportation and Rail Transit Research Center of China Academy of Transportation Sciences, deputy director and secretary-general of the Operation Management Professional Committee of China Association of Metros.

冯旭杰，工学博士，交通运输部科学研究院城市交通与轨道交通研究中心总工，中国城市轨道交通协会运营管理专业委员会副主任兼秘书长，“城市轨道交通智慧运营”创新团队领衔专家。主要从事城市轨道交通运营管理政策制度和标准规范研究工作，参与起草 20 余项国家城市轨道交通管理政策，制修订城市轨道交通国家标准和行业标准 10 余部，先后 10 余次获得省部级以及全国性学会协会科学技术奖。

Feng Xujie, doctor of engineering, chief engineer of the Urban Transportation and Rail Transit Research Center of China Academy of Transportation Sciences, deputy director and secretary-general of the Operation Management Professional Committee of China Association of Metros, and leading expert of the Urban Rail Transit Smart Operation Innovation Team. Mainly engaged in the research of the operation and management policies, systems and standards of urban rail transit; participated in the drafting of more than 20 national urban rail transit management policies; participated in the formulation and revise of more than 10 national standards and industry standards for urban rail transit; and has won more than 10 provincial and ministerial awards and science and technology awards of national society associations.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



隋佳斌 / Sui Jiabin

青岛地铁运营有限公司副总经理

Qingdao Metro Operation Co., Ltd. Deputy General Manager Deputy General Manager

隋佳斌，现任青岛地铁运营有限公司副总经理、青岛地铁轨道交通智能维保有限公司董事长、青岛青铁消防科技有限公司董事长，高级工程师。长期从事城市轨道交通技术管理、设备管理、科研创新、运作管理、委外管理、智能运维等工作，牵头完成多项省级科研课题，统筹建立青岛地铁运营设备管理与能源管理制度体系，推行能耗定额指标体系和节能降碳一站一案，推动场段光伏发电和绿色城轨示范线建设。

Sui Jiabin is a Senior Engineer who currently serves as the Deputy General Manager of Qingdao Metro Operation Co., Ltd., Chairman of Qingdao Metro Rail Transit Intelligent Maintenance Co., Ltd., and Chairman of Qingdao Qingtie Fire Technology Co., Ltd. With a long-standing career in urban rail transit, he has focused on technical and equipment management, scientific innovation, operations, outsourcing management, and intelligent O&M. He has led several provincial-level research projects, established a comprehensive equipment and energy management system for Qingdao Metro, implemented energy consumption quotas and station-specific conservation plans, and promoted the development of depot-based photovoltaic power generation and a green urban rail demonstration line.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



顾正隆 / Gu Zhenglong

上海申通地铁集团有限公司设备数字化中心副经理

Shanghai Shentong Metro Group Co., Ltd. Deputy Manager, Equipment Digitalization Center

顾正隆，现任上海地铁维护保障有限公司设备数字化管理中心副经理，长期专注于轨道交通设施设备及信息化管理领域的研究与实践。身为中国城市轨道交通协会专家，在地铁车辆新线新车、列车架大修、延寿改造等全寿命周期管理方面积累了丰富且深厚的经验。积极开展跨专业、多专业的综合检测能力与数字化融合的实践工作，以推动企业实现数字化转型。成功构建全国首个地铁行业智慧维保体系，为城市地铁朝着智慧化、高效化方向发展提供有力支撑。

Gu Zhenglong Currently serving as the Deputy Manager of the Equipment Digitalization Management Center at Shanghai Metro Maintenance & Support Co., Ltd., he has long focused on the research and practice of rail transit facility and equipment management, as well as informatization. As an expert with the China Association of Metros, he has accumulated profound experience in the full life-cycle management of metro vehicles, including new line commissioning, overhauls, and life-extension renovations. He actively promotes the integration of multi-disciplinary comprehensive inspection capabilities with digitalization to drive the company's digital transformation. He successfully architected the nation's first smart maintenance system for the metro industry, providing powerful support for the intelligent and efficient evolution of urban metros.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



方树薇 / Fang Shuwei

北京市地铁运营有限公司线路分公司技术与信息化管理部部长

QLine Branch, Beijing Mass Transit Railway Operation Corp., Ltd.

Director of Technology and Information Management Department

方树薇，北京市地铁运营有限公司线路分公司技术与信息化管理部部长，全面负责公司科技创新管理工作。近年来，作为公司主要负责人参与北京市自然科学基金3项，内部科研课题10余项，更新改造工程技术项目20余项。研究方向主要涉及城市轨道交通轨道专业振动噪声治理技术、智能运维措施及维修策略、道岔等重点服役设备的全寿命周期管理等方面。近5年发表论文11篇，专著1部，专利11项。参编国家、地方、团体和企业标准10项。获得各种奖励多项，其中北京市轨道交通学会科技进步特等奖一项，二等奖两项，北京地铁“三八红旗手”荣誉称号。同时，被聘为北京交通大学土木建筑工程学院培养方案咨询专家、北京市工程技术系列（交通运输）高级专业技术资格评审委员会专家等。

Fang Shuwei is the Director of the Technology and Information Management Department at the Line Branch of Beijing Mass Transit Railway Operation Corp., Ltd., where she fully oversees the company's technology and innovation management. In recent years, as a key principal, she has participated in 3 projects for the Beijing Natural Science Foundation, over 10 internal research projects, and more than 20 technical renovation and upgrade projects. Her research focuses on vibration and noise control technology for urban rail tracks, intelligent O&M measures and maintenance strategies, and the full life-cycle management of key in-service equipment such as turnouts. Over the past five years, she has published 11 papers, authored 1 monograph, and secured 11 patents. She has contributed to the compilation of 10 national, local, group, and enterprise standards. She has received numerous awards, including one Special Prize and two Second Prizes for Science and Technology Progress from the Beijing Rail Transit Society, and the honorary title of "March 8th Red-Banner Holder" from Beijing Metro. Concurrently, she serves as a consulting expert for the curriculum development at the School of Civil Engineering and Architecture of Beijing Jiaotong University and as an expert on the Senior Professional and Technical Qualification Review Committee for the Engineering Technology Series (Transportation) of Beijing.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



陆雪忠 / Lu Xuezhong

上海电气自动化集团有限公司副总裁

Shanghai Electric Automation Group Co., Ltd. Vice President

陆雪忠，西安交通大学机械工程系本科毕业，研究生学历，正高级工程师。上海理工大学工程硕士，复旦大学工商管理硕士（MBA），美国亚利桑那州立大学高级工商管理硕士（EMBA）、访问学者。

二十年轨道交通行业经验，专业涉及车辆、牵引、信号、综合监控、屏蔽门、轴承、中低运量数字轨道交通，以及多专业综合 & 智能维保创新模式等多个领域。陆雪忠，西安交通大学机械工程系本科毕业，研究生学历，正高级工程师。上海理工大学工程硕士，复旦大学工商管理硕士（MBA），美国亚利桑那州立大学高级工商管理硕士（EMBA）、访问学者。

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Lu Xuezhong, a Professor-level Senior Engineer, holds a bachelor's degree in Mechanical Engineering from Xi'an Jiaotong University and a postgraduate degree. He earned a Master of Engineering from the University of Shanghai for Science and Technology, an MBA from Fudan University, and an Executive MBA from Arizona State University, where he was also a visiting scholar.

With two decades of experience in the rail transit industry, his expertise spans multiple domains, including vehicles, traction, signaling, integrated monitoring, platform screen doors, bearings, medium-to-low capacity digital rail transit, and innovative models for multi-disciplinary integrated & smart maintenance.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



黄俊飞 / Huang Junfei

上海睿而维科技有限公司 CEO

Shanghai Real-V Technology Co., Ltd. CEO

黄俊飞，上海睿而维科技有限公司 CEO，中共上海市委党校重点培育创业企业创始人和徐汇区光启人才；同济大学铁道工程专业本硕，上海交通大学 EMBA，兼任华东交通大学轨道交通基础设施性能监测与保障国家重点实验室副主任，上海工程技术大学硕士生校外导师。曾就职于上海申通地铁，专注轨道交通运行安全和减振降噪研究领域超 20 年，具有丰富的轨道结构中修、大修、抢修及振动噪声治理经验，拥有发明专利和软件著作权等 40 余项。

Huang Junfei As CEO of Shanghai Real-V Technology Co., Ltd., he is the founder of a startup fostered by the Party School of the Shanghai Municipal Committee and is recognized as a "Guangqi Talent" in Xuhui District. He holds bachelor's and master's degrees in Railway Engineering from Tongji University and an EMBA from Shanghai Jiao Tong University. He also serves as Deputy Director of the National Key Laboratory for Performance Monitoring and Assurance of Rail Transit Infrastructure at East China Jiaotong University and as an external supervisor for master's students at Shanghai University of Engineering Science. Having previously worked at Shanghai Shentong Metro, he has over 20 years of focused expertise in rail transit operational safety and vibration and noise reduction. He possesses extensive experience in track structure maintenance, overhaul, emergency repairs, and noise control, and holds over 40 invention patents and software copyrights.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



姜成吉 / Jiang Chengji

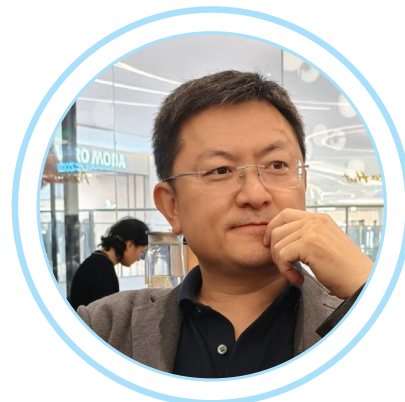
中车哈尔滨车辆有限公司双盛分公司副总经理

SCRRC Harbin Railway Vehicle Co., Ltd. Shuangsheng Branch Deputy General Manager

姜成吉，中车哈尔滨车辆有限公司双盛分公司副总经理。央企内首次提出将企业闲废资源纳入供应链管理，在中物联讲堂和采购对标和国资委改革局大讲堂中进行推广分享。主导的《基于共享理念的闲废资源物资处置服务平台建设》荣获黑龙江省管理创新成果一等奖，国家管理创新成果二等奖。以副主编身份，完成中国物资再生协会，《2024 中国再生资源绿色供应链发展报告》的编著。

Jiang Chengji, Deputy General Manager, Shuangsheng Branch, CRRC Harbin Railway Vehicle Co., Ltd. He was the first within a central state-owned enterprise to propose integrating idle and waste resources into supply chain management, a concept he has shared and promoted at forums held by the China Federation of Logistics & Purchasing and the State-owned Assets Supervision and Administration Commission's Reform Bureau. His project, "Construction of a Service Platform for the Disposal of Idle and Waste Resources Based on a Sharing Concept," won first prize for Management Innovation in Heilongjiang Province and second prize nationally. As a deputy chief editor, he co-authored the "2024 China Renewable Resources Green Supply Chain Development Report" for the China National Resources Recycling Association.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



赵君超 / Zhao Junchao

华为技术有限公司华为中国政企交通系统部交付与服务部部长

Huawei Technologies Co., Ltd. Director, Delivery and Service Unit,

Transportation Systems Department, China Enterprise Business Group, Huawei

赵君超，华为交通系统部服务部部长，从事轨道交通通信工作 18 年，参与郑州地铁 1 号线，济南地铁 R1 线，石家庄地铁 1 号线，重庆地铁环线等多条地铁线路的 LTE 网络建设和维护工作。同时负责华为公司铁路无线网络（GSM-R）建设和维护工作，参与建设的铁路线路超过 30 条，积累了丰富的工程经验和故障处理经验。

Zhao Junchao, Director of the Service Department at Huawei's Transportation Systems Unit, has 18 years of experience in rail transit communications. He has participated in the construction and maintenance of LTE networks for numerous metro lines, including Zhengzhou Metro Line 1, Jinan Metro R1 Line, Shijiazhuang Metro Line 1, and the Chongqing Metro Loop Line. He is also responsible for the construction and maintenance of Huawei's GSM-R wireless networks for railways, having contributed to over 30 railway line projects and accumulating extensive engineering and troubleshooting experience.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



程泽农 / Cheng Zenong

交通运输部科学研究院

Transportation Research Institute

程泽农, 高级工程师, 博士后, 交通运输部科学研究院。主要从事城市轨道交通运营管理相关工作, 主持中国博士后科学基金 1 项、中央级公益性科研院所基本科研业务费项目 3 项, 主研国家重点研发计划、国家自然科学基金、交通运输战略规划政策项目等省部级以上科研项目 6 项; 任《Urban Rail Transit》《华南理工大学学报》等期刊青年编委, 在国内外公开发表学术论文近 20 篇, 参编国家标准 2 项、专著 2 部。

Cheng Zenong is a Senior Engineer and postdoctoral researcher at the China Academy of Transportation Sciences. His work focuses on urban rail transit operation management. He has led one project for the China Postdoctoral Science Foundation and three basic research projects for central-level public welfare research institutes. He has also been a key researcher in six provincial-level or higher projects, including the National Key R&D Program. Serving on the youth editorial boards for journals such as Urban Rail Transit, and the Journal of South China University of Technology, he has published nearly 20 academic papers, and co-authored two national standards and two monographs.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



李鑫涛 / Li Xintao

北京城建勘测设计研究院有限责任公司智慧工程院院长

Beijing Urban Construction Exploration

Design Research Institute Co., Ltd. Head of Intelligent Department

李鑫涛，2021年6月硕士毕业，高级工程师，北京交通大学第20届MBA联合会主席，现工作于北京北京城建勘测设计研究院有限责任公司，任智慧工程院院长，先后荣获2022年度北京城建勘测设计研究院有限责任公司优秀员工；2023年度北京城建勘测设计研究院有限责任公司院长奖励基金；主要研究方向为测绘地理信息、地铁信息化等领域，主持及负责了多个地理信息管理服务平台、地铁信息化平台项目。北京市职称评审专家，北京市信息化工程评标专家库专家。

Li Xintao A Senior Engineer who graduated with a master's degree in June 2021, he served as the President of the 20th MBA Association of Beijing Jiaotong University. He is currently the President of the Smart Engineering Institute at Beijing Urban Construction Exploration & Design Research Institute Co., Ltd. He was honored as an Outstanding Employee in 2022 and received the President's Award Fund in 2023. His primary research focuses on surveying, geographic information, and metro informatization, and he has led several projects involving geographic information management service platforms and metro informatization platforms. He is an expert for the Beijing Municipal Professional Title Review Committee and a member of the expert database for Beijing's informatization project evaluations.

2025 CAMET 论坛 FORUM

分论坛六：

城市轨道交通与低空交通协同发展论坛

Collaborative Development of Urban Rail Transit and Low-Altitude Traffic

论坛架构 / FORUM STRUCTURE

论坛时间: 2025年9月19日 09:00-12:10

论坛地点: 中铁青岛世界博览城 会场2层 206会议室

主办单位: 中国城市轨道交通协会

承办单位: 中国城市轨道交通协会低空交通分会(筹)
中国铁路通信信号股份有限公司

支持单位: 交控科技股份有限公司



论坛议程 / FORUM AGENDA

主持人	王飏 中国城市轨道交通协会副秘书长
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主题发言

时间	发言主题	发言嘉宾	单位及职务
09:00-09:10	领导发言	张 君	青岛地铁集团有限公司 党委书记、董事长
09:10-09:20	分会发起单位发言	万宝华	中国铁路通信信号股份有限公司 党委常委、副总裁
09:20-09:30	领导发言	宋敏华	中国城市轨道交通协会副会长兼秘书长
09:30-09:40	院士发言	尤肖虎	中国科学院 院士
09:40-10:00	低空智能网联系统建设的几点认识	张广厚	国家发展和改革委员会综合运输研究所 技术中心副主任、副研究员
10:00-10:20	我国低空产业发展形势、现状与展望	田 野	工业和信息化部装备工业发展中心 装备研究三处副处长
10:20-10:40	城市轨道交通与低空交通协同发展的思考	邢 毅	通号城市轨道交通技术有限公司 党委书记、董事长
10:40-10:55	青岛地铁轨道与低空融合发展探索与实践	芦睿泉	青岛地铁集团有限公司，副总经理
10:55-11:10	深圳地铁发展轨道 + 低空物流探索与实践	黄力平	深圳市地铁集团有限公司 总经理
11:10-11:25	AI 与低空经济新质交融，构建“低空 + 轨道”协同发展生态	郜春海	中国城市轨道交通协会副会长 交控科技股份有限公司董事长
11:25-11:40	拓展轨交 + 低空多元场景 探索降本 + 增效新质路径	赵玥珑	无锡地铁集团有限公司 党委委员、副总裁
11:40-11:55	合肥轨道低空经济探索与思考	戴 融	合肥市轨道交通集团 科创处处长
11:55-12:10	多源信息智能融合技术及其在无人机探测中的应用	高美静	北京理工大学集成电路与电子学院，智能 电子信息系统研究所副所长

会议结束

城市轨道交通与低空交通协同发展

COLLABORATIVE DEVELOPMENT OF URBAN RAIL TRANSIT AND LOW-ALTITUDE TRAFFIC

论坛议程 / FORUM AGENDA

Moderator	Wang Biao, Deputy Secretary-General, China Association of Metros
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Keynote Speeches

TIME	TOPICS	SPEAKERS	AFFILIATION AND TITLE
09:00-09:10	Leadership Address	Zhang Jun	Secretary of the Party Committee and Chairman, Qingdao Metro Group Co., Ltd.
09:10-09:20	Address by the Branch Initiator	Wan Baohua	Member of the Standing Committee of the Party Committee and Vice President, China Railway Signal & Communication Corporation Limited
09:20-09:30	Leadership Address	Song Minhua	Vice President and Secretary-General, China Association of Metros
09:30-09:40	Academician's Address	You Xiaohu	Academician, Chinese Academy of Sciences
09:40-10:00	Key Considerations for Establishing Low-Altitude Intelligent and Connected Systems	Zhang Guanghou	Deputy Director and Associate Researcher, Technology Center, Institute of Comprehensive Transportation, National Development and Reform Commission
10:00-10:20	The Development Situation, Current Status, and Outlook of China's Low-Altitude Industry	Tian Ye	Deputy Director, Equipment Research Division III, Equipment Industry Development Center, Ministry of Industry and Information Technology
10:20-10:40	Reflections on the Synergistic Development of Urban Rail Transit and Low-Altitude Transportation	Xing Yi	Secretary of the Party Committee and Chairman, CRSC Urban Rail Transit Technology Co., Ltd.
10:40-10:55	Exploration and Practice of Integrated Rail and Low-Altitude Development at Qingdao Metro	Lu Ruiquan	Deputy General Manager, Qingdao Metro Group Co., Ltd.
10:55-11:10	Exploration and Practice of Developing "Rail + Low-Altitude" Logistics at Shenzhen Metro	Huang Liping	General Manager, Shenzhen Metro Group Co., Ltd.
11:10-11:25	The New Fusion of AI and the Low-Altitude Economy: Building a Synergistic "Low-Altitude + Rail" Development Ecosystem	Gao Chunhai	Vice President, China Association of Metros & Chairman, TCT Co., Ltd.
11:25-11:40	Exploration and Reflections on the Low-Altitude Economy at Hefei Rail Transit	Dai Rong	Director, Science and Technology Innovation Department, Hefei Rail Transit Group
11:40-11:55	Expanding "Rail + Low-Altitude" Multi-Scenario Applications: Exploring New Paths for Cost Reduction and Efficiency Enhancement	Zhao Yuelong	Member of the Party Committee and Vice President, Wuxi Metro Group Co., Ltd.
11:55-12:10	Multi-Source Information Intelligent Fusion Technology and Its Application in Drone Detection	Gao Meijing	

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



尤肖虎 / You Xiaohu

中国科学院 院士

Academician, Chinese Academy of Sciences

尤肖虎，中国科学院院士、通信学专家，目前担任东南大学移动通信全国重点实验室主任，紫金山实验室主任兼任首席科学家，鹏程实验室副主任，未来移动通信论坛副理事长兼秘书长，领衔实施国家 863 计划及国家重点研发计划 3G、4G、5G 和 6G 研究，主持我国宽带移动通信发展战略研究。获国家技术发明一等奖 1 项，国家科技进步二等奖 1 项，省部级科技进步一等奖 5 项，发表国际 IEEE 等 SCI 论文 60 余项，出版著作 2 部，荣获国家有突出贡献中青年专家、全国五一劳动奖章、陈嘉庚科学奖、“时代楷模”、科学中国年度人物、全国杰出专业技术人才、江苏省青年科学家等荣誉称号。

You Xiaohu, an Academician of the Chinese Academy of Sciences and a communications expert, currently serves as Director of the National Mobile Communications Research Laboratory at Southeast University. He is also the Director and Chief Scientist of Purple Mountain Laboratories, Deputy Director of Peng Cheng Laboratory, and Vice Chairman & Secretary-General of the FuTURE Forum. He leads the research and implementation of 3G, 4G, 5G, and 6G projects under the National 863 Program and the National Key R&D Program, and directs the strategic research on China's broadband mobile communication development. He has received one First Prize of the National Technology Invention Award, one Second Prize of the National Science and Technology Progress Award, and five first-prize provincial/ministerial-level science and technology awards. He has published over 60 SCI papers in international journals such as IEEE and has authored two books. His numerous honors include "National Young and Middle-aged Expert with Outstanding Contributions", the "National May 1st Labor Medal", the "Tan Kah Kee Science Award", "Model of the Times", "Scientific Chinese of the Year", "National Outstanding Professional and Technical Talent", and "Jiangsu Provincial Young Scientist".

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



张广厚 / Zang Guanghou

国家发展和改革委员会综合运输研究所技术中心主任、副研究员

*Deputy Director and Associate Researcher, Technology Center,
Institute of Comprehensive Transportation Center, Institute of Comprehensive*

张广厚，国家发改委综合运输研究所交通运输技术发展研究中心副主任、副研究员。主要从事低空经济、都市圈及城市群交通等领域战略与规划研究、智能交通政策与交通大数据应用研究。作为主要成员，参与低空经济、低空基础设施以及十三五、十四五、十五五现代综合交通运输体系规划、京津冀协同发展交通一体化规划、长江三角洲地区交通运输更高质量一体化发展规划等多项国家部委发展规划和重要文件起草工作。

Zhang Guanghou, Deputy Director and Associate Research Fellow at the Transportation Technology Development Research Center, Institute of Comprehensive Transportation, National Development and Reform Commission (NDRC). His work primarily focuses on strategic and planning research in fields such as the low-altitude economy, metropolitan and urban cluster transportation, intelligent transportation policy, and the application of big data in transport. As a key member, he has contributed to the drafting of numerous national development plans and important documents, including those for the low-altitude economy and its infrastructure, the 13th, 14th, and 15th Five-Year Plans for a modern comprehensive transportation system, the Beijing-Tianjin-Hebei coordinated transportation integration plan, and the plan for higher-quality integrated transportation development in the Yangtze River Delta region.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



田野 / Tian Ye

工业和信息化部装备工业发展中心装备研究三处副处长

Deputy Director, Equipment Research Division III, Equipment Industry Development Center, Ministry of Industry and Information Technology

田野，工业和信息化部装备工业发展中心装备研究三处副处长，高级工程师，长期从事低空产业、民用航空、重大技术装备等领域工作，同时担任工信部低空产业联盟常务副秘书长、《中国民用航空工业年鉴》主编。

Tian Ye is the Deputy Director of the Third Research Division and a Senior Engineer at the Equipment Industry Development Center, Ministry of Industry and Information Technology (MIIT). He has long-term experience in the low-altitude industry, civil aviation, and major technological equipment, and also serves as the Executive Deputy Secretary-General of the MIIT Low-Altitude Industry Alliance and Editor-in-Chief of the Yearbook of China's Civil Aviation Industry.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



宋敏华 / Song Minhua

中国城市轨道交通协会副会长

北京交通大学兼职教授博士生导师

*Vice President and Secretary-General of China Association of Metros
part-time professor and doctoral supervisor of Beijing Jiaotong University and Tongji University*

宋敏华，教授级高工，北京交通大学 兼职教授、博士生导师，同济大学兼职教授。从事我国城轨交通规划、设计、管理工作36年。1983.7-1987.12 上海市隧道设计研究院；1987.12-1999.2 北京城建设计研究院；历任北京城建勘测设计研究院院长；北京城建设计研究总院院长；北京城建集团副总工程师；2011.10 至今 中国城市轨道交通协会 副会长兼秘书长。

Song Minhua, Professor-level senior engineer, part-time professor and doctoral supervisor of Beijing Jiaotong University and Tongji University. Has been engaged in the planning, design and management of urban rail transit in China for 36 years. July 1983 - December 1987 Shanghai Tunnel Engineering & Rail Transit Design and Research Institute; December 1987 - February 1999 Beijing Urban Construction Design and Research Institute; Served as president of Beijing Urban Construction Exploration and Surveying Design Research Institute; President of Beijing Urban Construction Design and Research Institute; 2011.10 - present Vice president and secretary-general of China Association of Metros.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



张君 / Zhang Jun

青岛地铁集团有限公司正高级工程师党委书记、董事长

Qingdao Metro Group Co.,Ltd.Professorate Senior EngineerCPC Secretary,Board Chairman

张君，青岛地铁集团党委书记、董事长，正高级工程师，山东省政协委员，青岛市政协委员。管理的项目曾获国优金奖、鲁班奖、詹天佑奖等；主持完成国家示范工程“列车自主运行系统（TACS）项目”；创新以民主管理为核心的班组建设新模式，获全国国企管理创新一等奖、交通运输行业基层党建优秀案例；组织中等规模城轨绿色创建示范工程、“轨道交通+人工智能”1124N行动等重点项目；牵头成立青岛市人工智能场景创新联盟、发布我国首个城市轨道交通行业人工智能大模型；牵头成立青岛市低空经济联盟，编制全国首个“轨道交通+低空经济”融合发展规划；曾获山东省科学技术奖、青岛市五一劳动奖章等荣誉。

Zhang Jun, CPC Secretary and Board Chairman of Qingdao Metro Group, is a Professorate Senior Engineer. He serves as a committee member of the Shandong Provincial Committee of the Chinese People's Political Consultative Conference (CPPCC) and the Qingdao Municipal Committee of the CPPCC. Projects under his management have received national honors including the National Quality Gold Award, Luban Award, and Zhan Tianyou Award. He presided over the completion of the national demonstration project "Train Autonomous Circumambulation System (TACS) Program". He innovated a new team building model centered on democratic management, winning the National State-Owned Enterprise Management Innovation First Prize and an excellent grassroots party building case award in the transportation industry. He has organized key projects such as the medium-scale urban rail green creation demonstration project and the "Rail Transit + Artificial Intelligence" 1124N Initiative. He led the establishment of the Qingdao Artificial Intelligence Scenario Innovation Alliance and released China's first large AI model for the urban rail transit industry. He also led the establishment of the Qingdao Low-Altitude Economy Alliance and compiled the nation's first integrated development plan for "Rail Transit + Low-Altitude Economy". His honors include the Shandong Provincial Science and Technology Award and the Qingdao May 1st Labor Medal.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



黄力平 /Huang Liping

深圳市地铁集团有限公司 总经理

General Manager, Shenzhen Metro Group Co., Ltd.

黄力平，现任深铁集团党委副书记、董事、总经理。同济大学岩土工程专业工学硕士，教授级高级工程师。长期致力于轨道交通技术研究、科技攻关、标准制定和工程管理，做出了卓有成效的贡献。负责国家级、省部级重点工程和关键技术项目，获得国家、省、市、协会科技进步奖、中国土木工程詹天佑奖、国家优质工程奖、国家安全生产监督管理总局科技成果奖、国际隧道协会年度工程提名奖等；出版专著 5 部，发明专利 6 项，发表论文 30 余篇。

Huang Liping currently serves as the Deputy Party Secretary, Director, and General Manager of Shenzhen Metro Group Co., Ltd. (SZMC). He is a Professor-level Senior Engineer and holds a Master of Engineering in Geotechnical Engineering from Tongji University. He has long been dedicated to technical research, key technology development, standard formulation, and engineering management in the rail transit sector, making highly effective contributions. He has been in charge of national and provincial/ministerial-level key engineering and technology projects, earning accolades such as national, provincial, municipal, and association-level science and technology progress awards; the Tien-yow Joh Civil Engineering Prize; the National Quality Engineering Award; the State Administration of Work Safety's Sci-Tech Achievement Award; and a nomination for the International Tunnelling Association's Project of the Year Award. He has also published 5 books, holds 6 invention patents, and has authored over 30 papers.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



万宝华 /Wan Baohua

中国铁路通信信号集团有限公司党委常委、副总裁

Member of the Party Committee and Vice President of China Railway Signal & Communication Corporation Limited

万宝华先生 现任中国铁路通信信号集团有限公司党委常委、副总裁，高级工程师。2021年8月至2022年5月，任股份公司运营事业部（市场部、工程部、国际合作部、交通战备办公室）总经理。2020年4月至2021年9月任通号工程局集团有限公司党委书记、董事长。中国铁路通信信号股份有限公司天津工程分公司总经理，中国铁路通信信号股份有限公司北京工程分公司总经理。2016年3月至2020年4月历任中国铁路通信信号上海工程局集团有限公司党委副书记、董事、总经理、党委书记、董事长（其间：2017年9月在上海浦东干部学院参加中央企业创新发展专题研讨班学习）。2014年10月至2016年3月历任中国铁路通信信号股份有限公司电气化工程部副部长、通号（郑州）电气化局有限公司副总经理。2014年8月至2014年10月任北京全路通信信号研究设计院有限公司高级工程师。2004年7月至2014年8月历任中铁二十五局集团电务工程有限公司副总经理、党委委员、高级工程师、副董事长、总经理、党委副书记、执行董事（法定代表人）。1995年7月至2004年7月历任广州铁路长沙电务工程公司助理工程师、通信技术部部长、副经理。

万先生毕业于湖南大学电气工程系电子工程专业，获工学学士学位。万先生为高级工程师。

Mr. Wan Baohua is currently a Member of the Standing Committee of the Party Committee and Vice President of China Railway Signal & Communication Corporation Limited (CRSC), holding the professional title of Senior Engineer. From August 2021 to May 2022, he served as General Manager of the Operations Division (encompassing the Market Department, Engineering Department, International Cooperation Department, and Transportation Readiness Office) of the listed company. Between April 2020 and September 2021, he held the positions of Party Committee Secretary and Chairman of the Board at CRSC Engineering Group Co., Ltd., while concurrently serving as General Manager of both CRSC Tianjin Engineering Branch and CRSC Beijing Engineering Branch. From March 2016 to April 2020, he progressed through roles at CRSC Shanghai Engineering Group Co., Ltd., including Deputy Party Committee Secretary, Director, General Manager, Party Committee Secretary, and Chairman of the Board (during which he attended the Innovation and Development Seminar for Central Enterprises at the China Executive Leadership Academy in Pudong in September 2017). Between October 2014 and March 2016, he served as Deputy Director of the Electrification Engineering Department of CRSC and Deputy General Manager of CRSC (Zhengzhou) Electrification Co., Ltd. From August to October 2014, he worked as a Senior Engineer at Beijing National Railway Research & Design Institute of Signal & Communication Co., Ltd. During July 2004 to August 2014, he advanced through multiple roles at China Railway 25th Bureau Group Electric Engineering Co., Ltd., including Deputy General Manager, Party Committee Member, Senior Engineer, Vice Chairman, General Manager, Deputy Party Committee Secretary, and Executive Director (Legal Representative). His career began in July 1995 at Guangzhou Railway Changsha Signaling & Communication Engineering Company, where he served as Assistant Engineer, Director of Communication Technology Department, and Deputy Manager until July 2004. Mr. Wan graduated from the Department of Electrical Engineering at Hunan University with a Bachelor of Engineering degree in Electronic Engineering.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



郜春海 / Gao Chunhai

交控科技股份有限公司 / 轨道交通运行控制系统国家工程研究中心董事长 / 理事长
TCT/RTOC Chairman of the Board/Director-General

郜春海，正高级工程师，交控科技股份有限公司（股票代码：688015）董事长，中国城市轨道交通协会副会长，中国上市公司协会副会长，轨道交通运行控制系统国家工程研究中心理事长。我国全自动无人驾驶技术的提出者和践行者，我国互联互通研究和示范的技术总牵头人，新一代智慧城轨的先行者。1993年至今，一直从事轨道交通列车运行控制系统的科学研究与产业化工作，带领团队解决制约我国该领域几十年“卡脖子”问题，实现了中国轨道交通信号系统从“无”到“有”，再到逐步世界领先的华丽蜕变！荣获国家科技进步二等奖、北京市科学技术一等奖等多项科技奖项，被评选为国家级百千万人才、“万人计划”科技领军人才、全国劳动模范等，荣膺“中国地铁50年致敬人物”，享受国务院政府特殊津贴。

Gao Chunhai, Senior Engineer, Chairman of Traffic Control Technology Co., Ltd. (stock code: 688015), Vice President of China Association of Metros, Vice President of China Association for Public Companies & Chairman of the National Engineering Research Center for Rail Transit Operation Control System. The initiator and practitioner of China's fully automatic unmanned driving technology, the overall leader of research and demonstration on interconnection and intercommunication, and a pioneer of the new generation of intelligent urban rail. Since 1993, he has been engaged in scientific research and industrialization of train operation control systems for urban rail transit. Leading a team, he has solved the "bottleneck" problem that has constrained this field in China for decades, achieving a magnificent transformation from "no" to "existing" and gradually leading the world in China's rail transit signaling system! He has been awarded the National Science and Technology Progress Award (Second Class), Beijing Science and Technology Award (First Class), and other science and technology awards. He has been selected as a national-level talent and a leading figure in the "Ten Thousand Talents Program" for science and technology. He has been honored as a national model worker and recognized as one of the "50-year Tribute Figures in China's Subway". He enjoys a special government allowance from the State Council.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



芦睿泉 /Lu Ruiquan

青岛地铁集团有限公司副总经理

Qingdao Metro Group Co., Ltd. Deputy General Manager

芦睿泉，自 2023 年 6 月 30 日起任青岛地铁集团有限公司副总经理，分管轨道交通计划统筹、技术创新、标准规范、铁路投资、低空经济，及 7 号线二期、15 号线建设工作。获奖荣誉：

- 1.2025 年北京市轨道交通学会科技进步二等奖；
- 2.2024 年获山东省技术发明奖一等奖；
- 3.2021 年获山东省科技进步奖二等奖；
- 4.2022 年及 2018 年青岛市科技进步奖二等奖；
5. 获第十五届詹天佑奖。

Lu Ruiquan Appointed Deputy General Manager of Qingdao Metro Group on June 30, 2023, Lu Ruiquan's portfolio includes strategic planning, technological innovation, standards, and railway investment for rail transit. He also directs the construction of Line 7 (Phase II) and Line 15 and oversees initiatives in the low-altitude economy. Awards and Honors:

1. Second Prize, 2025 Beijing Municipal Rail Transit Society Science and Technology Progress Award;
2. First Prize, 2024 Shandong Provincial Technical Invention Award;
3. Second Prize, 2021 Shandong Provincial Science and Technology Progress Award;
4. Second Prize, 2022 and 2018 Qingdao Municipal Science and Technology Progress Award;
5. Recipient of the 15th China Civil Engineering Jeme Tien-Yow Award.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



邢毅 /Xing Yi

通号城市轨道交通技术有限公司党委书记、董事长

Secretary of the Party Committee and Chairman, CRSC Urban Rail Transit Technology Co., Ltd.

邢毅，中共党员，正高级工程师，兰州交通大学毕业，中南大学博士学位。现任通号城市轨道交通技术有限公司党委书记、董事长。曾主持通号（北京）轨道工业集团有限公司经理层工作，担任北京全路通信信号研究设计院集团有限公司总经理。主要从事轨道交通列车运行控制系统研究工作，曾负责多个行业系统标准和设备技术规范的研究和制定。曾荣获北京市优秀青年工程师、铁道工程师、火车头奖章、茅以升科学技术奖等荣誉称号。带领科研团队获得 10 余项省部级科学技术奖，是轨道交通领域入库科技专家。

Xing Yi, a member of the CPC, is a Professor-level Senior Engineer who graduated from Lanzhou Jiaotong University and holds a Ph.D. from Central South University. He currently serves as the Party Secretary and Chairman of CRSC Urban Rail Transit Technology Co., Ltd.

Previously, he directed the management of CRSC (Beijing) Rail Industry Group Co., Ltd., and served as the General Manager of the China Railway Signal & Communication Research & Design Institute Group Co., Ltd. His primary work involves research on train operation control systems for urban rail transit, and he has been responsible for the research and formulation of multiple industry system standards and technical equipment specifications. He has been awarded honorary titles such as “Beijing Outstanding Young Engineer”, “Railway Engineer”, the “Huochetou Medal”, and the “Mao Yisheng Science and Technology Award”. He has led his research teams to win over 10 provincial and ministerial-level science and technology awards and is a recognized technology expert in the rail transit field.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



赵玥珑 / Zhao Yuelong

无锡地铁集团有限公司党委委员、副总裁

Member of the Party Committee and Vice President, Wuxi Metro Group Co., Ltd.

赵玥珑，无锡地铁集团有限公司党委委员、副总裁。分管集团资源经营板块，积极推动无锡地铁多元融合、多元经营。聚焦低空经济等新质领域，指导集团相关子企业积极拓展无人机在巡检等多场景应用，通过资源整合与创新经营，显著提升了轨道交通的产业协同效能。

Zhao Yuelong, Member of the Party Committee and Vice President of Wuxi Metro Group Co., Ltd. She oversees the Group's resource management and business operations, actively promoting diversified and integrated business development for Wuxi Metro. Focusing on new-quality fields such as the low-altitude economy, she guides the Group's subsidiaries in expanding the use of drones for inspections and other applications. Through resource integration and innovative business models, she has significantly enhanced the industrial synergy and efficiency of the rail transit system.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



高美静 / Gao Meijing

北京理工大学集成电路与电子学院，智能电子信息系统研究所副所长

高美静，工学博士，北京理工大学集成电路与电子学院，智能电子信息系统研究所副所长，教授 / 博导，研究方向为光电成像理论与技术、图像与视频处理技术、目标检测、识别与跟踪。主持国家重点研发计划课题 1 项、国家自然科学基金项目 3 项、省部级项目 5 项、厅局级项目 4 项。以第一完成人获省部级技术发明二等奖 1 项。申报国家发明专利 15 项，授权 7 项，发表 SCI/EI 论文 50 余篇。现为国家自然科学基金评审专家、省科学技术奖评议专家，中国光学学会高级会员，国内外重要期刊审稿人。

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



戴融 /Dai Rong

合肥市轨道交通集团 科创处处长

Director, Science and Technology Innovation Department, Hefei Rail Transit Group

戴融，合肥市轨道交通集团科创处处长。负责统筹集团科技创新工作，深度参与多条轨道交通线路建设，在轨交自动化、电力电子技术、模式识别与智能系统等方面有较为丰富的建设经验。牵头了合肥轨道地铁保护区低空智能巡检系统试点项目，该项目于2024年11月1日通过专家评审，获主流媒体报道，并成功斩获安徽省科技厅评选的“2024年安徽省十大标杆场景”荣誉，为轨交领域的智能化巡检提供了可借鉴、可推广的“合肥方案”。

Dai Rong, Director of the Science and Technology Innovation Department at Hefei Rail Transit Group Co., Ltd. She is responsible for coordinating the Group's science and technology innovation efforts and has been deeply involved in the construction of multiple rail transit lines, possessing extensive experience in rail transit automation, power electronics technology, and pattern recognition and intelligent systems. She led the pilot project for a low-altitude intelligent inspection system for Hefei Metro's protection zones. The project passed expert review on November 1, 2024, was reported by major media, and won the "2024 Top 10 Benchmark Scenarios in Anhui Province" award from the provincial Department of Science and Technology, providing a replicable and scalable "Hefei model" for intelligent inspection in the rail transit sector.

分论坛七：

“十五五”城轨交通人才培养再出发

第一阶段：《城市轨道交通“十五五”人才培养规划》专场

*The urban rail transportation talent cultivation under the “Fifteenth Five-Year Plan” takes off again
Phase I: “15th Five-Year Plan” Planning Session*

论坛架构 / FORUM STRUCTURE

论坛时间: 2025年9月19日 09:00-12:30

论坛地点: 中铁青岛世界博览城 N4 馆文化教育与人才展区 (N4307)

主办单位: 中国城市轨道交通协会

承办单位: 中国城市轨道交通协会文化和培训部、文化工作委员会、运营管理专业委员会

协办单位: 青岛地铁集团有限公司

支持单位: 青岛市技师学院

Forum Time: 09:00-12:30, September 19, 2025

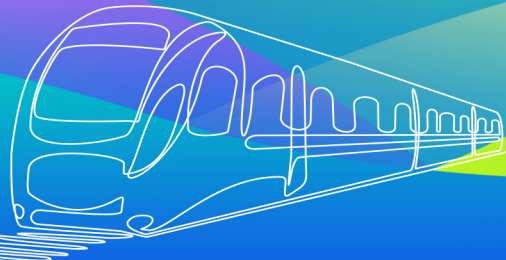
Forum Venue: Culture, Education, and Talent Themed Exhibition Area (N4307), N4 Pavilion, CREC-Qingdao World Expo City

Hosted by: China Association of Metros (CAMET)

Organized by: Culture and Training Department, Cultural Work Committee, and Operations Management Professional Committee
of the China Association of Metros

Co-organized by: Qingdao Metro Group Co., Ltd.

Supported by: Qingdao Technician College



论坛议程 / FORUM AGENDA

主持人	刘婷婷 青岛地铁集团有限公司运营分公司党群工作部品牌文化岗、企业培训师 王进展 青岛市技师学院轨道交通学院专业教师
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一、主旨发言暨成果发布

时 间	发言主题	发言嘉宾	单位及职务
09:00-09:15	《城市轨道交通企业人力资源 2024 年统计分析报告》发布与解读	周泽岩	中国城市轨道交通协会 文化和培训部副主任
09:15-09:30	《城市轨道交通“十五五”人才培养规划》阶段性成果发布与解读	夏紫菱	协会“十五五”人才培养规划课题组 南京地铁集团有限公司人力资源部主管

二、职称评审政策宣讲

时 间	发言主题	发言嘉宾	单位及职务
09:30-09:50	城市轨道交通专业职称评审政策宣讲	杨广武	中国城市轨道交通协会专家学术委员会副主任 职称评审委员会主任

三、主题演讲暨成果展演

时 间	发言主题	发言嘉宾	单位及职务
09:50-10:05	以“三位一体”系统推进路径为引领 构建智慧培训新生态	陈 磊	青岛地铁集团有限公司 运营分公司培训管理部副经理
10:05-10:20	广州地铁干部梯队培养实践	何世财	广州地铁集团有限公司党校（大学）执行校长
10:20-10:35	青年经济驱动下地铁人才运营的商业转型路径 与实践研究	李 勇	苏州市轨道交通集团有限公司人力资源总监
10:35-10:50	城市轨道交通企业经营性人才队伍建设探索与实践	刘 丹	无锡地铁集团有限公司组织人事部部长

“十五五”城轨交通人才培养再出发

第一阶段：《城市轨道交通“十五五”人才培养规划》专场

THE URBAN RAIL TRANSPORTATION TALENT CULTIVATION UNDER THE “FIFTEENTH FIVE-YEAR PLAN” TAKES OFF AGAIN
PHASE I: “15TH FIVE-YEAR PLAN” PLANNING SESSION

论坛议程 / FORUM AGENDA

时 间	发言主题	发言嘉宾	单位及职务
10:50-11:05	以产教评技能生态链 推动城市轨道交通人才供给精准适配	朱 波	大连公共交通建设投资集团有限公司 人力资源培训分公司书记、总经理
11:05-11:25	全球化与“一带一路”背景下城轨交通企业海外 人才培养合作项目研究	郎艳梅 陈民武	深圳市地铁集团有限公司 现代有轨电车公司董事长 西南交通大学继续教育学院院长
11:25-11:40	城轨交通智慧实训基地全域数智化升级与效能倍增	付旭东	北京恒诺尚辰科技有限公司总经理
11:40-11:55	产教融合视域下轨道交通数智化高技能人才培养 模式创新与实践	孙燕燕	青岛市技师学院轨道交通学院院长

四、圆桌讨论暨开放交流

11:55-12:30	讨论话题： 人才筑基·智创未来——“十五五”城轨交通人才培养再出发		
会议结束			

“十五五”城轨交通人才培养再出发

第一阶段：《城市轨道交通“十五五”人才培养规划》专场

THE URBAN RAIL TRANSPORTATION TALENT CULTIVATION UNDER THE “FIFTEENTH FIVE-YEAR PLAN” TAKES OFF AGAIN
PHASE I: “15TH FIVE-YEAR PLAN” PLANNING SESSION

论坛议程 / FORUM AGENDA

Moderators	Liu Tingting, Brand Culture Specialist & Corporate Trainer, Party and Public Affairs Department, Qingdao Metro Operation Wang Jinzhan, Professional Teacher, School of Rail Transit, Qingdao Technician College
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I. KEYNOTE SPEECHES & ACHIEVEMENT RELEASES

DATE	TOPICS	SPEAKERS	AFFILIATION & TITLE
09:00-09:15	Presentation and Analysis: The 2024 Statistical Report on Human Resources in Urban Rail Transit	Zhou Zeyan	China Association of Metros Deputy Director, Culture and Training Department
09:15-09:30	Progress Update: The “15th Five-Year Plan” for Urban Rail Transit Talent Development	Xia Ziling	“15 th Five-Year Plan” Talent Development Task Force of the Association Nanjing Metro Group Co., Ltd. Supervisor, Human Resources Department

II. POLICY BRIEFING ON PROFESSIONAL TITLE ASSESSMENT

DATE	TOPIC	SPEAKERS	AFFILIATION & TITLE
09:30-09:50	Briefing on the Professional Title Assessment Policy for the Urban Rail Transit Sector	Yang Guangwu	China Association of Metros Deputy Director, Expert and Academic Committee Director, Professional Title Assessment Committee

III. THEMATIC SPEECHES & CASE STUDIES

DATE	TOPIC	SPEAKERS	AFFILIATION & TITLE
09:50-10:05	Building a New Smart Training Ecosystem: Guided by a “Trinity” System Approach	Chen Lei	Qingdao Metro Group Co., Ltd. Deputy Manager, Training Management Department, Operations Branch
10:05-10:20	Developing Future Leaders: Practices in Cadre Echelon Training at Guangzhou Metro	He Shicai	Guangzhou Metro Group Co., Ltd. Executive President, Party School (University)
10:20-10:35	Youth Economy-Driven Transformation: A Study on the Commercial Transition of Metro Talent Operations	Li Yong	Director of Human Resources, Suzhou Rail Transit Group Co., Ltd.

“十五五” 城轨交通人才培养再出发

第一阶段：《城市轨道交通“十五五”人才培养规划》专场

THE URBAN RAIL TRANSPORTATION TALENT CULTIVATION UNDER THE “FIFTEENTH FIVE-YEAR PLAN” TAKES OFF AGAIN
PHASE I: “15TH FIVE-YEAR PLAN” PLANNING SESSION

论坛议程 / FORUM AGENDA

DATE	TOPIC	SPEAKERS	AFFILIATION & TITLE
10:35-10:50	Building a Business-Oriented Talent Pool: Explorations and Practices in Urban Rail Transit Enterprises	Liu Dan	Wuxi Metro Group Co., Ltd. Director, Organization and Human Resources
10:50-11:05	Fostering a Precision-Matched Talent Supply: Building a Skills Ecosystem that Integrates Industry, Education, and Evaluation	Zhu Bo	Dalian Public Transport Construction Investment Group Co., Ltd. Secretary and General Manager, Human Resources Training Branch
11:05-11:25	Global and Belt & Road Initiatives: A Study on Cooperative Programs for Overseas Talent Development in Urban Rail Enterprises	Lang Yanmei Chen Minwu	Shenzhen Metro Group Co., Ltd. Chairman, Modern Tram Company Southwest Jiaotong University Dean, School of Continuing Education
11:25-11:40	Multiplying Effectiveness: The Comprehensive Digital and Intelligent Upgrade of Smart Training Bases for Urban Rail Transit	Fu Xudong	General Manager, Beijing Hengnuo Shangchen Technology Co., Ltd.
11:40-11:55	Industry-Education Integration: Innovations in a Digital and Intelligent Training Model for High-Skilled Rail Transit Talent	Sun Yanyan	Qingdao Technician College Dean, School of Rail Transit
IV. Roundtable Discussion & Open Exchange			
11:55-12:30	Roundtable Theme: Talent as the Foundation for an Intelligent Future: A Renewed Start for Talent Development in the “15th Five-Year Plan”		
End of Session			

“十五五”城轨交通人才培养再出发

第一阶段：《城市轨道交通“十五五”人才培养规划》专场

THE URBAN RAIL TRANSPORTATION TALENT CULTIVATION UNDER THE “FIFTEENTH FIVE-YEAR PLAN” TAKES OFF AGAIN
PHASE I: “15TH FIVE-YEAR PLAN” PLANNING SESSION

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



杨广武 / Yang Guangwu

中国城市轨道交通协会专家学术委员会副主任、职称评审委员会主任

“十五五”城轨交通人才培养再出发 第一阶段 《城市轨道交通“十五五”人才培养规划》专场

Vice Director of the Expert and Academic Committee and Director of the Professional Title Evaluation Committee, China Association of Metros The Urban Rail Transportation Talent Cultivation under the “15th Five-Year Plan” Takes Off Again

Phase I: Special Session on the “15th Five-Year Plan” for Urban Rail Transit Talent Cultivation

杨广武，教授级高级工程师，现任中国城市轨道交通协会专家委员会副主任、北京市轨道交通学会常务副会长、北京市职称评审专家等，曾任北京市重大项目建设指挥部办公室总工程师。

Yang Guangwu, a Professor-level Senior Engineer, currently serves as the Vice Director of the Expert Committee of the China Association of Metros, Executive Vice President of the Beijing Institute of Railway, and an expert on the Beijing Professional Title Evaluation Committee. He was formerly the Chief Engineer of the Beijing Major Projects Construction Headquarters Office.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



何世财 / He Shicai

广州地铁集团有限公司党校（大学）执行校长

“十五五”城轨交通人才培养再出发 第一阶段 《城市轨道交通“十五五”人才培养规划》专场

*Executive President, Party School (University) of Guangzhou Metro Group Co., Ltd.
The Urban Rail Transportation Talent Cultivation under the “15th Five-Year Plan” Takes Off Again
Phase I: Special Session on the “15th Five-Year Plan” for Urban Rail Transit Talent Cultivation*

何世财，现任广州地铁党校（大学）执行校长，毕业于复旦大学、暨南大学，工商管理硕士、高级经济师，通过国家统一法律职业资格考试。曾任广州地铁集团运营总部副总经理、人力资源部总经理、地铁广告公司董事长、地铁物资公司董事长等职务，在城市轨道交通人力资源管理、资源开发经营及采购物流管理方面有着丰富的经验。成功推动人力资源管理变革，实施战略型人力资源管理，建立领导力发展和职业技能提升双轮趋动的人才培训。

He Shicai is the Executive President of the Party School (University) of Guangzhou Metro Group. A graduate of Fudan University and Jinan University, he holds an MBA and the title of Senior Economist, and has passed the national unified legal professional qualification examination. He previously served as Deputy General Manager of the Operations Headquarters, General Manager of the Human Resources Department, Chairman of the Metro Advertising Company, and Chairman of the Metro Materials Company at Guangzhou Metro Group, gaining extensive experience in HR management, resource development, and procurement and logistics management for urban rail transit. He has successfully driven HR management reform, implemented strategic human resource management, and established a dual-driven talent training system focusing on both leadership development and professional skills enhancement.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



朱波 / Zhu Bo

大连公共交通建设投资集团有限公司人力资源培训分公司书记、总经理

“十五五”城轨交通人才培养再出发第一阶段 《城市轨道交通“十五五”人才培养规划》专场

*Secretary and General Manager, Human Resources Training Branch,
Dalian Public Transport Construction Investment Group Co., Ltd.*

The Urban Rail Transportation Talent Cultivation under the “15th Five-Year Plan” Takes Off Again

Phase I: Special Session on the “15th Five-Year Plan” for Urban Rail Transit Talent Cultivation

朱波，高级政工师，高级企业人力资源管理师，现任大连公共交通建设投资集团人力资源培训分公司党支部书记、总经理。长期深耕城市轨道交通人才培养、人力资源服务咨询等领域，担任城市轨道交通协会行业十四五人才规划编写专家、十五五人才发展规划指导专家、轨道交通协会兼职培训师教材评审组组长，多次受邀担任中国城市轨道交通人才发展论坛、直播间分享嘉宾，撰写课题研究分别荣获大连市企业创新管理成果一、二等奖。

Zhu Bo is a Senior Political Work Specialist and a Senior Enterprise Human Resource Management Professional. He currently serves as the Secretary of the Party Branch and General Manager of the Human Resources Training Branch at Dalian Public Transport Construction Investment Group. He has extensive experience in talent cultivation and HR consulting for urban rail transit. He has served as a writing expert for the industry’s 14th Five-Year Talent Plan, a guiding expert for the 15th Five-Year Talent Cultivation Plan, and head of the textbook review group for part-time trainers at the China Association of Metros. He has been frequently invited as a guest speaker at industry forums and live events and has received first and second prizes for innovative management achievements from the city of Dalian for his research papers.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



郎艳梅 /Lang Yanmei

深圳市地铁集团有限公司现代有轨电车公司董事长

“十五五”城轨交通人才培养再出发 第一阶段 《城市轨道交通“十五五”人才培养规划》专场

Chairman, Modern Tram Co., Ltd., Shenzhen Metro Group Co., Ltd.

*The Urban Rail Transportation Talent Cultivation under the “15th Five-Year Plan” Takes Off Again
Phase I: Special Session on the “15th Five-Year Plan” for Urban Rail Transit Talent Cultivation*

郎艳梅，高级经济师，从事城市轨道交通建设运营管理 20 年。熟悉城市轨道交通运营发展的规律并能准确把握员工队伍的特点、充分发挥团队的核心竞争力。

Lang Yanmei is a Senior Economist with 20 years of experience in the construction, operation, and management of urban rail transit. She is familiar with the operational development patterns of urban rail transit and adept at understanding the characteristics of the workforce to fully leverage a team’s core competitiveness.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



陈明武 /Chen Minwu

西南交通大学继续教育学院院长

“十五五”城轨交通人才培养再出发 第一阶段 《城市轨道交通“十五五”人才培养规划》专场

Dean, School of Continuing Education, Southwest Jiaotong University

The Urban Rail Transportation Talent Cultivation under the “15th Five-Year Plan” Takes Off Again

Phase I: Special Session on the “15th Five-Year Plan” for Urban Rail Transit Talent Cultivation

陈民武，教授、博士生导师，获交通运输部“交通运输青年科技英才”、“詹天佑铁道科学技术将铁道电气化专项奖 - 青年奖”，入选四川省省级人才。现任西南交通大学继续教育学院院长、中国高等教育学会继续教育分会理事、四川省普通本科高等学校电气与自动化类专业教指委秘书长、西部高等院校电气类专业课程建设专家委员会秘书长。

Chen Minwu, a Professor and doctoral supervisor, has been honored as a “Young Science and Technology Talent in Transportation” by the Ministry of Transport and received the “Jeme Tien Yow Railway Science & Technology Award- Youth Prize for Railway Electrification”. He is also recognized as a provincial-level talent in Sichuan. He currently serves as the Dean of the School of Continuing Education at Southwest Jiaotong University, a council member of the Continuing Education Branch of the China Association of Higher Education, Secretary-General of the Sichuan Provincial Steering Committee for Electrical and Automation Majors in Undergraduate Institutions, and Secretary-General of the Western China Higher Education Expert Committee for Electrical Engineering Curriculum Development.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



孙燕燕 /Sun Yanyan

青岛市技师学院轨道交通学院院长

“十五五”城轨交通人才培养再出发 第一阶段 《城市轨道交通“十五五”人才培养规划》专场

Dean, School of Rail Transit, Qingdao Technician College

*The Urban Rail Transportation Talent Cultivation under the “15th Five-Year Plan” Takes Off Again
Phase I: Special Session on the “15th Five-Year Plan” for Urban Rail Transit Talent Cultivation*

孙燕燕，副教授、高级讲师，现任青岛市技师学院轨道交通学院院长。担任青岛市巾帼工匠培育赋能导师、青岛市妇女儿童智库专家。长期从事教育教学、社会培训及共青团工作，深耕职业培训、产教融合、青少年工业教育课程体系与工匠精神培育研究。作为特邀嘉宾出席 2025CAMET 论坛，作《产教融合视域下轨道交通数智化高技能人才培养模式创新与实践研究》主题报告，为城轨交通“十五五”人才培养贡献创新思路与实践经验。

Sun Yanyan, an Associate Professor and Senior Lecturer, is the current Dean of the School of Rail Transit at Qingdao Technician College. She serves as a mentor for the Qingdao “Female Artisan” cultivation program and as an expert in the Qingdao Women and Children’s Think Tank. With a long-term focus on education, social training, and Youth League work, she has extensive research experience in vocational training, the integration of industry and education, youth industrial education curricula, and fostering a spirit of craftsmanship. As an invited guest at the 2025 CAMET Forum, she will deliver a keynote report on Innovative Research and Practice on the Cultivation Model for Highly Skilled Digital and Intelligent Talents in Rail Transit from the Perspective of Industry-Education Integration, contributing innovative ideas and practical experience for talent cultivation during the “15th Five-Year Plan” for urban rail transit.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



李勇 /Li Yong

苏州市轨道交通集团有限公司人力资源总监

“十五五”城轨交通人才培养再出发 第一阶段 《城市轨道交通“十五五”人才培养规划》专场

Director of Human Resources, Suzhou Rail Transit Group Co., Ltd.

The Urban Rail Transportation Talent Cultivation under the “15th Five-Year Plan” Takes Off Again

Phase I: Special Session on the “15th Five-Year Plan” for Urban Rail Transit Talent Cultivation

李勇，1999年12月参加工作，2003年5月加入中国共产党，先后担任一集团军远程火箭炮兵旅远程多管火箭炮一营政治教导员、一集团军政治部宣传处正营职干事、苏州市委组织部组织二处副处长，苏州市轨道交通集团有限公司人力资源总监、人力资源处处长、机关一支部书记，苏州轨道交通运营有限公司党委副书记、工会主席，现任苏州市轨道交通集团有限公司人力资源总监、组织人事部总经理、工联会副主席。

Li Yong began his career in December 1999 and joined the Communist Party of China in May 2003. He has held numerous positions, including Political Instructor for the 1st Battalion of the Long-Range Rocket Artillery Brigade of the First Group Army, an officer in the Propaganda Department of the First Group Army, and Deputy Director of the Organization Division II of the Suzhou Municipal Committee. At Suzhou Rail Transit Group Co., Ltd., he served as HR Director, Head of the HR Department, and Secretary of the 1st Party Branch. He was also Deputy Secretary of the Party Committee and Chairman of the Labor Union at Suzhou Rail Transit Operation Co., Ltd. He is currently the HR Director, General Manager of the Organization and Personnel Department, and Vice Chairman of the Federation of Labor Unions at Suzhou Rail Transit Group Co., Ltd.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



刘丹 /Liu Dan

无锡地铁集团有限公司组织人事部部长

“十五五”城轨交通人才培养再出发 第一阶段 《城市轨道交通“十五五”人才培养规划》专场

*Director, Organization and Human Resources Department, Wuxi Metro Group Co., Ltd.
The Urban Rail Transportation Talent Cultivation under the “15th Five-Year Plan” Takes Off Again
Phase I: Special Session on the “15th Five-Year Plan” for Urban Rail Transit Talent Cultivation*

刘丹，南开大学硕士研究生，经济师、高级人力资源师，江苏省职业培训师认定委员会委员、无锡市 HR 经理俱乐部特聘讲师，现任无锡地铁集团组织人事部部长。深耕人力资源领域 20 年，先后在民营、外资、国企等大型集团公司从事人力资源管理工作。主导搭建了无锡地铁集团“1+N”人才规划体系、内部人才供应链体系、绩效管理体系等，塑造了“锡铁士”引才、“群鹰”梯队培养、“驱动式”绩效管理、“地铁大讲堂”等多个品牌。

Liu Dan holds a Master’s degree from Nankai University and is an Economist and Senior Human Resources Professional. She is a member of the Jiangsu Provincial Vocational Trainer Certification Committee, a specially-invited lecturer at the Wuxi HR Managers Club, and currently serves as the Director of the Organization and Human Resources Department at Wuxi Metro Group. With 20 years of experience in the human resources field, she has worked in HR management roles at large private, foreign-invested, and state-owned enterprise groups. She has led the development of Wuxi Metro Group’s “1+N” talent planning system, internal talent supply chain system, and performance management system. She has also created several successful brands, including the “Xi Tie Shi” talent recruitment program, the “Qun Ying” tiered training program, “drive-based” performance management, and the “Metro Lecture Hall”.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



周泽岩 /Zhou Zeyan

中国城市轨道交通协会文化和培训部副主任

“十五五”城轨交通人才培养再出发 第一阶段 《城市轨道交通“十五五”人才培养规划》专场

Deputy Director, Culture and Training Department, China Association of Metros

The Urban Rail Transportation Talent Cultivation under the “15th Five-Year Plan” Takes Off Again

Phase I: Special Session on the “15th Five-Year Plan” for Urban Rail Transit Talent Cultivation

周泽岩，高级工程师、中级经济师。北京交通大学交通运输规划与管理硕士。2013-2020 年任职于北京京港地铁有限公司，先后从事运营管理、安全管理、资源经营管理工作，熟悉城轨运营、经营工作实际；现任中国城市轨道交通协会文化和培训部副主任，履行研究政策、统筹规划、组织协调、监督指导职责，搭建行业人才培养协作平台，开展行业人才培养体系建设与课题研究，推动跨地区人才培训和交流。

Zhou Zeyan, Senior Engineer, Intermediate Economist. He holds a Master’s degree in Transportation Planning and Management from Beijing Jiaotong University. From 2013 to 2020, he worked at Beijing MTR Corporation Limited in roles involving operations management, safety management, and resource business management, gaining practical familiarity with urban rail operations. He currently serves as the Deputy Director of the Culture and Training Department at the China Association of Metros, where his responsibilities include policy research, strategic planning, coordination, and supervision. He works to build a collaborative platform for industry talent development, conduct research on talent cultivation systems, and promote cross-regional training and exchange.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



夏紫菱 / Xia Ziling

南京地铁集团有限公司人力资源部主管

协会“十五五”人才培养规划课题组“十五五”城轨交通人才培养再出发

第一阶段《城市轨道交通“十五五”人才培养规划》专场

Supervisor, Human Resources Department, Nanjing Metro Group Co., Ltd.

15th Five-Year Plan Talent Cultivation Task Force of the Association

The Urban Rail Transportation Talent Cultivation under the “15th Five-Year Plan” Takes Off Again

Phase I: Special Session on the “15th Five-Year Plan” for Urban Rail Transit Talent Cultivation

夏紫菱，南京地铁集团公司人力资源部主管，南京大学管理学硕士，高级人力资源管理师、副研究员，长期从事人才培养、校企合作、人力资源数字化等工作，先后参与和负责了城市轨道交通“十四五”和“十五五”人才培养规划等课题。

Xia Ziling is a Supervisor in the Human Resources Department at Nanjing Metro Group. She holds a Master's degree in Management from Nanjing University and is a Senior Human Resources Management Professional and an Associate Researcher. Her work focuses on talent cultivation, school-enterprise cooperation, and HR digitalization. She has participated in and led projects related to the urban rail transit “14th Five-Year” and “15th Five-Year” talent cultivation plans.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



陈磊 /Chen Lei

青岛地铁集团有限公司运营分公司培训管理部副经理

“十五五”城轨交通人才培养再出发 第一阶段 《城市轨道交通“十五五”人才培养规划》专场

*Deputy Manager, Training Management Department, Operation Branch, Qingdao Metro Group Co., Ltd.
The Urban Rail Transportation Talent Cultivation under the “15th Five-Year Plan” Takes Off Again
Phase I: Special Session on the “15th Five-Year Plan” for Urban Rail Transit Talent Cultivation*

陈磊，青岛地铁运营有限公司培训管理部，高级工程师。有 20 余年以上轨道交通工作经验，在地铁运营管理、安全管理、设备维修、人才培养等多方面有着丰富经验。多年来，以“三位一体”系统推进路径统领人才队伍建设工作，开展人工智能全员参与培训、实施管理队伍贯通式培养、推进“青 e 学 + 培训管理系统”升级上线，深化技能人才评估模式改革，分工种搭建了从初级工到高级技师的职业技能等级评价体系，为公司高质量发展提供人才支撑。

Chen Lei is a Senior Engineer in the Training Management Department at Qingdao Metro Operation Co., Ltd. With over 20 years of experience in rail transit, he has extensive expertise in metro operation management, safety management, equipment maintenance, and talent development. For many years, he has led talent development using a “Trinity” system framework. His work includes launching AI training for all employees, implementing a continuous development program for management, promoting the upgrade of the “Qing e-Learn + Training Management System”, and deepening reforms of the skills assessment model. He has established a vocational skill level evaluation system for various roles, from junior workers to senior technicians, providing strong talent support for the company’s high-quality development.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



付旭东 /Fu Xudong

北京恒诺尚辰科技有限公司总经理

“十五五”城轨交通人才培养再出发 第一阶段 《城市轨道交通“十五五”人才培养规划》专场

General Manager, Beijing Hengnuo Shangchen Technology Co., Ltd.

*The Urban Rail Transportation Talent Cultivation under the “15th Five-Year Plan” Takes Off Again
Phase I: Special Session on the “15th Five-Year Plan” for Urban Rail Transit Talent Cultivation*

付旭东，高级工程师，北京航空航天大学 MBA，PMP 认证，22 年行业经验。兼具 5 年地铁项目现场管理及 11 年城市交通运营、人才培养与实训基地建设经验。融合香港地铁培训体系与国际理念，结合国企人才培养方法，成功构建轨道交通学习型组织，显著提升培训效能。推动技能人才校企合作，培养多届大赛冠军，牵头打造全国首套多岗位全联动行车培训系统及 24 小时全仿真演练系统。专注培训价值化，擅长培训体系规划、课程与工具开发。

Fu Xudong is a Senior Engineer with 22 years of industry experience, holding an MBA from Beihang University and a PMP certification. His experience includes 5 years in on-site metro project management and 11 years in urban transport operations, talent training, and practical training base construction. By integrating the Hong Kong MTR training system with international concepts and state-owned enterprise talent development methods, he has successfully built a learning organization for rail transit, significantly improving training effectiveness. He has promoted school-enterprise cooperation for skilled talent, cultivated multiple competition champions, and led the development of the nation's first fully-integrated, multi-position train operation training system and a 24h fully-simulated drill system. Focused on delivering value through training, he specializes in training system planning, as well as curriculum and tool development.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



刘婷婷 / Liu Tingting

青岛地铁集团有限公司运营分公司党群工作部品牌文化岗、企业培训师

“十五五”城轨交通人才培养再出发第一阶段 《城市轨道交通“十五五”人才培养规划》专场

Brand Culture Specialist & Corporate Trainer,

Party and Public Affairs Department, Operations Branch, Qingdao Metro Group Co., Ltd.

The Urban Rail Transportation Talent Cultivation under the “15th Five-Year Plan” Takes Off Again

Phase I: Special Session on the “15th Five-Year Plan” for Urban Rail Transit Talent Development

刘婷婷，高级礼仪培训师，2015年加入青岛地铁集团有限公司运营分公司，深耕企业文化与品牌建设领域，长期从事企业文化、企业品牌建设相关工作，同时兼任青岛地铁礼仪队高级顾问，专注深度服务体验与服务效能提升培训。

Liu Tingting is a senior etiquette trainer who joined the Operations Branch of Qingdao Metro Group Co., Ltd. in 2015. She specializes in corporate culture and brand building and also serves as a senior consultant for the Qingdao Metro Etiquette Team, focusing on training for enhanced service experience and efficiency.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



王进展 /Wang Jinzhan

青岛市技师学院教师

“十五五”城轨交通人才培养再出发第一阶段 《城市轨道交通“十五五”人才培养规划》专场

Teacher, Qingdao Technician College

*The Urban Rail Transportation Talent Cultivation under the “15th Five-Year Plan” Takes Off Again
Phase I: Special Session on the “15th Five-Year Plan” for Urban Rail Transit Talent Development*

王进展，毕业于青岛理工大学交通运输工程专业（智能交通方向）。2018年加入青岛海信网络科技股份有限公司，长期从事智能交通建设相关工作，曾获“城市畅通推进者”、海信集团“Hi-案例”大赛三等奖等荣誉。2023年9月入职青岛市技师学院轨道交通学院，并于2024年参加山东省青年职业技能竞赛钳工赛项获得第一名，2025年被授予“山东省技术能手”称号。

Wang Jinzhan graduated from Qingdao University of Technology with a degree in Transportation Engineering (Intelligent Transportation). He joined Qingdao Hisense TransTech Co., Ltd. in 2018, where he was engaged in intelligent transportation construction. His honors include the “Urban Traffic Flow Promoter” award and a third prize in Hisense Group’s “Hi-Case” competition. In September 2023, he joined the School of Rail Transit at Qingdao Technician College. He won first place in the fitter category of the Shandong Provincial Youth Vocational Skills Competition in 2024 and was awarded the title of “Shandong Provincial Technical Expert” in 2025.

分论坛七：

“十五五”城轨交通人才培养再出发 第二阶段：技能竞赛专场

*The urban rail transportation talent cultivation under the “15th Five-Year Plan” takes off again
Phase II: Special Session on Skills Competitions*

论坛架构 / FORUM STRUCTURE

论坛时间: 2025年9月19日 14:00-16:30

论坛地点: 中铁青岛世界博览城 N4 馆文化教育与人才展区 (N4307)

主办单位: 中国城市轨道交通协会

承办单位: 中国城市轨道交通协会文化和培训部、文化工作委员会、运营管理专业委员会

协办单位: 新誉集团有限公司、成都运达科技股份有限公司、昆山赫兹接触网科技有限公司

Forum Time: September 19, 2025, 14:00-16:30

Forum Venue: Culture, Education, and Talent Themed Exhibition Area (N4307), N4 Pavilion, CREC-Qingdao World Expo City

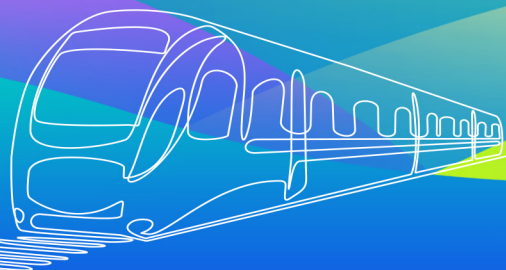
Hosted by: China Association of Metros (CAMET)

Organized by: Culture and Training Department, Cultural Work Committee, and Operations Management Professional Committee of the China Association of Metros

Co-organized by: Jiangsu New United Group Co., Ltd.,

Chengdu Yunda Technology Co., Ltd.,

Kunshan Hertz Catenary Technology Co., Ltd.



论坛议程 / FORUM AGENDA

主持人	高濛 中国城市轨道交通协会文化工作委员会专员
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一、主旨发言

时 间	发言主题	发言嘉宾	单位及职务
14:00-14:15	擘画“十五五”蓝图 共筑城轨人才新高地	戈亚琴	新誉集团有限公司 党委书记、副总裁
14:15-14:25	办赛促学、以赛育人 协会组织开展技能竞赛回顾	陈 曦	中国城市轨道交通协会 文化工作委员会副秘书长
14:25-14:35	《以赛促培激活力 以赛促建谋发展——广州地 铁劳动竞赛实践路径与启示展望》	魏爱明	广州地铁集团有限公司工会副主席、机关党委书记
14:35-15:05	技术赋能 智造精彩 技术厂家分享赛项平台研发工作感受	宋红霞	成都运达科技股份有限公司副总裁

二、主题演讲

时 间	发言主题	发言嘉宾	单位及职务
15:05-15:25	择一业、终一生——逐梦城轨匠心 部分获奖选手分享参赛收获	李志强	南京地铁集团有限公司 2020年通信工赛项第1名 全国技术能手
		李春强	苏州市轨道交通集团有限公司 2020年行车调度员赛项第2名 全国技术能手

“十五五”城轨交通人才培养再出发

第二阶段：技能竞赛专场

THE URBAN RAIL TRANSPORTATION TALENT CULTIVATION UNDER THE “FIFTEENTH FIVE-YEAR PLAN” TAKES OFF AGAIN
PHASE II: SPECIAL SESSION ON SKILLS COMPETITIONS

论坛议程 / FORUM AGENDA

时 间	发言主题	发言嘉宾	单位及职务
15:25-15:35	专家领航“三公”为基——专家分享赛项开发心得	杨智刚	西安市轨道交通集团有限公司 2025 年接触网工赛项裁判长
15:35-15:45	从经验驱动到数据驱动： 以竞赛为“指挥棒”精准赋能人才队伍技能提升	董彦	宁波市轨道交通集团有限公司 运营管理中心技能培训管理部部长
15:45-15:55	城市轨道交通接触网工、列车司机赛项理论题库（样题）、知识结构发布		
15:55-16:30	释疑解惑——专家组现场答疑及赛用平台展示	方珺辉	中国城市轨道交通协会 文化工作委员会秘书长
		陈曦	中国城市轨道交通协会 文化工作委员会副秘书长
		吴兵	武汉地铁集团有限公司 2025 年列车司机赛项裁判长
		杨智刚	西安市轨道交通集团有限公司 2025 年接触网工赛项裁判长
		李志强	南京地铁集团有限公司 2020 年通信工赛项第 1 名 全国技术能手
		李春强	苏州市轨道交通集团有限公司 2020 年行车调度员赛项第 2 名 全国技术能手
会议结束			

“十五五”城轨交通人才培养再出发

第二阶段：技能竞赛专场

THE URBAN RAIL TRANSPORTATION TALENT CULTIVATION UNDER THE “FIFTEENTH FIVE-YEAR PLAN” TAKES OFF AGAIN
PHASE II: SPECIAL SESSION ON SKILLS COMPETITIONS

论坛议程 / FORUM AGENDA

Moderator	Gao Meng, Commissioner, Cultural Work Committee, China Association of Metros
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I. Keynote Speeches

DATE	TOPICS	SPEAKERS	AFFILIATION & TITLE
14:00-14:15	Envisioning the “15th Five-Year” Plan: Forging a New Frontier of Urban Rail Tale	Ge Yaqin	New United Group Secretary of the Party Committee and Vice President
14:15-14:25	Learning Through Competition: Retrospective on the Association’s Skills Competitions	Chen Xi	China Association of Metros Deputy Secretary-General, Cultural Work Committee
14:25-14:35	Promoting Training via Competitions to Ignite Vitality, Advancing Development through Competitions to Seek Progress: Practical Paths, Insights and Outlook of Labor Competitions in Guangzhou Metro	Wei Aiming	Vice Chairman of the Labor Union and Secretary of the Party Committee of the Headquarters, Guangzhou Metro Group Co., Ltd.
14:35-15:05	Empowering Excellence with Technology A Technology Provider’s Insights on Developing Competition Platforms	Song Hongxia	Chengdu Yunda Technology Co., Ltd. Vice President

II. Thematic Presentations

DATE	TOPICS	SPEAKERS	AFFILIATION & TITLE
15:05-15:25	A Lifelong Dedication to a Craft: The Pursuit of Excellence in Urban Rail Insights from Past Award-Winning Contestants	Li Zhiqiang	Nanjing Metro Group Co., Ltd. Champion, 2020 Communications Technician Skills Challenge National Master Technician
		Li Chunqiang	Suzhou Rail Transit Group Co., Ltd. Runner-up, 2020 Train Dispatcher Skills Challenge National Master Technician
15:25-15:35	Expert-Led and Founded on Fairness: An Expert’s View on Competition Development	Yang Zhigang	Xi’an Rail Transit Group Co., Ltd. Chief Judge, 2025 Contact Network Technician Competition
15:35-15:45	From an Experience-Led to a Data-Informed Paradigm: Leveraging Competition as a “Strategic Catalyst” for Targeted Talent Development	Dong Yan	Ningbo Rail Transit Group Co., Ltd. Head of Skills Training Management Department, Operations Management Center

“十五五” 城轨交通人才培养再出发

第二阶段：技能竞赛专场

THE URBAN RAIL TRANSPORTATION TALENT CULTIVATION UNDER THE “FIFTEENTH FIVE-YEAR PLAN” TAKES OFF AGAIN
PHASE II: SPECIAL SESSION ON SKILLS COMPETITIONS

论坛议程 / FORUM AGENDA

DATE	TOPICS	SPEAKERS	AFFILIATION & TITLE
15:45-15:55	Release: Theoretical Exam Questions for the Catenary Maintainer and Train Driver Competitions		
15:55-16:30	Q&A and Platform Demonstration: Live Session with the Expert Panel	Fang Junhui	Competition Organizing Committee Secretariat: China Association of Metros Secretary-General, Cultural Work Committee
		Chen Xi	Competition Organizing Committee Secretariat: China Association of Metros Deputy Secretary- General, Cultural Work Committee
		Wu Bing	Wuhan Metro Group Co., Ltd. Chief Judge, 2025 Train Driver Competition
		Yang Zhigang	Xi'an Rail Transit Group Co., Ltd. Chief Judge, 2025 Contact Network Technician Competition
		Li Zhiqiang	Past Contestant: Nanjing Metro Group Co., Ltd. Champion, 2020 Communications Technician Competition National Master Technician
		Li Chunqiang	Suzhou Rail Transit Group Co., Ltd. Runner-up, 2020 Train Dispatcher Competition National Master Technician
End of Session			

“十五五”城轨交通人才培养再出发

第二阶段：技能竞赛专场

THE URBAN RAIL TRANSPORTATION TALENT CULTIVATION UNDER THE “FIFTEENTH FIVE-YEAR PLAN” TAKES OFF AGAIN
PHASE II: SPECIAL SESSION ON SKILLS COMPETITIONS

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



戈亚琴 / Ge Yaqin

新誉集团有限公司党委书记、副总裁

Jiangsu New United Group Co., Ltd. Secretary of the Party Committee, Vice President

戈亚琴，现任新誉集团有限公司党委书记、副总裁，中国女企业家协会副会长，江苏省女企业家协会副会长，常州市女企业家协会会长。曾获“全国优秀企业家”、“全国劳动模范”、“全国三八红旗手”、“中国杰出创业女性”等荣誉称号。作为新誉集团的开拓先锋，凭借卓越领导力与非凡胆识，推动新誉集团实现了从“地面铁轨”到“低空经济”乡村振兴、从技术引进到自主创新、从“中国制造”到“世界智造”的转型蝶变。在她的带领下，新誉集团获得客户、行业及各级政府的认可，先后荣获“中国工业大奖”、“制造业单项冠军示范企业”、“江苏省优秀企业”等一系列殊荣，连续十七年获评“常州市工业五星企业”。

Ge Yaqin currently serves as the Secretary of the Party Committee and Vice President of Jiangsu New United Group Co., Ltd., Vice President of the China Association of Women Entrepreneurs, Vice President of the Jiangsu Provincial Women Entrepreneurs Association, and President of the Changzhou Women Entrepreneurs Association. She has received numerous honorary titles, including “National Outstanding Entrepreneur”, “National Model Worker”, “National March 8th Red-Banner Pacesetter”, and “Outstanding Female Entrepreneur of China”.

As a pioneering force at Jiangsu New United Group, her leadership has driven the company’s transformation from conventional rail to the low-altitude economy and rural revitalization, from technology importation to independent innovation, and from “Made in China” to “Intelligently Manufactured in China”. Under her guidance, Jiangsu New United Group has earned recognition from clients, the industry, and government at all levels, receiving honors such as the “China Grand Awards for Industry”, “Manufacturing Single-Champion Demonstration Enterprise”, and “Outstanding Enterprise of Jiangsu Province”, and has been named a “Changzhou Five-Star Industrial Enterprise” for seventeen consecutive years.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



宋红霞 / Song Hongxia

成都运达科技股份有限公司副总裁

Chengdu Yunda Technology Co., Ltd Vice President

宋红霞，1982年生，中国国籍，硕士。成都市“产业生态圈人才计划”轨道交通产业生态圈领军人才。现任成都运达科技股份有限公司副总裁。

Song Hongxia, born in 1982, is of Chinese nationality and holds a master's degree. She is a leading talent in the rail transit industry ecosystem under the "Industrial Ecosystem Talent Plan" of Chengdu. Currently, she serves as the vice president of Chengdu Yunda Technology Co., Ltd.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



魏爱明 /Wei Aiming

广州地铁集团有限公司工会副主席、机关党委书记，高级政工师

Vice Chairman of the Labor Union and Secretary of the Party Committee of the Headquarters, Guangzhou Metro Group Co., Ltd., Senior Political Work Professional

魏爱明担任广州地铁集团工会副主席，机关党委书记，在工会业务领域建树颇丰，她积极推动职工关怀计划，完善职工福利体系，为员工提供多方位保障。在劳动竞赛组织方面，她经验丰富，通过创新竞赛形式，激发员工积极性，提升工作技能，促进了广州地铁建设与运营的高效发展，为集团发展与员工成长搭建起坚实桥梁。

Wei Aiming As Vice Chairman of the Labor Union and Secretary of the Party Committee of the Headquarters at Guangzhou Metro Group, Wei Aiming has made significant achievements in labor union affairs. She actively promotes employee care initiatives and has enhanced the employee benefits system, providing comprehensive support for the staff. With extensive experience in organizing labor competitions, she has successfully boosted employee morale, improved professional skills, and driven the efficient development of Guangzhou Metro's construction and operations by innovating the formats of these contests. Her work has forged a vital link between the Group's strategic growth and the professional development of its employees.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



方珺辉 /Fang Junhui

中国城市轨道交通协会中国城市轨道交通协会文化工作委员会秘书长

China Association of Metros (CAMET)

Secretary-General of the Culture Working Committee, China Association of Metros

方珺辉，中国城市轨道交通协会文化工作委员会秘书长

Fang Junhui, Secretary-General of the Culture Working Committee, China Association of Metros

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



陈曦 /Chen Xi

中国城市轨道交通协会文化工作委员会副秘书长

China Association of Metros (CAMET)

Deputy Secretary-General of the Culture Working Committee, China Association of Metros

陈曦，主要负责协会职业技能竞赛、行业文化建设相关工作。

Chen Xi Primarily responsible for the association's vocational skills competitions and the development

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



董彦 /Dongyan

宁波市轨道交通集团有限公司运营管理中心技能培训管理部部长

Ningbo Rail Transit Group Co., Ltd.

Head of the Skills Training Management Department, Operation Management Center

董彦，现任宁波轨道交通集团运营管理中心技能培训管理部部长、培训学院技能培训部部长，工学硕士，副教授。曾在大型国有钢铁企业工作 8 年，负责设备检修工作。本科及高职院校工作 11 年，担任教研室主任、实训基地主任、机电学院副院长、科研处副处长等职务，被评为浙江省高职高专专业带头人、宁波市优秀教师。参与城轨行业十四五、十五五人才培养规划编写工作，并牵头技能人才培养数字化转型、技能人才评价题库开发与应用等子课题研究。

Dongyan He currently serves as the Head of the Skills Training Management Department at the Operation Management Center and Head of the Skills Training Department at the Training Academy of Ningbo Rail Transit Group. He holds a Master of Engineering and is an Associate Professor. He previously worked for 8 years at a large state-owned steel enterprise, overseeing equipment maintenance. With 11 years of experience in higher education, he has held positions such as Director of the Teaching and Research Office, Director of the Practical Training Base, Deputy Dean of the School of Mechatronics, and Deputy Director of the Scientific Research Department. He has been recognized as a Professional Leader in Higher Vocational Colleges of Zhejiang Province and an Outstanding Teacher of Ningbo City. He has participated in drafting the 14th and 15th Five-Year Talent Development Plans for the urban rail transit industry and has led research on the digital transformation of skilled talent training and the development of a skilled talent evaluation question bank.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



杨智刚 / Yang Zhigang

西安市轨道交通集团有限公司运营分公司创新工作室负责人

Xi'an Rail Transit Group Co., Ltd. Operation Branch Head of the innovation studio

杨智刚，先后在西安铁路局和西安地铁工作，从事牵引供电接触网检修维护工作 31 年。现任西安市轨道交通集团有限公司运营分公司接触网资深技师，技能大师工作室和创新工作室负责人，技术委员会委员。中国城市轨道交通行业职业技能竞赛专家组副组长、裁判长。曾获西安市劳动模范、西安市首席技师、西安市职业技能带头人、陕西省三秦工匠。

Yang Zhigang With 31 years of dedicated experience in the maintenance and repair of traction power supply and overhead contact systems, Yang Zhigang has built his career at the Xi'an Railway Bureau and later at Xi'an Metro. Currently, he serves as a Senior Technician for the Overhead Contact System at the Operation Branch of Xi'an Rail Transit Group Co., Ltd. In this capacity, he leads both the Master Technician Workshop and the Innovation Workshop and is a member of the Technical Committee. He also holds the distinguished positions of Deputy Head of the Expert Group and Chief Referee for the China Urban Rail Transit Industry Vocational Skills Competition. His contributions have been recognized with numerous honors, including Model Worker of Xi'an City, Chief Technician of Xi'an City, Vocational Skills Leader of Xi'an City, and 'Sanqin Craftsman' of Shaanxi Province.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



吴兵 /Wu Bing

武汉地铁运营有限公司车辆中心副总经理

Wuhan Metro Operation Co., Ltd. Deputy General Manager of the Rolling Stock Center

吴兵 男 53岁 大学本科学历 工程师 1991年在武汉铁路局参加工作；2003年加入武汉地铁运营有限公司 历任 乘务车队长，运转车间副主任、主任，车辆部副经理（乘务），经理，车辆中心副总经理（乘务）

Wu Bing, male, 53, holds a bachelor's degree and is a certified Engineer. He began his career at the Wuhan Railway Bureau in 1991 and joined Wuhan Metro Operation Co., Ltd. in 2003. He has successively served as Captain of the Crew Team; Deputy Director and Director of the Operations Workshop; Deputy Manager (Crew Affairs) and Manager of the Rolling Stock Department; and is currently the Deputy General Manager of the Rolling Stock Center (Crew Affairs).

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



李志强 /Li Zhiqiang

南京地铁运营有限责任公司通信班长

Nanjing Metro Operation Co., Ltd. Communications Team Leader

李志强，1994年7月出生，2016年进入南京地铁运营有限责任公司工作，进入公司以来刻苦钻研、爱岗敬业。积极参与老线通信项目改造如“1/10号线无线系统升级”，参与南京地铁2号线西延线、5号线等多条新线建设工作。多次在各级别技能竞赛中取得优异成绩，更是在2020“新誉杯”全国城市轨道交通行业职业技能竞赛通信工赛项中斩获第一名的好成绩，曾获得“全国技术能手”、中国城市轨道交通协会“城轨工匠”、“江苏省文明职工”、“南京市五一劳动奖章”等荣誉称号。

Li Zhiqiang, born in July 1994, joined Nanjing Metro Operation Co., Ltd. in 2016. Since joining the company, he has been dedicated and diligent in his work. He has actively participated in communication system upgrade projects for existing lines, such as the wireless system upgrade for Lines 1 and 10, as well as the construction of new lines, including the west extension of Line 2 and Line 5. He has achieved excellent results in various skill competitions and won first place in the Communications Technician category of the 2020 “Xinyu Cup” National Urban Rail Transit Industry Professional Skills Competition. He has been awarded honorary titles such as “National Technical Expert”, “Urban Rail Craftsman” by the China Association of Metros, “Jiangsu Provincial Civilized Employee”, and the “Nanjing Municipal May 1st Labor Medal”.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



李春强 /Li Chunqiang

苏州轨道交通运营有限公司运营一分公司值班调度长

No. 1 Operation Branch, Suzhou Rail Transit Operation Co., Ltd. Chief Dispatcher

李春强 男 1991 年 08 月 中共党员 现任苏州轨道交通运营有限公司运营一分公司调度中心广济路调度所值班调度长（行车）
荣获：2021 年“全国技术能手”、“全国城轨工匠”称号，2021 年度苏州市最美劳动者

Li Chunqiang, male, born in August 1991, is a member of the CPC. He is the Chief Duty Dispatcher (Train Operation) at the Guangji Road Dispatching Office of the Dispatching Center, No. 1 Operation Branch, Suzhou Rail Transit Operation Co., Ltd. His honors include being named a "National Technical Expert" and a "National Urban Rail Craftsman" in 2021, and the "Most Beautiful Worker of Suzhou City" for 2021.

分论坛七：

“十五五”城轨交通人才培养再出发

第三阶段：城轨运营从业人员技能素质提升专场

*The urban rail transportation talent cultivation under the “15th Five-Year Plan” takes off again
Phase III: Special Session on Enhancing the Skills of Urban Rail Operations Personnel*

论坛架构 / FORUM STRUCTURE

论坛时间: 2025年9月20日 09:30-12:10

论坛地点: 中铁青岛世界博览城 N4 馆文化教育与人才展区 (N4307)

主办单位: 中国城市轨道交通协会

承办单位: 中国城市轨道交通协会文化和培训部
文化工作委员会
运营管理专业委员会

Forum Time: September 20, 2025, 09:30-12:10

Forum Venue: Culture, Education, and Talent Themed Exhibition Area (N4307), N4 Pavilion, CREC-Qingdao World Expo City

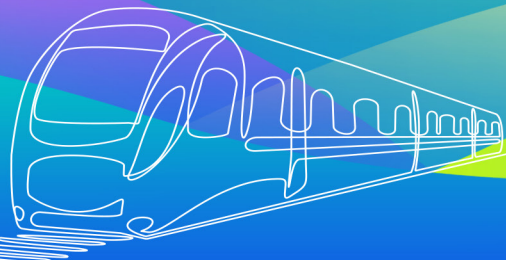
Hosted by: China Association of Metros (CAMET)

Organized by: Culture and Training Department

Cultural Work Committee

Operations Management Professional Committee

China Association of Metros



论坛议程 / FORUM AGENDA

主持人	冯旭杰 中国城市轨道交通协会运营管理专业委员会副主任兼秘书长		
主旨发言			
时 间	发言主题	发言嘉宾	单位及职务
09:30-10:00	提升城市轨道交通从业人员素质的思考	胡雪霏	中国城市轨道交通协会运营管理专业委员会秘书 交通运输部科学研究院城市中心副研究员
10:00-10:30	列车驾驶员全过程管理与技能素质提升经验	解 辉	北京市地铁运营有限公司运营管理部乘务总监
10:30-11:00	构建高效生产调度体系应用实践	张大吉	成都地铁运营有限公司 运营一公司党委书记总经理
11:00-11:30	城市轨道交通国际合作人才培养的探索与实践	卢剑鸿	西安轨道交通集团运营分公司总经理
11:30-12:00	工务检修岗位全过程管理与技能素质提升经验	杜茂金	南京地铁运营有限责任公司工务分公司科长
12:00-12:10	会议总结		

“十五五”城轨交通人才培养再出发

第三阶段：城轨运营从业人员技能素质提升专场

THE URBAN RAIL TRANSPORTATION TALENT CULTIVATION UNDER THE “FIFTEENTH FIVE-YEAR PLAN” TAKES OFF AGAIN
PHASE III: SPECIAL SESSION ON ENHANCING THE SKILLS OF URBAN RAIL OPERATIONS PERSONNEL

论坛议程 / FORUM AGENDA

Moderator	Feng Xujie, Deputy Director & Secretary-General, Operations Management Committee, China Association of Metros		
I. KEYNOTE SPEECHES			
Time	TOPIC	SPEAKERS	AFFILIATION & TITLE
09:30-10:00	Reflections on Improving the Quality of the Urban Rail Transit Workforce	Hu Xuefei	Secretary-General, Operations Management Committee of CAMET Associate Researcher, Urban Center, China Academy of Transportation Sciences
10:00-10:30	End-to-End Management and Skill Enhancement for Train Drivers	Xie Hui	Director of Crew, Operations Management Department, Beijing Mass Transit Railway Operation Corp., Ltd.
10:30-11:00	Building an Efficient Production Dispatch System: A Practical Application	Zhang Daji	Chengdu Metro Operation Co., Ltd. Secretary of the Party Committee and General Manager, First Operations Company
11:00-11:30	International Cooperation in Talent Development for Urban Rail Transit	Lu Jianhong	General Manager, Operations Branch, Xi'an Rail Transit Group
11:30-12:00	Comprehensive Management and Skill Enhancement for Infrastructure Maintenance Roles	Du Maojin	Section Chief, Infrastructure Branch, Nanjing Metro Operation Co., Ltd.
12:00-12:10	Closing Remarks		

“十五五”城轨交通人才培养再出发

第三阶段：城轨运营从业人员技能素质提升专场

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PHASE III: SPECIAL SESSION ON ENHANCING THE SKILLS OF URBAN RAIL OPERATIONS PERSONNEL

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



卢剑鸿 / Lu Jianhong

西安市轨道交通集团有限公司运营分公司总经理

Operations Branch, Xi'an Rail Transit Group General Manager

卢剑鸿，现任西安市轨道交通集团运营分公司总经理，正高级工程师，兼任长安大学校外兼职硕士研究生导师，中国城市轨道交通协会运营管理专业委员会副秘书长，西安市科技专家库专家。长期从事轨道交通运营管理工作，在轨道交通运营管理方面有资深的管理实践经验，曾获省部级创新成果奖 8 项，参编行业标准、地方标准 2 项，主持和参与编写专著 7 部，发表论文 10 余篇，获得国家发明专利、实用新型专利 10 余项。

Lu Jianhong is the General Manager of the Operations Branch of Xi'an Rail Transit Group. A Professor-level Senior Engineer, he also serves as a part-time Master's Supervisor at Chang'an University, Deputy Secretary-General of the Operations Management Committee of the China Association of Metros, and an expert in the Xi'an Science and Technology Expert Database. With extensive practical experience from a long career in rail transit operation management, he has received eight provincial and ministerial-level innovation awards, co-authored two industry and local standards, led or contributed to seven monographs, published over ten papers, and secured ten national invention and utility model patents.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



冯旭杰 / Feng Xujie

交通运输部科学研究院中心总工

China Academy of Transportation Sciences Chief Engineer of the Center

冯旭杰，工学博士，交通运输部科学研究院城市交通与轨道交通研究中心总工，中国城市轨道交通协会运营管理专业委员会副主任兼秘书长，交通运输部“城市轨道交通智慧运营技术创新团队”主要成员。从事城市轨道交通运营管理研究，参与起草国家城市轨道交通运营管理制度 20 余项，制修订城市轨道交通国家标准和行业标准 10 余部，获得交通运输部以及国家级学习协会科技奖 11 项。

Feng Xujie holds a Ph.D. in Engineering and is the Chief Engineer of the Urban Transport and Rail Transit Research Center at the China Academy of Transportation Sciences. He serves as the Vice Director and Secretary-General of the Operation Management Professional Committee of the China Association of Metros and is a key member of the Ministry of Transport's "Innovative Team for Smart Urban Rail Transit Operation Technology". His research focuses on urban rail transit operation management. He has participated in drafting over 20 national regulations for the sector, contributed to the development and revision of more than 10 national and industry standards, and has received 11 science and technology awards from the Ministry of Transport and national academic associations.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



解辉 / Hui Xie

北京市地铁运营有限公司乘务总监

Beijing Metro Operation Co., Ltd Director of Crew Operations

解辉，现任北京市地铁运营有限公司运营管理部乘务总监。2009年毕业于北方工业大学，毕业后进入北京地铁公司工作。先后担任北京市地铁运营一分公司团委书记、地铁亦庄线乘务中心党支部书记、6号线乘务中心党支部书记（主任）、运营一分公司副经理等。

Xie Hui is currently the Director of Crew Operations in the Operation Management Department of Beijing Metro Operation Co., Ltd. He graduated from North China University of Technology in 2009 and joined Beijing Metro upon graduation. He has successively held positions as the Secretary of the Youth League Committee of Beijing Metro Operation Branch No. 1, Secretary of the Party Branch of the Yizhuang Line Crew Center, Secretary of the Party Branch (and Director) of the Line 6 Crew Center, and Deputy Manager of Operation Branch No. 1.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



张大吉 / Zhang Daji

成都地铁运营有限公司运营一公司党委书记、总经理

Party Secretary and General Manager, No. 1 Operation Company, Chengdu Metro Operation Co., Ltd.

张大吉，2008年毕业于西南交通大学测控技术及仪器专业，现任成都地铁运营有限公司运营一公司党委书记、总经理，具有15年的城市轨道交通安全、机电设备运维、新线筹备等多领域管理经验。

Zhang Daji graduated from Southwest Jiaotong University in 2008 with a degree in Measurement, Control Technology, and Instrumentation. He is currently the Secretary of the Party Committee and General Manager of Operation No. 1 Company at Chengdu Metro Operation Co., Ltd. He has 15 years of management experience in various fields of urban rail transit, including safety, E&M equipment O&M, and new line preparation.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



杜茂金 / Du Maojin

南京地铁运营公司工务分公司科长

Infrastructure Branch, Nanjing Metro Operation Co., Ltd. Section Chief

杜茂金，本人从事地铁工务设备维保工作 20 余年，熟悉地铁工务生产员工的管理

Du Maojin I have been engaged in the maintenance of metro civil works equipment for over 20 years and am familiar with the management of front-line civil works staff.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



胡雪霏 / Hu Xuefei

交通运输部科学研究院

China Academy of Transportation Sciences

胡雪霏，女，硕士，交通运输部科学研究院副研究员，中国城市轨道交通协会运营管理专业委员会秘书，交通运输部“城市轨道交通智慧运营技术”创新团队核心成员。主要从事城市轨道交通运营组织、服务质量管理、人员管理等方向研究。主持和参与完成多项国家重点研发计划项目课题、交通运输行业重点科技项目，主编和参编国家和行业标准 10 余项。

Hu Xuefei, female, holds a Master's degree and is an Associate Researcher at the China Academy of Transportation Sciences. She serves as the Secretary of the Operation Management Professional Committee of the China Association of Metros and is a core member of the Ministry of Transport's "Innovative Team for Smart Urban Rail Transit Operation Technology". Her research focuses on urban rail transit operation organization, service quality management, and personnel management. She has led and participated in several national key R&D program projects and key science and technology projects in the transportation industry. She has also served as the chief editor or co-editor for over 10 national and industry standards.

2025 CAMET 论坛 FORUM

分论坛八：

智能建造

Intelligent Construction

论坛架构 / FORUM STRUCTURE

论坛时间: 2025年9月19日 14:00-18:00

论坛地点: 中铁青岛世界博览城 N6 馆论坛会场

主办单位: 中国城市轨道交通协会

承办单位: 中国城市轨道交通协会工程建设专业委员会
北京中城轨会展有限公司

协办单位: 青岛地铁集团有限公司
杭州市地铁集团有限责任公司
济南轨道交通集团有限公司

支持单位: 中国交建轨道交通分公司
中国中铁股份有限公司

Forum Time: September 19, 2025, 14:00-17:30

Venue: China Railway Qingdao Cosmopolitan Exposition Forum Hall, Hall N6

Hosted by: China Association of Metros (CAMET)

Organized by: Engineering and Construction Committee, China Association of Metros
Beijing MetroTrans Exhibition Co., Ltd.

Co-organized by: Qingdao Metro Group Co., Ltd.
Hangzhou Metro Group Co., Ltd.
Jinan Rail Transit Group Co., Ltd.

Supported by: China Communications Construction Company Ltd. Rail Transit Branch
China Railway Group Limited



论坛议程 / FORUM AGENDA

主持人	赵一新 中国城市轨道交通协会工程建设专业委员会副主任兼秘书长
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一、主旨演讲

时 间	发言主题	发言嘉宾	单位及职务
14:00-14:05	介绍与会领导、专家		
14:05-14:15	协会绿智融创整体推进的安排	相关领导	中国城市轨道交通协会
14:15-14:40	杭州地铁风险智控技术实践与探索	赵 毅	杭州市地铁集团有限责任公司党委委员、副总经理
14:40-15:05	绿智融合，助力城市轨道交通高质量可持续发展	芦睿泉	青岛地铁集团有限公司副总经理
15:05-15:30	全断面掘进机智能化控制技术实践与探索	杨 辉	中交天和机械设备制造有限公司 副总经理兼总工程师
15:30-15:55	地铁海底通道之复杂工况下智能建造关键技术研发及应用	张佩竹	中铁第六勘察设计院集团有限公司 副总工程师
15:55-16:20	地下车站装配式结构建造技术研究与实践	刘宝许	中国交建轨道交通分公司 科学技术与数字化部总经理
16:20-16:45	数智化勘察技术研究与应用	李世民	北京城建勘测设计研究院有限责任公司 副总工程师、城市安全研究院院长

二、圆桌讨论：面向十五五的城轨青年圆桌论坛

14:00-18:00	<p>主持人：黄伏莲 中国城市轨道交通协会工程建设专业委员会副秘书长</p> <p>讨论嘉宾：</p> <p>(1) 柳满军 杭州地铁建设管理有限公司建设事业部部长</p> <p>(2) 刘 扬 青岛地铁集团总工办副主任、青岛铁路建设投资有限公司执行董事（主持工作）</p> <p>(3) 权 威 中国交建轨道交通分公司技术研发中心部门经理，高级工程师</p> <p>(4) 李培卿 北京城建设计发展集团股份有限公司青岛分院副院长，高级工程师</p> <p>(5) 刘 皓 广州地铁设计研究院股份有限公司规划所所长，高级工程师</p> <p>(6) 王 凯 中铁隧道局集团有限公司隧道掘进机及智能运维全国重点实验室研发二所研发工程师 高级工程师</p>
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智能建造

INTELLIGENT CONSTRUCTION

论坛议程 / FORUM AGENDA

Host	Zhao Yixin, Deputy Director and Secretary-General, Engineering Construction Committee of China Association of Metros (CAMET)
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I. KEYNOTE SPEECHES

Time	TOPIC	SPEAKERS	AFFILIATION & TITLE
14:00-14:05	Introduction of Attending Leaders and Experts		
14:05-14:30	Arrangements for the Association's Overall Advancement of Green and Smart Integrated Innovation	Ding Shukui	Vice President , China Association of Metros
14:30-14:55	Intelligent Risk Control Technologies at Hangzhou Metro: Practices and Explorations	Zhao Yi	Hangzhou Metro Group Co., Ltd. Member of the Party Committee, Deputy General Manager
14:55-15:20	Green-Smart Integration: Powering the High-Quality Sustainable Development of Urban Rail Transit	Lu Ruiquan	Deputy General Manager, Qingdao Metro Group Co., Ltd.
15:20-15:45	Advancements in Intelligent Control Technology for Tunnel Boring Machines	Yang Hui	General Manager, Science, Technology & Digitalization Dept., China Communications Construction Company Ltd. Rail Transit Branch
15:45-16:05	Intelligent Shield Tunneling for Subsea Metro Corridors: Navigating Complex Conditions	Zhang Peizhu	Deputy Chief Engineer, China Railway Sixth Survey and Design Institute Group Co., Ltd.
16:05-16:30	Prefabricated Structures for Underground Stations: Research and Application	Liu Baoxu	General Manager, Science, Technology & Digitalization Dept., China Communications Construction Company Ltd. Rail Transit Branch
16:05-16:30	Research and Application of Digital and Intelligent Surveying Technologies	Li Shimin	Deputy Chief Engineer & President of Urban Safety Research Institute, Beijing Urban Construction Exploration & Design Research Institute Co., Ltd.

智能建造

INTELLIGENT CONSTRUCTION

II. Panel Discussion: Urban Rail Youth Roundtable - A Look Towards the 15th Five-Year Plan

14:00-18:00	<p>Moderator: Huang Fulian, Deputy Secretary-General, Engineering and Construction Committee, China Association of Metros</p> <p>Panelists:</p> <p>(1)Liu Manjun, Director of Construction Business Dept., Hangzhou Metro Construction Management Co., Ltd.</p> <p>(2) Liu Yang, Deputy Director, Office of the Chief Engineer, Qingdao Metro Group</p> <p>(3) Quan Wei, Department Manager & Senior Engineer, Technology R&D Center, China Communications Construction Company Ltd. Rail Transit Branch</p> <p>(4) Li Peiqing, Deputy Dean & Senior Engineer, Qingdao Branch, Beijing Urban Construction Design & Development Group Co., Ltd.</p> <p>(5) liu Hao, Director of Planning Department and Senior Engineer, Guangzhou Metro Design & Research Institute Co. td.</p> <p>(6) Wang Kai, R&D Engineer and Senior Engineer of the Second R&D Institute at the National Key Laboratory of Tunnel Boring Machine and Intelligent Operation and Maintenance, China Railway Tunnel Group Co., Ltd.</p>
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嘉宾简介 / BIOGRAPHY OF THE SPEAKERS

赵一新 / Zhao Yixin

中国城市轨道交通协会工程建设专业委员会副主任兼秘书长

中国城市规划设计研究院副总工程师、交通分院院长

Deputy Director and Secretary General of Engineering Construction Committee

President of the Urban Transport Research Branch of the China Academy of Urban Planning and Design



赵一新，教授级高级工程师，现任中国城市规划设计研究院城市交通研究分院院长，中国城市轨道交通协会工程建设专委会副主任兼秘书长、中国城市规划学会城市交通规划学委会秘书长、住建部科技委市政交通专业委员会专家，国家标准《城市轨道交通工程项目规范》和《城市轨道交通客运服务规范》的负责人，《中国城市轨道交通工程建设发展报告》的主编，科技部重点研发计划课题负责人，多次获得国家优秀设计金奖和银奖、中国智能交通协会科学技术奖和全国优秀规划设计奖。

Zhao Yixin, professorate senior engineer, currently serves as the Director of Urban Transportation Branch, China Academy of Urban Planning & Design, Deputy Director and Secretary-General of Engineering Construction Committee, China Association of Metros, Secretary-General of Transportation Planning Committee, Urban Planning Society of China, and expert of Municipal Transportation Committee, Science & Technology Committee, MoHURD; the person in charge of the national standards Project Code for Engineering of Urban Rail Transit and Service Specification for Urban Rail Passenger Transport; editor in chief of Report on Development of Urban Rail Transit Engineering Construction in China; the project leader of key R&D program of Ministry of Science and Technology of the People's Republic of China. He has won multiple National Excellent Design Gold and Silver Awards, Science and Technology Award of China Intelligent Transportation Systems Association, and National Excellent Planning and Design Award.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



赵毅 / Zhao Yi

杭州市地铁集团有限责任公司党委委员、副总经理

Hangzhou Metro Group Co., Ltd. Member of the Party Committee, Deputy General Manager

赵毅，现任杭州市地铁集团有限责任公司党委委员、副总经理，杭州市劳模。作为建设工程管理的主要负责人，全过程参与建成杭州地铁 516 公里线网，在建四期工程 152 公里。

Zhao Yi As Member of the Party Committee and Deputy General Manager at Hangzhou Metro Group Co., Ltd., Zhao Yi is also a recipient of the distinguished Hangzhou Municipal Model Worker award. As the key executive overseeing construction management, he has guided the development of Hangzhou's 516-kilometer metro network from start to finish and currently spearheads the construction of the 152-kilometer Phase IV expansion.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



芦睿泉 /Lu Ruiquan

青岛地铁集团有限公司副总经理

Qingdao Metro Group Co., Ltd. Deputy General Manager

芦睿泉，自 2023 年 6 月 30 日起任青岛地铁集团有限公司副总经理，分管轨道交通计划统筹、技术创新、标准规范、铁路投资、低空经济，及 7 号线二期、15 号线建设工作。获奖荣誉：

- 1.2025 年北京市轨道交通学会科技进步二等奖；
- 2.2024 年获山东省技术发明奖一等奖；
- 3.2021 年获山东省科技进步奖二等奖；
- 4.2022 年及 2018 年青岛市科技进步奖二等奖；
5. 获第十五届詹天佑奖。

Lu Ruiquan Appointed Deputy General Manager of Qingdao Metro Group on June 30, 2023, Lu Ruiquan's portfolio includes strategic planning, technological innovation, standards, and railway investment for rail transit. He also directs the construction of Line 7 (Phase II) and Line 15 and oversees initiatives in the low-altitude economy. Awards and Honors:

1. Second Prize, 2025 Beijing Municipal Rail Transit Society Science and Technology Progress Award;
2. First Prize, 2024 Shandong Provincial Technical Invention Award;
3. Second Prize, 2021 Shandong Provincial Science and Technology Progress Award;
4. Second Prize, 2022 and 2018 Qingdao Municipal Science and Technology Progress Award;
5. Recipient of the 15th China Civil Engineering Jeme Tien-Yow Award.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



杨辉 /Yang Hui

中交天和机械设备制造有限公司正高级工程师副总兼总工

Professor Level Deputy General Manager and Chief Engineer

杨辉，现任中交天和机械设备制造有限公司副总经理兼总工程师，正高级工程师。在全断面隧道掘进机技术领域拥有丰富经验和多项成果，牵头组织多项核心技术攻关，拥有发明专利 14 项；参与国家标准编制 4 项；发表学术论文 6 篇；获得中交集团科学技术特等奖、中国施工企业管理科学技术奖一等奖、中国公路学会科学技术一等奖等 13 项科学技术奖；荣获 2018 年中国交建创新英才奖和中国交建十大杰出青年称号，入选江苏省 333 高层次人才培养工程。

Yang Hui is currently Deputy General Manager and Chief Engineer of CCCC Tianhe Machinery & Equipment Manufacturing Co., Ltd., and holds the title of Senior Engineer (Professor Level). He has rich experience and a number of achievements in the field of full-face tunnel boring machine (TBM) technology. He has led the organization of multiple key technology research initiatives, holds 14 invention patents, participated in the formulation of 4 national standards, and published 6 academic papers. He has won 13 science and technology awards, including the CCCC Group Science and Technology Special Award, the First Prize of China Construction Enterprise Management Science and Technology Award, and the First Prize of the Science and Technology Award of China Highway and Transportation Society. In addition, he received the 2018 CCCC Innovation Talent Award and the title of 2018 Top 10 Outstanding Youths of CCCC, and was selected into Jiangsu Province's "333 High-Level Talent Cultivation Project".

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



张佩竹 /Zhang Peizhu

中铁第六勘察设计院集团有限公司集团副总工程师

China Railway Sixth Survey and Design Institute Group Co., Ltd. Deputy Chief Engineer of the Group

张佩竹，男，1989年毕业于西南交通大学，中铁第六勘察设计院集团有限公司集团副总工程师、正高工，中国城轨协会专家和学术委员会委员、中国土木工程学会轨道交通分会理事、中国铁道学会勘察设计委员会委员、科技部科技及重大专项等评审专家、中国施企协会科技专家、多省市科技奖及建设领域评审或评标专家、商务部对外援助评审专家、铁道部壹级总监、北京联合大学硕士研究生校外导师，等；作为主管总工、项目经理、项目总体或专业总工负责了京、津、渝、深、宁、厦、德黑兰等国内外数十余城市众多城轨、磁浮及市政等项目；是国家“十一五”科技支撑计划重大项目课题负责人等；主持的勘察设计项目获国家及天津等省市科技奖、优秀勘设及咨询成果奖数十项，发表论文12篇，获发明专利12项、实用新型8项等多项成果。

Zhang Peizhu is the Deputy Chief Engineer and a Professorate Senior Engineer at China Railway Sixth Survey and Design Institute Group Co., Ltd., having graduated from Southwest Jiaotong University in 1989. He is a highly respected authority in the field, serving on numerous influential bodies, including CAMET's Expert and Academic Committee, the council of the China Civil Engineering Society's Rail Transit Branch, and the China Railway Society's Survey and Design Committee. His expertise is frequently sought for high-level review panels for the Ministry of Science and Technology and the China Association of Construction Enterprise Management, among others. Over his career, he has personally directed a diverse portfolio of urban rail, maglev, and municipal projects across dozens of cities, from Beijing and Shenzhen to Tehran. He also led a key research topic for a major project under the "11th Five-Year" National Science and Technology Support Plan. The design projects under his leadership have earned dozens of national and provincial awards, and his professional contributions include 12 published papers, 12 invention patents, and 8 utility model patents.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



黄伏莲 /Huang Fulian

中国城市轨道交通协会工程建设专业委员会副秘书长

China Association of Metros Deputy Secretary General of Engineering Construction Committee

黄伏莲，北京城建勘测设计院原副院长，教授级高级工程师，注册土木工程师（岩土）。从事岩土勘察、水文地质、工程监测行业三十多年，在勘察、水文、监测、科研等方面具有扎实的理论基础和丰富的工程实践经验，具有在全国多座城市轨道交通工程勘测及科研履历，在行业内享有较高知名度和影响力。担任中国城市轨道交通协会工程建设专业委员会副秘书长。

Huang Fulian, former vice president of Beijing Urban Construction Exploration & Surveying Design Research Institute Co., Ltd., professor-level senior engineer, registered civil engineer (geotechnical). She has been engaged in geotechnical investigation, hydrogeology, and engineering monitoring for more than 30 years, with a solid theoretical foundation and rich engineering practice experience in exploration, hydrology, monitoring, scientific research, and other fields. She has been engaged in rail transit engineering surveying and research in multiple cities across the country, and enjoys high recognition and influence in the industry.

Huang serves as the Deputy Secretary General of the Engineering Construction Committee of China Association of Metros .

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



刘宝许 /Liu Baoxu

中国交建轨道交通分公司科学技术与数字化部总经理

*Rail Transit Branch, China Communications Construction Company Ltd. (CCCC)
General Manager, Science, Technology, and Digitalization Department*

刘宝许，牵头或参与完成国家或省市重点工程，如：福州 - 银川高速陕西篮 - 商高速公路、包头 - 茂名高速陕西秦岭终南山隧道、黑龙江省哈尔滨地铁 3 号线二期工程等多个重大项目建设，项目获得国家科技进步一等奖、交通部特等奖、詹天佑奖、黑龙江省优质工程奖、哈尔滨市优质工程金奖等多项国家级、省部级奖项。

Liu Baoxu has led or played a key role in delivering multiple national and provincial-level engineering projects. His portfolio includes the G70 Fuzhou-Yinchuan Expressway, Lan'tian-Shangluo Expressway in Shaanxi, the Zhongnanshan Tunnel in Shaanxi on the G65 Baotou-Maoming Expressway, and the Harbin Metro Line 3 Phase II Project in Heilongjiang Province. These projects have secured a host of prestigious honors, including the First Prize of the National Science and Technology Progress Award, a Special Prize from the Ministry of Transport, and the China Civil Engineering Jeme Tien-Yow Award.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



李世民 /Li Shimin

北京城建勘测设计研究院有限责任公司副总工程师、城市安全研究院院长

Beijing Urban Construction Exploration & Surveying Design Research Institute Co., Ltd.

Deputy Chief Engineer and President of the Urban Security Research Institute

李世民，正高级工程师，国家注册岩土工程师。就职于北京城建勘测设计研究院有限责任公司，任副总工程师、城市安全研究院院长。

获全国“盾构工匠”和中国勘察“青年工匠”荣誉称号。社会兼任吉林大学校外博士生导师、住建部工程勘测标委会委员、中国地球物理学会城市与地下空间专委会副主任等职。

深耕城市勘测与安全领域 20 年，以数字化创新推动行业转型升级，获国家及省部级奖项 38 项，授权发明专利 13 项，主参编国家及地方

Li Shimin is a Professorate Senior Engineer and a National Registered Geotechnical Engineer. He serves as Deputy Chief Engineer and President of the Urban Security Research Institute at Beijing Urban Construction Exploration & Surveying Design Research Institute Co., Ltd. Co., Ltd.

He was awarded the honorary titles of ‘National Shield Machine Craftsman’ and ‘China Survey Youth Craftsman’. His professional affiliations include serving as an external doctoral supervisor for Jilin University, a committee member for the Engineering Survey Standardization Committee of the Ministry of Housing and Urban-Rural Development (MOHURD), and Vice Chairman of the Urban and Underground Space Committee of the Chinese Geophysical Society.

With a 20-year career dedicated to urban survey and security, he drives industry transformation through digital innovation. He is a recipient of 38 national, provincial, and ministerial awards, holds 13 authorized invention patents, and has led or co-authored numerous national and local standards.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



柳满军 /Liu Manjun

杭州地铁建设管理有限公司建设事业部部长

Hangzhou Metro Construction Management Co., Ltd. Head of the Construction Department

柳满军，杭州地铁建管公司建设事业部部长，曾获杭州市劳动模范、杭州市城市品质提升个人嘉奖、杭州第19届亚运会火炬手等荣誉，2023年被推选为浙江省总工会第十六届委员会委员，现负责杭州地铁10号线二期、三期的建设管理工作。

Liu Manjun As Head of the Construction Department at Hangzhou Metro Construction Management Co., Ltd., Liu Manjun spearheads the delivery of Hangzhou Metro Line 10 (Phase II & III). A recognized industry leader, he has received numerous honors, including the Hangzhou Municipal Model Worker award and a personal commendation for enhancing the city's urban quality. A torchbearer for the 19th Asian Games, Mr. Liu was also elected to the 16th Committee of the Zhejiang Provincial Federation of Trade Unions in 2023.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



刘扬 /Liu Yang

青岛地铁集团有限公司总工办副主任

Qingdao Metro Group Co., Ltd. Deputy Director of the Chief Engineer's Office

刘扬，曾任职中国铁路设计集团，深度参与京沈客运专线、泛亚铁路等 20 余项国家级铁路工程核心设计，积累跨区域轨道交通实践经验。2017 年加入青岛地铁集团，牵头设计管理体系搭建与工程数字化转型，统筹各线路设计管控。通过设计优化与技术革新，地铁三期（7 条线路）节约投资超 60 亿元；参与研发的地铁盾构法隧道衬砌换热技术取得山东省技术发明一等奖。

Liu Yang Formerly with China Railway Design Corporation, Liu Yang built his extensive cross-regional rail transit expertise by playing a core design role in over 20 national railway projects, including the Beijing-Shenyang Passenger Dedicated Line and the Trans-Asian Railway. Since joining Qingdao Metro Group in 2017, he has led the development of its design management framework and spearheaded its digital engineering transformation, overseeing design control across all metro lines. His focus on design optimization and technological innovation has generated over CNY 6 billion in investment savings for the metro's third phase (7 lines). He also co-developed a shield tunnel lining heat exchange technology that earned the First Prize at the Shandong Provincial Technology Invention Awards.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



权威 /Quan wei

隧道掘进机及智能运维全国重点实验室研发二所副所长

*National Key Laboratory of Tunnel Boring Machine and Intelligent Operation and Maintenance
Deputy Director, Second R&D Institute*

权威，现任中交集团轨道交通分公司轨道 BIM 中心副经理。

Quan Wei, currently serving as Deputy Manager of the Rail BIM Center, Rail Transit Branch of CCCC Group.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



李培卿 /Li Peiqing

北京城建设计发展集团股份有限公司青岛分院副院长

Beijing Urban Construction Design & Development Group Co., Limited Vice President of the Qingdao Branch

李培卿，熟悉城市轨道交通的勘察设计相关知识，掌握城市轨道交通工程地下结构设计和施工配合流程，擅长装配式结构设计、TBM/盾构区间隧道设计、明暗挖地下工程设计等。专业技术能力强，技术素养较高，现已授权专利 10 余项，编写青岛地铁集团企业标准 6 项，在编省级、行业标准 3 项，参编专著 1 本，参与国家重点研发计划项目 2 项，获得省部级、市级等科技进步奖 8 项。目前担任北京城建设计发展集团股份有限公司青岛分院副院长，兼任青岛理工大学土木工程学院毕业设计校外指导老师、城市轨道交通工程青岛专家工作站专家、北京市战略科技人才团队成员、北京城建设计发展集团股份有限公司中青年后备技术人才。

Li Peiqing commands comprehensive expertise in urban rail transit survey and design. He is highly proficient in underground structural design and construction coordination, with specializations in prefabricated structures, TBM/shield tunneling, and cut-and-cover/mined engineering techniques. A professional of high technical caliber, he holds over 10 authorized patents and has authored 6 corporate standards for Qingdao Metro Group. He is currently shaping 3 new provincial and industry standards, has co-authored 1 monograph, and has participated in 2 national key R&D programs. His work has been recognized with 8 science and technology progress awards at the provincial, ministerial, and municipal levels. In his current role as Vice President of the Qingdao Branch, he also serves as an external thesis advisor for Qingdao University of Technology's School of Civil Engineering, an expert at the Qingdao Urban Rail Transit Engineering Workstation, a member of the Beijing Strategic Science and Technology Talent Team, and a designated member of his group's young technical talent reserve.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



刘皓 /Liu Hao

广州地铁设计研究院股份有限公司高级工程师、规划所所长

Guangzhou Metro Design & Research Institute Co., Ltd. Senior Engineer Director of Planning Institute

刘皓主要从事轨道交通前期规划和线路设计等领域研究工作。近年来，先后主持和参与了广州、佛山、苏州、南昌等地的轨道交通线网及近期建设规划，出版了《城市轨道交通线路设计与实践》等书籍。获得过全国优秀工程咨询成果二等奖和优秀奖各 1 项、广东省优秀工程咨询成果一等奖 1 项、广东省优秀工程咨询成果二等奖 2 项、广州地铁集团先进工作者、优秀党员等荣誉 2 项、广州地铁设计院十大优秀设计师、新进工作者等荣誉 2 项。

Liu Hao is primarily engaged in research in fields such as the preliminary planning and line design of rail transit. In recent years, he has led and participated in the planning of rail transit networks and recent construction plans in cities like Guangzhou, Foshan, Suzhou, and Nanchang. He has published books including Urban Rail Transit Line Design and Practice. He has won one second prize and one excellence award for National Outstanding Engineering Consulting Achievements, one first prize and two second prizes for Guangdong Provincial Outstanding Engineering Consulting Achievements, and two honors each for being an Advanced Worker and Outstanding Party Member of the Guangzhou Metro Group, as well as one of the Top Ten Outstanding Designers and an outstanding new employee of the Guangzhou Metro Design & Research Institute.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



王凯 /Wang Kai

中铁隧道局集团有限公司

隧道掘进机及智能运维全国重点实验室研发二所研发工程师，高级工程师

Engineer and Senior Engineer of the Engineer and Senior Engineer of the Laboratory of Tunnel Boring Machine and Intelligent Operation and Maintenance, China Railway Tunnel Group Co., Ltd.

王凯，男，机械工程专业，现任中铁隧道局隧道掘进机及智能运维全国重点实验室研发工程师，研究方向为盾构 TBM 智能化装备与施工技术、大数据挖掘，先后参与国家重点研发专项 3 项，参加汕头海湾隧道等重点工程建设，获省部级科技进步奖 5 项，发表论文 12 篇，授权发明专利 22 项。

Wang Kai is a Research and Development Engineer at the National Key Laboratory of Tunnel Boring Machine and Intelligent Operation and Maintenance, affiliated with the China Railway Tunnel Group (CRTG). He holds a degree in Mechanical Engineering, and his research is primarily directed towards intelligent equipment and construction technologies for Shield TBMs, as well as big data mining. His professional experience includes participation in three National Key Research and Development Programs and involvement in the construction of significant engineering projects, such as the Shantou Bay Tunnel. His contributions have been recognized with five Science and Technology Progress Awards at the provincial and ministerial levels. Furthermore, he has authored 12 academic papers and holds 22 granted invention patents.

分论坛九：

绿·智·融合可持续发展论坛暨总工沙龙

Green-Smart Integration for Sustainable Development Forum & Chief Engineer Salon

论坛架构 / FORUM STRUCTURE

论坛时间: 2025年9月19日 14:00-17:30

论坛地点: 中铁青岛世界博览城 会议中心 3层大宴会厅 5

主办单位: 中国城市轨道交通协会

承办单位: 中国城市轨道交通协会绿色智慧城轨建设领导小组办公室
中国城市轨道交通协会低运能系统分会
中国城市轨道交通协会单轨分会
北京中城轨文化传播有限公司

支持单位: 中车青岛四方机车车辆股份有限公司
中车长春轨道客车股份有限公司

Time: September 19, 2025, 14:00-17:30

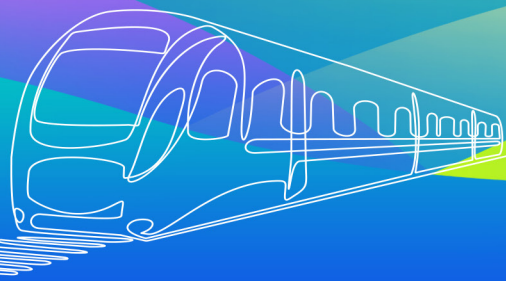
Venue: Grand Ballroom 5, 3rd Floor, Convention Center

Host: China Association of Metros (CAMET)

Executive Organizers: China Association of Metros Green Smart Urban Rail Construction Leading Group Office
China Association of Metros Low Transport Capacity System Branch
Monorail Branch, China Association of Metros
Beijing Sino Urban Railway Culture Media Co., Ltd.

Supported by: CRRC Qingdao Sifang Co., Ltd.

CRRC Changchun Railway Vehicles Co., Ltd.



论坛议程 / FORUM AGENDA

会议议程

主持人	姜永梅 中国城市轨道交通协会绿色智慧城轨建设领导小组办公室主任
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一、新书发布

时间	内容	发布嘉宾
14:00-14:10	西南交通大学出版社何明飞介绍包会长作序及业界大咖推荐语 《城轨评价学导论—城市轨道交通可持续发展综合评价研究》发布 作者：于松伟 刘巍 文庭孝	中国城市轨道交通协会相关领导 西南交通大学出版社总编 郑持军

二、主题发言

时间	发言主题	发言嘉宾	单位及职务
14:10-14:30	“四大战略”——城轨交通发展新质生产力实现高质量跃升的重大举措	邢智明	中国城市轨道交通协会 专家和学术委员会荣誉委员
14:30-14:45	区域协同与韧性提升： 智慧赋能在都市圈中的落地实践	孙舒淼	南京地铁集团有限公司副总经理
14:45-15:00	南宁城市公共交通融合实践	张世荣	南宁轨道交通投资集团有限公司总工程师
15:00-15:15	“资源循环+轨道交通”产业融合发展实践	赵欢	天津轨道交通产业发展集团有限公司总经理
15:15-15:30	绿智融合引领山地交通变革 — 重庆跨座式单轨的实践与价值	付铁军	重庆轨道交通运营有限公司技术创新中心主任
15:30-15:45	武汉光谷空轨旅游线探索与运用实践	王安军	武汉光谷交通运营有限公司总经理

绿·智·融合可持续发展论坛暨总工沙龙

GREEN-SMART INTEGRATION FOR SUSTAINABLE DEVELOPMENT FORUM & CHIEF ENGINEER SALON

论坛议程 / FORUM AGENDA

主持人	冯爱军 中国城市轨道交通协会低运能系统分会副会长
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三、主题演讲

时 间	发言主题	发言嘉宾	单位及职务
15:45-16:00	深圳地铁五期工程高质量建设管理探索与实践	刘人菩	深圳地铁建设集团有限公司 27 号线项目部副总经理
16:00-16:15	城市基础设施建设安全隐患智能化排查技术演进与管理模式优化研究	唐明明	北京安捷工程咨询有限公司总经理
16:15-16:30	宜宾智轨融合运营发展报告	李树培	中国城市轨道交通协会低运能系统分会副会长 四川川南轨道交通运营有限公司 党总支书记、董事长
16:30-16:45	氢能轨道交通车辆关键技术研究及产品研发	王 健	中车长春轨道客车股份有限公司 未来技术研究部副部长
16:45-17:00	新一代绿智融合城轨列车自主协同控制平台研究及应用	吕浩炯	湖南中车时代通信信号有限公司副总工程师
17:00-17:15	《城市轨道交通绿色线路评价标准》： 赋能城轨绿色发展，助力转型目标达成	冯西培	北京城建设计发展集团技术研究院副院长
17:15-17:30	青岛地铁绿色城轨建设及绿智融合发展成果	邢春阳	青岛地铁集团有限公司 副总工程师，数智发展部、设备技术部部长

会议结束

绿·智·融合可持续发展论坛暨总工沙龙

GREEN-SMART INTEGRATION FOR SUSTAINABLE DEVELOPMENT FORUM & CHIEF ENGINEER SALON

论坛议程 / FORUM AGENDA

Moderator	Lou Yongmei, Director of the Green Smart Urban Rail Construction Leading Group Office, China Association of Metros (CAMET)
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I. BOOK LAUNCH

TIME	CONTENT	LAUNCH GUESTS
14:00-14:10	<p>He Mingfei from Southwest Jiaotong University Press introduces the preface by President Bao and endorsements from industry leaders.</p> <p>Launch of Introduction to Urban Rail Evaluation: A Comprehensive Evaluation Study on the Sustainable Development of Urban Rail Transit</p> <p>Authors: Yu Songwei, Liu Wei, Wen Tingxiao</p>	Xia Xiujiang, Vice President of China Association of Metros (CAMET) and Secretary of the Party Committee & General Manager of Beijing Urban Construction Design & Development Group; Editor-in-Chief of Zheng Chijun Southwest Jiaotong University Press.

II. THEMATIC SPEECHES

TIME	TOPIC	SPEAKER	AFFILIATION & TITLE
14:10-14:30	The "Four Major Strategies": A Major Initiative for Achieving High-Quality Advancement by Developing New Quality Productive Forces in Urban Rail Transit	Xing Zhiming	Honorary Member, Experts and Academic Committee, China Association of Metros (CAMET)
14:30-14:45	Regional Synergy and Resilience Enhancement: The Practical Application of Smart Technology in Metropolitan Areas	Sun Shumiao	Deputy General Manager, Nanjing Metro Group Co., Ltd.
14:45-15:00	The Practice of Integrated Public Transportation in Nanning	Zhang Shirong	Chief Engineer, Nanning Rail Transit Investment Group Co., Ltd.
15:00-15:15	The Practice of "Resource Recycling + Rail Transit" Industrial Integration and Development	Zhao Huan	General Manager, Tianjin Rail Transit Industry Development Group Co., Ltd.
15:15-15:30	Green-Smart Integration Leading the Transformation of Mountain Transportation: The Practice and Value of Chongqing's Straddle-beam Monorail	Fu Tiejun	Director of Technology Innovation Center, Chongqing Rail Transit Operation Co., Ltd.
15:30-15:45	Exploration and Application of Optics Valley Suspended Monorail Tourism Line	Wang Anjun	General Manager, Wuhan Optics Valley Traffic Operation Co., Ltd.

绿·智·融合可持续发展论坛暨总工沙龙

GREEN-SMART INTEGRATION FOR SUSTAINABLE DEVELOPMENT FORUM & CHIEF ENGINEER SALON

论坛议程 / FORUM AGENDA

TIME	TOPIC	SPEAKER	AFFILIATION & TITLE
Moderator	Feng Aijun, Vice President of the China Association of Metros Low Transport Capacity System Branch		
15:45-16:00	Exploration and Practice of High-Quality Construction Management for Phase V of the Shenzhen Metro Project	Liu Renpu	Deputy General Manager of the Line 27 Project Department, Shenzhen Metro Construction Group Co., Ltd.
16:00-16:15	Research on the Evolution of Intelligent Safety Hazard Detection Technologies and the Optimization of Management Models for Urban Infrastructure Construction	Tang Mingming	General Manager, Beijing Anjie Engineering Consulting Co., Ltd.
16:15-16:30	Yibin Autonomous-rail Rapid Transit (ART) Integrated Operation Development Report	Li Shupeii	Vice President of the Low-Capacity System Branch, CAMET; Secretary of the Party Committee, Chairman of Sichuan Chuannan Rail Transit Operation Co., Ltd.
16:30-16:45	Research on Key Technologies and Product Development for Hydrogen-Powered Rail Transit Vehicles	Wang Jian	Deputy Director of the Future Technology Research Department, CRRC Changchun Railway Vehicles Co., Ltd.
16:45-17:00	Research and Application of a New-Generation Green-Smart Integrated Autonomous Collaborative Control Platform for Urban Rail Trains	Lü Haojiong	Deputy Chief Engineer, Hunan CRRC Times Communication Signal Co., Ltd.
17:00-17:15	Evaluation Standard for Green Urban Rail Transit Lines: Empowering Green Development and Aiding in the Achievement of Transformation Goals	Feng Xipei	Vice President of the Technology Research Institute, Beijing Urban Construction Design & Development Group
17:15-17:30	Evaluation Standard for Green Urban Rail Transit Lines: Empowering Green Development and Aiding in the Achievement of Transformation Goals	Xing Chunyang	Deputy Chief Engineer and Director of the Digital Intelligence Development & Equipment Technology Departments, Qingdao Metro Group Co., Ltd.

End of Session

绿·智·融合可持续发展论坛暨总工沙龙

GREEN-SMART INTEGRATION FOR SUSTAINABLE DEVELOPMENT FORUM & CHIEF ENGINEER SALON

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



邢智明 /Xing Zhiming

中国城市轨道交通协会专家和学术委员会荣誉委员

China Association of Metros Honorary Member, Expert and Academic Committee

邢智明，享受国务院特殊津贴专家，长期从事轨道交通信息化建设管理等工作，主持与参加国家“八五”重大科技攻关项目、中国铁路运输管理信息系统（TMIS）、青藏铁路信息系统、国家“863”物流项目及“12306”网站等重大工程建设；参加《智慧城轨》《绿色城轨》《融合城轨》等四大战略编写和实施，城轨云技术体系创建及技术指导，论文多篇、著作多部。曾获铁道部多项科技成果奖；詹天佑铁道科技成就奖；中国铁路火车头奖章等。

Xing Zhiming He has extensive experience in the management of rail transit informatization projects. He has led and participated in major national initiatives, including key scientific projects during the “8th Five-Year Plan”, the China Railway Transport Management Information System (TMIS), the Qinghai-Tibet Railway Information System, the National “863” Logistics Project, and the development of the “12306” website. He contributed to the drafting and implementation of four major strategies, including Smart Urban Rail, Green Urban Rail, and Integrated Urban Rail, and provided technical guidance for the creation of the urban rail cloud technology system. He has authored numerous papers and books. He has received multiple science and technology achievement awards from the Ministry of Railways, the Jeme Tien Yow Railway Science & Technology Achievement Award, and the China Railway Locomotive Medal.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



孙舒淼 /Sun Shumiao

南京地铁集团有限公司正高级工程师副总经理

Nanjing Metro Group Co., Ltd. Professor-level Senior Engineer Deputy General Manager

孙舒淼，南京都市圈作为我国第一个获批的都市圈面临诸多挑战，南京地铁从“城市内通勤”服务转向“都市圈跨域联通”服务。为促进都市圈区域协同和韧性提升，南京地铁围绕都市圈乘客服务和综合运维两方面进行了探索实践，通过智慧赋能，打造出互信共享的都市圈乘客服务体系，以及资源集约、主动预判的综合运维体系，为国内都市圈、城市群的建设运营提供实践范例。

Sun Shumiao As China's first officially approved metropolitan area, the Nanjing Metropolitan Area presents unique challenges, compelling Nanjing Metro to evolve its service model from "intra-city commuting" to "inter-regional connectivity". To enhance regional synergy and resilience, Nanjing Metro has pioneered strategic initiatives focused on two core pillars: passenger services and comprehensive O&M. By leveraging intelligent technologies, we have successfully developed a trust-based, shared passenger service system for the metropolitan area, alongside a resource-efficient, predictive O&M framework. These achievements provide a proven, practical model for the construction and operation of metropolitan areas and city clusters across the country.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



张世荣 /Zhang Shirong

南宁轨道交通投资集团有限公司总工程师

Nanning Communications Investment Group Co., Ltd. Chief Engineer

张世荣，总工程师，主管南宁轨道交通工程建设线网规划、立项、勘察、设计、枢纽建设。中国人民政治协商会议第十二届广西壮族自治区委员会委员，广西壮族自治区特聘专家，中国城市轨道交通协会信息化专业委员会副主任委员 中国城市轨道交通协会工程咨询专业委员会委员 中国城市轨道交通协会工程建设专业委员会委员 广西交通运输标准化技术委员会委员 主持南宁轨道交通工程 1、2、3、4、5 号线高质量开通。

Zhang Shirong Chief Engineer, overseeing the network planning, project approval, survey, design, and hub construction of Nanning Rail Transit projects.

Member of the 12th Guangxi Zhuang Autonomous Regional Committee of the Chinese People's Political Consultative Conference (CPPCC);

Distinguished Expert of Guangxi Zhuang Autonomous Region;

Vice Chair of the Informatization Committee of China Association of Metros (CAMET);

Member of the Engineering Consulting Committee of CAMET;

Member of the Engineering Construction Committee of CAMET;

Member of the Guangxi Transportation Standardization Technical Committee.

Spearheaded the high-quality commissioning of Nanning Rail Transit Lines 1, 2, 3, 4, and 5.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



邢春阳 /Xing Chunyang

青岛地铁集团有限公司集团副总工程师，数智发展部、设备技术部部长

*Qingdao Metro Group Co., Ltd. Deputy Chief Engineer of the Group;
Director, Digital Intelligence Development & Equipment Technology Departments, Qingdao Metro Group*

邢春阳，1999年毕业于大连交通大学，现任青岛地铁集团副总工程师，数智发展部、设备技术部部长，有丰富的数智化、绿色化规划、建设理论及实战经验。牵头《青岛市城市轨道交通智慧城轨顶层规划》及《青岛地铁数字化转型总体规划》发布，主导完成行业首个企业级数据标准编制；先后取得实用新型专利授权5项，软著授权11项，6号线TACS国家示范工程建设、BIM、智慧工地等案例、论著获得国家、省市及行业主管单位的表彰、刊发。

Xing Chunyang A 1999 graduate of Dalian Jiaotong University, Xing Chunyang currently serves as the Deputy Chief Engineer of Qingdao Metro Group and Director of the Digital Intelligence Development & Equipment Technology Departments. He possesses extensive theoretical and practical experience in planning and constructing digital, Green, and Smart systems. He led the release of the Top-Level Plan for Smart Urban Rail in Qingdao and the Overall Plan for Digital Transformation of Qingdao Metro, and directed the creation of the industry's first enterprise-level data standard. He holds 5 utility model patents and 11 software copyrights. His work on landmark projects, including the TACS National Demonstration Project for Line 6, BIM applications, and Smart Construction Sites, has received recognition and has been published by national, provincial, and industry authorities.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



赵欢 /Zhao Huan

天津轨道交通产业发展集团有限公司党支部书记、董事、总经理

Tianjin Rail Transit Group Co., Ltd. Secretary of the Party Branch, Director, General Manager

赵欢，2017年，牵头组织天津地铁能源管理系统自主研发质量管理小组，获评天津市优秀质量管理小组卓越领导者荣誉称号。

2020年，获评天津市劳动模范称号。2023年，牵头开展“城轨防汛智能指挥系统与管理模式的应用结合创新研究”项目，获交通行业设备管理与技术创新成果二等奖。

Zhao Huan In 2017, he led the establishment of a quality management team for the independent R&D of Tianjin Metro's energy management system and was honored as an Outstanding Leader of an Excellent Quality Management Team in Tianjin. In 2020, he was named a Model Worker of Tianjin. In 2023, he led the project "Innovative Research on the Application and Integration of an Intelligent Command System and Management Model for Urban Rail Flood Control", which won the second prize for Equipment Management and Technological Innovation in the transportation industry.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



李树培 /Shupe Li

四川川南轨道交通运营有限公司党总支书记、董事长

*Sichuan Chuannan Rail Transit Operation Co., Ltd
Secretary of the General Party Branch and chairman*

李树培，四川川南轨道交通运营有限公司党总支书记、董事长，兼任宜宾智轨交通有限公司董事长、总经理，中国城市轨道交通协会低运能分会副会长。李树培同志长期在农村、社区、企业、工业园区、党政机关任职，具有丰富的经济理论和实践经验。李树培同志主导建成全球第一条智轨商业运营线，建成第一条氢能智轨线、零碳智轨线。李树培同志带领团队，形成智轨咨询、投资、建设、运营等专业服务能力。李树培同志，四川川南轨道交通运营有限公司党总支书记、董事长，兼任宜宾智轨交通有限公司董事长、总经理，中国城市轨道交通协会低运能分会副会长。李树培同志长期在农村、社区、企业、工业园区、党政机关任职，具有丰富的经济理论和实践经验。李树培同志主导建成全球第一条智轨商业运营线，建成第一条氢能智轨线、零碳智轨线。李树培同志带领团队，形成智轨咨询、投资、建设、运营等专业服务能力。

Shupe Li Comrade Shupe Li is the Secretary of the Party General Branch and Chairman of the Board of Sichuan Chuannan Rail Transit Operation Co., Ltd. He also serves as the Chairman and General Manager of Yibin ART Co., Ltd., and as the Vice President of the Low-Capacity Transit System Branch of the China Association of Metros. With a long career serving in rural areas, communities, enterprises, industrial parks, and government agencies, Mr. Li possesses a wealth of economic theory and practical experience. Mr. Li led the development of the world's first commercial autonomous rail rapid transit (ART) line, the first hydrogen-powered ART line, and the first zero-carbon ART line. He has led his team to build professional service capabilities in ART consulting, investment, construction, and operation.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



王安军 /Wang Anjun

武汉光谷交通运营有限公司总经理

Wuhan Optics Valley Traffic Operation Co., Ltd. General Manager

王安军

- 1) 奖项: 武汉市黄鹤英才、中国城市轨道交通协会工匠精神模范、武汉市劳动模范等荣誉称号
- 2) 主持重大项目: 武汉光谷有轨电车 T1T2 线、BRT、水上交通及光谷空轨旅游线等重大城建项目
- 3) 论文、标准: 发表期刊论文 6 篇, 参与标准编制 5 项

Wang Anjun

- 1) Awards: Honorary titles including Wuhan Yellow Crane Talent, Model of Craftsman Spirit by the China Association of Metros, and Wuhan Model Worker.
- 2) Major Projects Led: Major urban construction projects such as the Wuhan Optics Valley T1/T2 Tram Lines, BRT, water transport, and the Optics Valley Suspended Monorail Tourism Line.
- 3) Publications and Standards: Published 6 journal papers and participated in the compilation of 5 standards.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



付铁军 /Fu Tiejun

重庆轨道交通运营有限公司技术创新中心主任

Chongqing Rail Transit Operation Co., Ltd. Director of Technology Innovation Center

付铁军，正高级工程师，现任重庆轨道交通运营公司技术创新中心主任。先后被评为全国交通运输文化建设先进个人、重庆市轨道交通建设突出贡献个人、重庆市交通强市建设先进个人；被聘为第二届重庆市轨道交通建设专家，重庆市房屋市政工程安全和应急管理专家。其多年深耕轨道建设管理与技术创新领域，主持多条轨道交通工程建设，主持或参与多项国家及地方科研项目及标准编制，主编专著 4 部，部分成果获中城轨协城市轨道交通科技进步奖

Fu Tiejun, a Professor-level Senior Engineer, is currently the Director of the Technology Innovation Center at Chongqing Rail Transit Operation Co., Ltd. He has been recognized as a National Advanced Individual in Transportation Culture Development, an Outstanding Contributor to Chongqing's Rail Transit Construction, and an Advanced Individual in Building Chongqing into a Transportation Powerhouse. He has been appointed as an expert for the 2nd Chongqing Rail Transit Expert Committee and the Chongqing Municipal Housing and Urban-Rural Development Safety and Emergency Management Expert Committee. With years of experience in rail construction management and technological innovation, he has overseen the construction of multiple rail transit projects, led or participated in numerous national and local research projects and standard compilations, served as the chief editor for four books, and some of his achievements have won the Urban Rail Transit Science and Technology Progress Award from the China Association of Metros.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



刘人菩 /Liu Renpu

深圳地铁建设集团有限公司深圳地铁 27 号线项目部副总经理

Shenzhen Metro Construction Group Co., Ltd.

Deputy General Manager, Shenzhen Metro Line 27 Project Department

刘人菩，长期从事地铁结构设计、设计与科研管理工作，深铁建设青年专家型人才建设小组成员。具体负责了多条地铁线路的设计与设计管理，牵头负责深圳地铁四期调整、五期工程的装配式车站研究专题，作为骨干成员全程参与广东省专项课题（《繁华城区地铁暗挖车站关键技术》）的示范应用项目科研——深圳地铁 12 号线二期沙三站组合顶管车站项目，并负责设计管理；参与深圳地铁相关体系文件编制。

Liu Renpu He has long been engaged in metro structural design, as well as design and research management. He is a member of the Young Expert Talent Development Team at Shenzhen Metro Construction Group. He has managed the design of multiple metro lines; led research on prefabricated stations for Shenzhen Metro's Phase IV adjustments and Phase V projects; served as a core member in the research and design management of the Guangdong provincial special project (Key Technologies for Mined Metro Stations in Bustling Urban Areas) on key technologies for mined metro stations in bustling urban areas- demonstrated in the Shasan Station combined pipe-jacking project of Shenzhen Metro Line 12 Phase II; and participated in drafting various system documents for Shenzhen Metro.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



唐明明 /Tang Mingming

北京安捷工程咨询有限公司总经理

AGILETECH Engineering Consultants Co., Ltd. General Manager

唐明明，高级工程师，中国石油大学（北京）博士研究生，2010年参加工作，从事安全风险咨询15年专业工作。曾任北京安捷工程咨询有限公司长春项目部负责人、公司东北区域负责人、副总经理。现任安捷公司总经理，《都市轨道交通》编委、北京城建设计发展集团专家委员会专家。发表论文30余篇，取得专利2项，参编地方标准6部，主参编专著3部，荣获北京城建设计发展集团优秀共产党员，山东省交通工程创新创业大赛二等奖等。

Tang Mingming is a Senior Engineer and a Ph.D. candidate at China University of Petroleum (Beijing). He began his career in 2010 and has 15 years of professional experience in safety risk consulting. He previously served as the Head of the Changchun Project Department, Head of the Northeast Region, and Deputy General Manager at AGILETECH Engineering Consultants Co., Ltd. He is currently the General Manager of AGILETECH, a member of the editorial board for the Urban Mass Transit journal, and an expert on the expert committee of Beijing Urban Construction Design & Development Group. He has published over 30 papers, obtained 2 patents, co-authored 6 local standards, and served as a chief or contributing author for 3 books. His honors include the Outstanding Communist Party Member award from Beijing Urban Construction Design & Development Group and a second prize in the Shandong Provincial Transportation Engineering Innovation and Entrepreneurship Competition.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



冯西培 /Feng Xipei

北京城建设计发展集团股份有限公司技术研究院副院长

*Beijing Urban Construction Design & Development Group Co.,
Limited Deputy Dean, Technology Research Institute*

冯西培，国家一级注册建筑师，北京市职称评审专家库评委、北京市科委中关村管委会专家库专家、北京市评标专家库专家、山东省科学技术厅科研评审专家库专家。从事城轨规划与设计工作 20 年，获得国家和省部级奖优秀工程勘察设计奖项 9 项，参与起草或参编《地铁设计标准》（修编）等国家、地方、团体标准等 16 项，在核心或一级期刊发表论文 5 篇，参与著作 4 部，拥有发明专利 3 项。

Feng Xipei is a National Class 1 Registered Architect and serves as an expert on several review committees, including the Beijing Professional Title Evaluation Committee, the Beijing Municipal Science & Technology Commission and Z-Park Administration Committee, the Beijing Bidding Evaluation Committee, and the Shandong Provincial Department of Science and Technology Research Review Committee. With 20 years of experience in urban rail planning and design, he has received nine national, provincial, and ministerial awards for excellence in engineering survey and design. He has participated in drafting or co-authoring 16 national, local, and industry standards, including the revised Metro Design Standard, has published five papers in core or top-tier journals, co-authored four books, and holds three invention patents.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



王健 /Wang Jian

中车长春轨道客车股份有限公司未来技术研究部副部长

CRRC Changchun Railway Vehicles Co., Ltd.

Deputy Director, Future Technology Research Department

王健，现任中车长客未来技术研究部副部长，始终致力于轨道交通车辆基础、前沿技术研究，自主研发了氢能市域列车混合动力系统能量管理算法，首次实现了大功率、长续航市域车氢电混合动力系统集成开发，支撑了全球首列氢能市域列车的研发，主持完成匈塞铁路动车组等重大研发项目及 10 余个其他市场项目的储能系统设计，中国科协第十届青年人才托举工程入选者、吉林省突出贡献人才、中车劳动奖章。

Wang Jian is the Deputy Director of the Future Technology Research Department at CRRC Changchun Railway Vehicles Co., Ltd. He is dedicated to foundational and cutting-edge research in rail transit vehicles. He independently developed the energy management algorithm for hydrogen-hybrid power systems for urban trains, achieving the first integrated development of a high-power, long-endurance system. This work supported the R&D of the world's first hydrogen-powered urban train. He has also led major R&D projects, including the EMU for the Hungary-Serbia Railway, and designed energy storage systems for over ten other commercial projects. He is a recipient of the China Association for Science and Technology's Young Elite Scientist Sponsorship Program, recognized as a Jilin Provincial Outstanding Contribution Talent, and a CRRC Model Worker Medalist.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



吕浩炯 /Lü Haojong

湖南中车时代通信信号有限公司副总工程师

Hunan CRRC Times Communication & Signal Co., Ltd. Deputy Chief Engineer

吕浩炯，教授级高级工程师，中车资深技术专家、长期从事轨道交通领域通信信号系统的创新研究和成果转化，具备丰富的科技创新、产品研发和团队管理经验。主持国家重点研发计划 2 项，行业 / 中车重大科技项目 10 余项。主持和参与国际 / 国家标准 6 项，行业标准 1 项，申请发明专利 25 项，PCT 国际专利 1 项，发表学术论文 10 篇，计算机软件著作权 4 项。曾荣获第二十三届中国专利奖、湖南省科技创新奖 1 项、长沙市高层次人才 -C 类。

Lü Haojong Male, a Professor-level Senior Engineer and a Senior Technical Expert at CRRC. He has extensive experience in innovative research and commercialization of communication and signal systems in the rail transit sector, with a strong background in technological innovation, product R&D, and team management. He has led two national key R&D programs and over ten major science and technology projects for the industry and CRRC. He has led and participated in the development of six international/national standards and one industry standard. He has applied for 25 invention patents, one PCT international patent, published ten academic papers, and holds four computer software copyrights. He is a recipient of the 23rd China Patent Award, one Hunan Provincial Science and Technology Innovation Award, and is recognized as a Class-C High-Caliber Talent of Changsha City.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



娄永梅 /Lou Yongmei

中国城市轨道交通协会绿智办主任

China Association of Metros Director, Green & Smart Office

娄永梅，中国城市轨道交通协会绿色智慧城轨建设领导小组办公室主任。长期从事城市轨道交通通信、信息的设计、科研、标准工作。曾获中国勘察设计协会一等奖、中国城市轨道交通协会科技进步二等奖，北京科技进步奖。《地铁设计规范》通信章节主笔人。主持和参与多个中城协团体标准，在行业 LTE-M、5G、云平台、大数据的建设发展中发挥重要作用。2022 年至今，致力于推动行业绿智融合高质量可持续发展的工作。

Lou Yongmei Director of Green & Smart Urban Rail Development Leadership Group Office of CAMET She has long been engaged in the design, research, and standardization of communications and information systems for urban rail transit. She has received a first prize from the China Exploration & Design Association, a second prize for Science and Technology Progress from the China Association of Metros, and a Beijing Science and Technology Progress Award. She was the lead author of the communications chapter of the Code for Metro Design. She has led and participated in the development of multiple CAMET group standards and has played an important role in the advancement of LTE-M, 5G, cloud platforms, and big data in the industry. Since 2022, she has been dedicated to promoting the high-quality, sustainable, and integrated development of green and smart technologies in the industry.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



冯爱军 /Feng Aijun

中国城市轨道交通协会低运能系统分会副会长

China Association of Metros Vice President, Low-Capacity Transit System Branch

冯爱军，教授级高级工程师，国家注册咨询（投资）工程师，国家注册一级建造师，IPMP 国际高级项目经理，北京市新世纪百千万人才。现任中国土木工程学会轨道交通分会秘书长、中国城市轨道交通协会低运能系统分会副会长、中国城市轨道交通协会专家学术委员会副秘书长、北京交通大学城市轨道交通研究中心副主任。

编著有《城市轨道交通技术创新与可持续发展》、《城市轨道交通新技术文集》、《土木工程学科发展报告》等

Feng Aijun, professor-level senior engineer, national registered consulting (investment) engineer, national registered first-class construction engineer. He currently serves as the Secretary-General of the Rail Transit Branch of the China Civil Engineering Society, Vice President of the Low-Capacity Transit System Branch of the China Association of Metros, Deputy Secretary-General of the Expert and Academic Committee of the China Association of Metros, and Deputy Director of the Urban Rail Research Center at Beijing Jiaotong University.

He has authored and edited several books, including Technological Innovation and Sustainable Development of Urban Rail Transit, A Collection of New Technologies in Urban Rail Transit, and Development Report on the Discipline of Civil Engineering.

分论坛十：

标准体系创新与发展

Innovation and Development of the Standard System

论坛架构 / FORUM STRUCTURE

论坛时间: 2025年9月19日 09:00-12:10

论坛地点: 中铁青岛世界博览城 N6 馆论坛区

主办单位: 中国城市轨道交通协会

承办单位: 中国城市轨道交通协会标准化技术委员会
中国城市轨道交通协会设计咨询专业委员会
北京中城轨会展有限公司

Forum Time: 09:00-12:10 on September 19, 2025

Forum Venue: Forum Zone N6 Pavilion, CREC- Qingdao World Expo City

Hosted by: China Association of Metros

Organized by: China Association of Metros Standardization Technical Committee

Design & Consulting Professional Committee of the China Association of Metros
Beijing Sino Urban Railway Expo Co., Ltd.



论坛议程 / FORUM AGENDA

会议议程

主持人	于松伟 协会设计咨询专委会副主任兼秘书长
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一、主题发言

时 间	发言主题	发言嘉宾	单位及职务
09:00-09:15	标准体系创新主旨发言	相关领导	中国城市轨道交通协会
09:15-09:40	城轨高质量发展与标准体系建设	于德涌	深圳市市政设计研究院总经理
09:40-10:05	地铁列车延寿标准体系研究	邓 奇	上海申通地铁集团有限公司技术中心，车辆技术总监
10:05-10:30	城市轨道交通车辆维修策略优化标准体系研究	邵建虎	中车唐山机车车辆有限公司运修技术中心技术开发室主任

二、主题发言

时 间	发言主题	发言嘉宾	单位及职务
主持人	李爱东 协会设计咨询专委会副秘书长		
10:30-10:55	城轨既有线改造及标准体系思考	王 臣	北京城建设计发展集团副总经理
10:55-11:20	欧盟 ECM 标准解析与维修框架的创新构建	吕亚金	德铁系统技术公司亚洲区认证代表
11:20-11:45	城市轨道交通全自动机械灵活编组项目关键技术研究标准探讨	强士盎	中铁第一勘察设计院集团有限公司城轨院副总工程师
11:45-12:10	地下车站土建风道设计标准的反思与建议	刘伊江	中铁二院工程集团有限责任公司地铁院副总工程师

会议结束

标准体系创新与发展

INNOVATION AND DEVELOPMENT OF THE STANDARD SYSTEM

论坛议程 / FORUM AGENDA

Moderator	Yu Songwei, Deputy Director and Secretary-General of the Association's Design & Consulting Professional Committee
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THEMATIC SPEECHES

TIME	TOPIC	SPEAKER	AFFILIATION AND TITLE
09:00-09:15	Innovation of the Standard System Keynote Speech	Xia Xiujiang	Vice President of China Association of Metros (CAMET), Director of the Design and Consulting Professional Committee, and General Manager of Beijing Urban Construction Design & Development Group Co., Ltd.
09:15-09:40	High-Quality Development and Standards System Construction for Urban Rail	Yu Deyong	General Manager, Shenzhen Municipal Design & Research Institute
09:40-10:05	Research on a Standards System for Metro Train Life Extension	Deng Qi	Vehicle Technology Director, Technology Center, Shanghai Shentong Metro Group Co., Ltd.
10:05-10:30	Research on a Standards System for Optimizing Metro Vehicle Maintenance Strategies	Shao Jianhu	Director, Technology Development Office, O&M Technology Center, CRRC Tangshan Co., Ltd.

THEMATIC SPEECHES

TIME	TOPIC	SPEAKER	AFFILIATION AND TITLE
Moderator	Li Aidong, Deputy Secretary-General of the Design and Consulting Professional Committee, China Association of Metros (CAMET)		
10:30-10:55	Reflections on Existing Urban Rail Line Renovation and its Standards System	Wang Chen	Deputy General Manager, Beijing Urban Construction Design & Development Group
10:55-11:20	Analysis of the EU's ECM Standard and the Innovative Construction of a Maintenance Framework	Lü Yajin	Asia Certification Representative, DB Systemtechnik
11:20-11:45	Discussion on Construction Standards for Key Technologies in Fully Automated Mechanical Flexible Train Formation Projects for Urban Rail Transit	Qiang Shi'ang	Deputy Chief Engineer, Urban Rail Institute, China Railway First Survey and Design Institute Group Co., Ltd.
11:45-12:10	Re-evaluating the Standards for Metro Air Duct Design	Liu Yijiang	Deputy Chief Engineer, Metro Institute, China Railway Eryuan Engineering Group Co., Ltd.

End of Session

标准体系创新与发展

INNOVATION AND DEVELOPMENT OF THE STANDARD SYSTEM

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



于松伟 / Yu Songwei

中国城市轨道交通协会专家和学术委员会副主任

设计咨询专家委员会副主任兼秘书长北京城建设计发展集团副总经理、全国工程勘察设计大师

Deputy Director of Experts & Academic Committee of the China Association of Metro, as well as Deputy Director and Secretary General of the Design Consulting Expert Committee, Deputy General Manager of UCD. National Engineering Survey and Design Master

于松伟，教授级高级工程师，现担任北京城建设计发展集团股份有限公司副总经理。1987年从西南交通大学铁道电气化专业毕业后分配到城建设计，34年来一直从事国内外城市轨道交通工程设计研究工作，是城建设计勘察设计领域优秀的领军人物。他以严谨踏实的工作态度，求真务实的工作作风，给众多青年设计师树立了良好的榜样，也为城建设计在勘察设计领域的发展做出了突出贡献。先后获“2015年科技北京百名领军人才”、“2005年北京市劳动模范”、“2016年国务院政府特殊津贴专家”等荣誉。

Yu Songwei, a professorate senior engineer, currently serves as the Deputy General Manager of Beijing Urban Construction Design & Development Group Co., Ltd. He graduated from the Railway Electrification major at Southwest Jiaotong University in 1987 and was assigned to urban construction design. For 34 years, he has been engaged in domestic and international urban rail transit engineering design and research, and is an outstanding leader in the field of urban construction design, survey and design. With a rigorous and down-to-earth work attitude and a pragmatic work style, he has set a good example for many young designers and made outstanding contributions to the development of urban construction design in the field of survey and design. He has successively won the honors of "TOP100 Leading Talents of Science and Technology in Beijing in 2015", "Model Worker of Beijing in 2005", "Expert with Special government allowances of the State Council in 2016", etc.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



于德涌 / Yu Deyong

深圳市市政设计研究院有限公司总经理

Shenzhen Municipal Design & Research Institute Co., Ltd. General Manager

于德涌，硕士，教授级高级工程师，从事城市轨道交通技术和建设管理 29 年，现任深圳地铁集团旗下深圳市市政设计研究院有限公司总经理。主持了深圳地铁 3、6、9、14、16 号线以及黄木岗、大运枢纽等十余个轨道交通项目的设计，主持深圳地铁四期工程设备系统的设计、安装和调试；主持深圳地铁五期工程设计，创建深圳地铁 1365N 技术标准体系。期间，研究、试点以及推广了全自动运行系统、群组化车站、装配式车站等近百项技术创新，为降本增效绿色低碳的高质量发展做出了贡献。曾获得国家优质工程金奖一项、詹天佑奖一项；市级奖项一项。

Yu Deyong, a Professor-level Senior Engineer with a master's degree, has 29 years of experience in urban rail transit technology and construction management. He currently serves as the General Manager of Shenzhen Municipal Design & Research Institute Co., Ltd., a subsidiary of Shenzhen Metro Group. He has overseen the design of over ten rail transit projects, including Shenzhen Metro Lines 3, 6, 9, 14, and 16, as well as the Huangmugang and Dayun transport hubs. He also directed the design, installation, and commissioning of the equipment systems for Shenzhen Metro Phase IV and led the design of Phase V, establishing the Shenzhen Metro 1365N technical standard system. During this time, he researched, piloted, and promoted nearly one hundred technological innovations, such as fully automated operation systems, clustered stations, and prefabricated stations, contributing significantly to high-quality, cost-effective, and low-carbon development. He has received one National Quality Engineering Gold Award, one Tien-yow Jeme Award, and one municipal-level award.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



邓奇 / Deng Qi

上海申通地铁集团有限公司技术中心车辆技术总监

Technology Center, Shanghai Shentong Metro Group Co., Ltd. Vehicle Technology Director

邓奇，从事城市轨道交通车辆领域科研创新和技术管理工作多年，主持和参与国家 863 课题 2 项、省部级课题 10 项，发表论文 10 余篇，专利授权 7 项（其中发明专利 3 项），参编国家、行业和地方标准 8 项，先后获得城市轨道交通科学技术奖特等奖 1 次、二等奖 1 次，主要研究方向涉及列车全自动驾驶、车辆智能运维、安全风险防护、节能和数字化等技术领域。

Deng Qi With many years of experience in scientific innovation and technical management within the urban rail vehicle sector, she has led or participated in 2 national "863 Program" projects and 10 provincial-level projects. She has published over 10 papers, secured 7 patents (including 3 for invention), and co-authored 8 national, industry, and local standards. Her work has earned one special prize and one second prize from the Urban Rail Transit Science and Technology Awards. Her primary research focuses on fully automated train operation, intelligent vehicle O&M, safety risk protection, energy conservation, and digitalization.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



邵建虎 / Shao jianhu

中车唐山机车车辆有限公司项目经理

CRRC Tangshan Co., Ltd. Project Manager

邵建虎，高级工程师，C级国际项目经理。现就职于中车唐山机车车辆有限公司运修技术中心，长期从事轨道车辆运维、检修、以及全生命周期维修策略优化等技术研究开发相关工作。先后发表论文7篇，实用新型专利1项，软件著作权4项。

Shao Jianhu, male, is a Senior Engineer and a C-level International Project Manager. He currently works at the Operations and Maintenance Technology Center of CRRC Tangshan Co., Ltd. He has long been engaged in technology research and development related to rail vehicle operations, maintenance, overhaul, and the optimization of life-cycle maintenance strategies. He has published 7 papers, secured 1 utility model patent, and holds 4 software copyrights.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



李爱东 / Li Aidong

中国铁路设计集团有限公司副总工程师

China Railway Design Corporation Deputy chief engineer of the group

李爱东，现任中国铁路设计集团有限公司副总工程师，技术委员会副主任、特级专家、正高级工程师。兼任中国城市轨道交通协会设计咨询专业委员会副秘书长，2020年度当选为首届深圳市工程勘察设计大师。从事城市轨道交通勘察设计与技术研究30多年，主持完成了深圳地铁14号线、5号线、7号线、10号线、4号线三期、8号线、天津地铁1号线、2号线、3号线、上海9号线等地铁工程项目，深大城际、南中珠等城际铁路项目，佛山有轨电车、坪山云巴等新制式交通项目，岗厦北、黄木岗、大运、平湖、五和、机场东、珠三角机场等综合交通枢纽项目，在多种制式轨道交通工程的规划、勘察设计与技术研究领域贡献卓越。获得省部级及以上奖项40余项，发表论文10余篇，编写标准6部、专著4部。

Li Aidong, deputy chief engineer of China Railway Design Corporation, deputy director of Technical Committee, special expert and senior engineer. Concurrently serves as the deputy secretary-general of Design & Consulting Committee of China Association of Metros, and was elected as the first Shenzhen Engineering Survey and Design Master in 2020. Engaged in the survey, design and technical research of urban metro for more than 30 years; presided over Line 14, Line 5, Line 7, Line 10, Line 4 Phase III, and Line 8 of Shenzhen Metro, Line 1, Line 2 and Line 3 of Tianjin Metro, and Shanghai Line 9, Shenzhen International Airport-Dayawan Intercity Railway, Nansha-Zhuhai (Zhongshan) and other intercity railway projects, Foshan tram, Pingshan Cloud Bus and other new standard transportation projects, Gangxia North Station, Huangmugang Station, Universiade Station, Pinghu Station, Wuhe Station, Airport East Station, Pearl River Delta Airport and other comprehensive transportation hub projects. Li Aidong has made outstanding contributions in the planning, survey, design and technical research fields of various standard metro projects. He has won more than 40 awards at the provincial and ministerial level and above, published more than 10 papers, compiled 6 standards and 4 monographs.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



王臣 / Wang Chen

北京城建设计发展集团股份有限公司副总经理

Beijing Urban Construction Design & Development Group Co., Ltd. Deputy General Manager

王臣，现任中国城市轨道交通协会设计咨询专委会副秘书长。长期从事轨道交通和城市地下工程的咨询、设计研究工作。先后参与了北京、武汉和长春等城市数十项轨道交通和城市地下工程的设计咨询工作，获得了“北京市科学技术创新标兵”、北京市科技进步一等奖 1 项，获得了“明挖预制装配式地下结构施工方法”“明挖预制装配式地下结构”等 8 项国家发明专利、实用新型专利 18 项、国家省部级建筑设计一等奖 6 项，参与编制规范标准 3 项。

Wang Chen He currently serves as the Deputy Secretary-General of the Design & Consulting Committee of the China Association of Metros. He has a long-standing career in the consulting, design, and research of rail transit and urban underground engineering. He has participated in the design and consulting for dozens of rail transit and urban underground projects in cities such as Beijing, Wuhan, and Changchun. His accolades include the “Beijing Science & Technology Innovation Model” and a first prize for the Beijing Science and Technology Progress Award. He holds 8 national invention patents, including for “Construction Method for Open-Cut Prefabricated Underground Structures”, 18 utility model patents, and has received 6 first-prize national and provincial-level architectural design awards. He has also contributed to the compilation of 3 normative standards.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



吕亚金 / LYU Yajin

德铁系统技术有限公司认证代表

DB Systemtechnik GmbH Certification Representative

吕亚金，德铁系统技术有限公司（DB Systemtechnik GmbH）上海代表处认证代表，认证管理专家。主要负责并参与 UIC 及 TSI 认证咨询、欧盟第四铁路包（4RP）车辆授权咨询、ECM 认证咨询、车辆维修及延寿项目，并持有德铁颁发的“欧盟车辆授权许可”和“ECM 认证”专业培训资质。在加入德铁前，曾任职于中国中车，历任标准化办公室工程师和国际业务部项目主管。

Lü Yajin is a Certification Representative and Certification Management Expert at the Shanghai Representative Office of DB Systemtechnik GmbH. She is primarily responsible for and participates in UIC & TSI certification consulting, EU's 4th Railway Package (4RP) vehicle authorization consulting, ECM certification consulting, and vehicle maintenance and life-extension projects. She holds professional training qualifications for "EU Vehicle Authorization Permit" and "ECM Certification" issued by Deutsche Bahn. Before joining Deutsche Bahn, she worked at CRRC, where she served as an engineer in the Standardization Office and a project manager in the International Business Department. Ms. Lü Yajin is a Certification Representative and Certification Management Expert at the Shanghai Representative Office of DB Systemtechnik GmbH. She is primarily responsible for and participates in UIC & TSI certification consulting, EU's 4th Railway Package (4RP) vehicle authorization consulting, ECM certification consulting, and vehicle maintenance and life-extension projects. She holds professional training qualifications for "EU Vehicle Authorization Permit" and "ECM Certification" issued by Deutsche Bahn. Before joining Deutsche Bahn, she worked at CRRC, where she served as an engineer in the Standardization Office and a project manager in the International Business Department.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



强士盎 / Qiang shiang

中铁第一勘察设计院集团有限公司处副总工程师

Beijing Urban Construction Design & Development Group Co., Ltd. Deputy Chief Engineer

强士盎：女，中铁一院城轨院行车专业院副总工程师，正高级工程师，注册咨询工程师，国家发改委咨询评估专家，中国铁建工程设计专家库首批入库专家。毕业于西南交大交通运输专业，从事城轨行车组织与运营管理设计工作 22 年，担任工程及科研项目总体、副总体 40 余项，涉及传统地铁、新型轨道交通、咨询评估等领域。参编著作 2 本；参编标准、规范 5 项；申报发明专利 6 项、实用新型专利 2 项；获得省部级及以上奖项一等奖 3 项、二等奖

Qiang Shi'ang: Female, Deputy Chief Engineer of the Rail Transit Department at the First Survey and Design Institute of China Railway, a Professor-level Senior Engineer, Registered Consulting Engineer, and an expert consultant for the National Development and Reform Commission. She is also among the first cohort of experts in the China Railway Construction Corporation's engineering design expert database.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



刘伊江 /Liu Yijiang

中铁二院工程集团有限责任公司地铁院副总工程师

China Railway Eryuan Engineering Group Co., Ltd. Deputy Chief Engineer

刘伊江，从事城市轨道交通设计工作 30 年。参加了广州、深圳、成都、青岛、东莞、厦门、昆明、开罗等城市轨道交通项目的设计工作。获得包括詹天佑奖的国家级及省、部级奖项 17 项。发表论文多篇。参编国家标准 2 部，行业及地方标准多部，为《城市轨道交通用电综合评定指标》（GB/T 35554-2017）中非牵引能耗指标部分主要起草人。在城市轨道交通节能、消防等领域取得丰硕成果。

Liu Yijiang He has 30 years of experience in urban rail transit design and has participated in the design of urban rail transit projects in cities including Guangzhou, Shenzhen, Chengdu, Qingdao, Dongguan, Xiamen, Kunming, and Cairo. He has received 17 national, provincial, and ministerial-level awards, including the Jeme Tien Yow Award. He has published numerous papers, contributed to the compilation of 2 national standards and multiple industry and local standards, and was the principal drafter for the non-traction energy consumption indicators section of the Comprehensive Evaluation Indicators for Electricity Consumption in Urban Rail Transit (GB/T 35554-2017). He has made significant achievements in the fields of energy conservation and fire protection for urban rail transit.

2025 CAMET 论坛 FORUM

专题论坛一：

智轨新程·共绘未来

—城轨装备数智化升级与可持续发展论坛

Smart Rail New Journey · Painting the Future Together

- Urban Rail Transit Digital Intelligence Upgrade and Sustainable Development Forum

论坛架构 / FORUM STRUCTURE

论坛时间: 2025年9月19日 09:00-11:50

论坛地点: 中铁青岛世界博览城 会议中心 3层大宴会厅 5

主办单位: 中国城市轨道交通协会
中国中车股份有限公司

承办单位: 北京中城轨会展有限公司
中车青岛四方机车车辆股份有限公司
中车青岛四方车辆研究所有限公司 (中车制动有限公司)

支持单位: 南京康尼电子科技有限公司

Forum Time: Friday, September 19, 2025, 09:00-11:50

Venue: China Railway Qingdao Cosmopolitan Exposition Grand Ballroom 5, 3rd Floor, Convention Center

Hosted by: China Association of Metros (CAMET)
CRRC Corporation Limited

Organized by: Beijing MetroTrans Exhibition Co., Ltd.
CRRC Qingdao Sifang Co., Ltd.
CRRC Qingdao Sifang Vehicle Research Institute Co., Ltd. (CRRC Brake Co., Ltd.)

Supported by: Nanjing Kangni Electronic Technology Co., Ltd.



论坛议程 / FORUM AGENDA

主持人	唐飞龙 中国中车城市交通事业部，中车重庆智慧轨道交通技术有限公司 闫磊 中国中车股份有限公司城交事业部副处长
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一、主题演讲

时间	演讲主题	演讲嘉宾	单位及职务
09:00-09:20	《城市轨道交通资源共享交易平台》发布仪式	-	协会领导、集团领导等
09:20-09:40	基于上海3号线03A01型列车翻新改造的探索与研究	周炯	上海地铁维护保障有限公司 车辆分公司副总经理
09:40-10:00	轨道车辆制动技术创新探讨 - 电驱机械制动	梁锦发	深圳市地铁集团有限公司车辆系统室主任

茶歇 (10:00-10:10)

时间	演讲主题	演讲嘉宾	单位及职务
10:10-10:30	智汇“斫轮”，数御城轨——中车统一智能运维平台	崔庭琼	中车重庆智慧轨道交通技术有限公司 数智研究院副院长
10:30-10:50	青岛地铁车辆 - 信号 - 供电多专业耦合节能研究及应用	邢春阳	青岛地铁集团有限公司副总工程师
10:50-11:10	基于时间敏感网络 (TSN) 的安全控制应用研究	茅飞	南京康尼电子科技有限公司总工程师
11:10-11:30	碳纤维地铁列车工程化应用实践	吕晓俊	中车青岛四方机车车辆股份有限公司 主审设计师
11:30-11:50	广州12号线绿智城轨车辆项目实践与探索	吴桂林	中车株洲电力机车有限公司中车资深专家

会议结束

智轨新程·共绘未来

—城轨装备数智化升级与可持续发展论坛

THEMATIC FORUM I: SMART RAIL NEW JOURNEY · PAINTING THE FUTURE TOGETHER
- URBAN RAIL TRANSIT DIGITAL INTELLIGENCE UPGRADE AND SUSTAINABLE DEVELOPMENT FORUM

论坛议程 / FORUM AGENDA

Moderator	Tang Feilong Urban Transport Business Dept., CRRC Corporation Limited CRRC Chongqing Intelligent Rail Transit Technology Co., Ltd. Yan Lei (Deputy Director, Urban Transport Business Dept., CRRC Corporation Limited)		
Time	TOPIC	SPEAKER	AFFILIATION & TITLE
09:00-09:20	Launch Ceremony of the “urban rail transit material Sharing and Trading Platform”	-	Association and Group Leadership
09:20-09:40	A Study on the Refurbishment and Renovation of Shanghai Metro Line 3’s 03A01 Trains	Zhou Jiong	Deputy General Manager, Vehicle Branch, Shanghai Metro Maintenance & Support Co., Ltd.
09:40-10:00	Innovations in Rail Vehicle Braking: A Look at Electro-Mechanical Brakes	Liang Jinfa	Director of Vehicle Systems, Shenzhen Metro Group Co., Ltd.
Coffee Break (10:00-10:10)			
10:10-10:30	Intelligence Converges at Aizor, Data Commands the Rail —CRRC Intelligent O&M Platform	Cui Tingqiong	Vice President of Digital Intelligence Research Institute, CRRC Chongqing Intelligent Rail Transit Technology Co., Ltd.
10:30-10:50	Multi-Disciplinary Energy Saving at Qingdao Metro: A Study on Vehicle-Signal-Power Supply Coupling	Xing Chunyang	Deputy Chief Engineer, Qingdao Metro Group Co., Ltd.
10:50-11:10	A Study on Safety Control Applications Based on Time-Sensitive Networking (TSN)	Mao Fei	Chief Engineer, Nanjing Kangni Electronic Technology Co., Ltd.
11:10-11:30	Engineering and Application of Carbon Fiber Metro Trains	Lv Xiaojun	Lead Review Designer, CRRC Qingdao Sifang Co., Ltd.
11:30-11:50	Guangzhou Line 12: Practices in Green and Intelligent Urban Rail Vehicle Projects	Wu Guilin	Senior CRRC Expert, CRRC Zhuzhou Locomotive Co., Ltd.
End of Session			

智轨新程·共绘未来

—城轨装备数智化升级与可持续发展论坛

THEMATIC FORUM I: SMART RAIL NEW JOURNEY · PAINTING THE FUTURE TOGETHER
- URBAN RAIL TRANSIT DIGITAL INTELLIGENCE UPGRADE AND SUSTAINABLE DEVELOPMENT FORUM

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



闫磊 /Yan Lei

中国中车股份有限公司城交事业部副处长

CRRC Corporation Limited Deputy Director, Urban Transit Business Dept.

闫磊，现任中国中车城市轨道交通事业部技术处处长，中车资深技术专家，正高级工程师。参与和主持了系列化中国标准地铁列车、下一代地铁列车、智慧城轨车地一体化系统集成、系列化中国标准智能市域列车等国家重大项目，获得多项山东省装备制造业科技创新奖、中国城市轨道交通协会科技进步奖和中车科学技术奖，参与起草制定了城市轨道交通分类、城市轨道交通车辆电空制动系统等多项国家、行业标准，获得十余项专利并发表多篇论文。

Yan Lei Currently serves as Director of the Technology Department at CRRC's Urban Transit Business Dept. He is also a Senior Technical Expert at CRRC and a Professor-level Senior Engineer. He has led and participated in major national projects, including the development of serialized China Standard metro trains, next-generation metro vehicles, integrated vehicle-ground systems for smart urban rail, and serialized China Standard intelligent regional trains. His work has earned multiple honors, including the Shandong Province Equipment Manufacturing Technology Innovation Award, the Science and Technology Award of the China Association of Metros, and the CRRC Science and Technology Award. He has contributed to drafting several national and industry standards, such as those for urban rail transit classification and the electro-pneumatic braking systems for urban rail vehicles. He holds over ten patents and has authored numerous academic papers.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



周炯 /Zhou Jiong

上海地铁维护保障有限公司车辆分公司副总经理

Vehicle Branch, Shanghai Metro Maintenance & Support Co., Ltd. Deputy General Manager

周炯，自从业以来，一直从事地铁车辆技术管理和运维管理工作，主要涉及规程编制与优化、车辆改造、车辆寿命评估与延寿、智能运维、检测装备制造等方面，其参与的科研项目获得过中国城市轨道交通协会进步奖特等奖 1 次、上海市科技进步奖二等奖 2 次。

Zhou Jiong With a career dedicated to the technical and operational management of metro vehicles, Zhou Jiong's expertise spans the development and optimization of regulations, vehicle retrofitting, life-cycle assessment and extension, Intelligent Operations & Maintenance (O&M), and the manufacturing of inspection equipment. His research contributions have been recognized with one special prize from the Science and Technology Progress Awards of the China Association of Metros and two second prizes from the Shanghai Science and Technology Progress Awards.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



梁锦发 /Liang Jinfa

深圳市地铁集团有限公司车辆系统室主任

Director of Vehicle Systems, Shenzhen Metro Group Co., Ltd.

梁锦发，2000年7月开始在深圳市地铁集团有限公司任职。推动多种新技术在地铁列车上应用：LED照明应用、列车防火涂料应用、永磁牵引系统的应用、中高频辅助供电系统的应用、高频辅助供电系统的应用、全碳化硅牵引系统的应用、工业实时以太网的应用、列车网轨隧一体化监控系统的应用、列车智能运维系统的应用、全自主化芯片电气系统的应用、全自主化芯片列车门控制器的应用、自主化列车类轴承的应用、全自动驾驶技术的应用。

Liang Jinfa Since joining Shenzhen Metro Group Co., Ltd. in July 2000, Liang Jinfa has been a key driver in the adoption of numerous new technologies for metro trains. His pioneering efforts include the application of LED lighting, fire-retardant coatings, Permanent Magnet Traction Systems, medium and high-frequency auxiliary power supply systems, all-SiC traction systems, real-time industrial Ethernet, integrated train-track-tunnel monitoring systems, intelligent O&M systems, and fully autonomous chip-based electrical systems. He has also championed the use of domestically produced chip-based door controllers, autonomous train bearings, and Fully Automated Operation (FAO) technology.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



崔庭琼 /Cui Tingqiong

上海地铁维护保障有限公司车辆分公司副总经理

Vehicle Branch, Shanghai Metro Maintenance & Support Co., Ltd. Deputy General Manager

崔庭琼，博士后，中车（重庆）智慧轨交数智研究院院长、高级工程师。长期聚焦智慧城轨全场景数智化，主导智能建造、装备、运营、运维全生命周期技术研发与落地，覆盖设计、列车、供电、信号等核心系统。发表SCI论文10余篇，获专利40+、软著2项，参编国标11项，任工信部AI标准委委员、多家SCI期刊审稿人。获重庆市科技进步一等奖、博士后特别资助、自然科学基金，获评中车“科技英才”，“劳动模范”等称号。

Cui Tingqiong A postdoctoral researcher, Dr. Cui Tingqiong is the Dean of the Digital Intelligence Institute at CRRC Chongqing and a Senior Engineer. She focuses on full-lifecycle digital and intelligent solutions for smart urban rail, leading technology R&D and implementation across core systems, including design, rolling stock, power supply, and signaling. She has authored over 10 SCI papers, secured more than 40 patents and 2 software copyrights, and co-authored 11 national standards. Dr. Cui is a committee member of the MIIT AI Standards Committee and a reviewer for several SCI journals. Her accolades include the Chongqing Science and Technology Progress First Prize, a special postdoctoral grant, and a Natural Science Foundation grant, and she has been honored as a “CRRC Tech Talent” and “Model Worker”.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



邢春阳 /Xing Chunyang

青岛地铁集团有限公司集团副总工程师，数智发展部、设备技术部部长

Qingdao Metro Group Co., Ltd. Deputy Chief Engineer of the Group;

Director, Digital Intelligence Development & Equipment Technology Departments

邢春阳，1999年毕业于大连交通大学，现任青岛地铁集团副总工程师，数智发展部、设备技术部部长，有丰富的数智化、绿色化规划、建设理论及实战经验。牵头《青岛市城市轨道交通智慧城轨顶层规划》及《青岛地铁数字化转型总体规划》发布，主导完成行业首个企业级数据标准编制；先后取得实用新型专利授权5项，软著授权11项，6号线TACS国家示范工程建设、BIM、智慧工地等案例、论著获得国家、省市及行业主管单位的表彰、刊发。

Xing Chunyang A 1999 graduate of Dalian Jiaotong University, Xing Chunyang currently serves as the Deputy Chief Engineer of Qingdao Metro Group and Director of the Digital Intelligence Development & Equipment Technology Departments. He possesses extensive theoretical and practical experience in planning and constructing digital, Green, and Smart systems. He led the release of the Top-Level Plan for Smart Urban Rail in Qingdao and the Overall Plan for Digital Transformation of Qingdao Metro, and directed the creation of the industry's first enterprise-level data standard. He holds 5 utility model patents and 11 software copyrights. His work on landmark projects, including the TACS National Demonstration Project for Line 6, BIM applications, and Smart Construction Sites, has received recognition and has been published by national, provincial, and industry authorities.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



茅飞 /Mao Fei

南京康尼电子科技有限公司总工程师

Nanjing Kangni Electronic Technology Co., Ltd. Chief Engineer

茅飞，主要研究方向：轨道交通门控制技术、网络通讯技术、自诊断技术等。

1) 奖项：“中国机械工业科技进步奖二等奖”、“中国标准创新贡献奖二等奖”、“教育部科学技术奖二等奖”、“广东省科技进步奖二等奖”、“江苏省科学技术奖一等奖”等奖项。2021 年获得“江苏省劳动模范”称号。

2) 主持重大项目：江苏省工业和信息产业转型升级专项；轨道交通门控系统出口项目共性技术研发及产业化等。

3) 论文、专利：发表期刊论文 3

Mao Fei His research focuses on rail transit door control, network communication, and self-diagnosis technologies.

1) Awards: His work has been recognized with multiple honors, including the “Second Prize of the China Machinery Industry Science and Technology Progress Award”, the “Second Prize of the China Standard Innovation Contribution Award”, the “Second Prize of the Ministry of Education Science and Technology Award”, the “Second Prize of the Guangdong Province Science and Technology Progress Award”, and the “First Prize of the Jiangsu Province Science and Technology Award”. In 2021, he was named a “Jiangsu Provincial Model Worker”.

2) Major Projects: He has led key initiatives such as the Jiangsu Provincial Special Project for Industrial and Information Industry Transformation and Upgrading, and the R&D and industrialization of common technologies for export-oriented rail transit door control systems.

3) Publications & Patents: He has authored 3 journal papers.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



吕晓俊 /Lü Xiaojun

中车青岛四方机车车辆股份有限公司主审设计师

CRRC Qingdao Sifang Co., Ltd. Lead Review Designer

吕晓俊，正高级工程师，中车青岛四方机车车辆股份有限公司技术中心城轨地铁总体主审设计师，曾参加国家重大技术装备攻关工程项目“系列化中国标准地铁列车研制及试验”、国家重点研发计划“先进轨道交通”重点专项“复杂环境下轨道交通系统全生命周期能力保持技术”等省部级以上重大项目，先后荣获中国中车科学技术特等奖、中国中车科技创新一等奖、中国中车“科技创新英才人物奖”优秀工程师奖、中国中车劳动奖章等荣誉。

Lü Xiaojun A Professor-level Senior Engineer, Lü Xiaojun serves as the Lead Review Designer for urban rail and metro projects at the Technology Center of CRRC Qingdao Sifang Co., Ltd. He has participated in major national and provincial-level projects, including the “Development and Testing of Serialized China Standard Metro Trains” and the “Advanced Rail Transit” key special project under the National Key R&D Program, focusing on “Full Life-Cycle Capability Maintenance Technology for Rail Transit Systems in Complex Environments.” His honors include the CRRC Science and Technology Special Prize, the CRRC Technology Innovation First Prize, the “Technology Innovation Talent Award” for Outstanding Engineer, and the CRRC Labor Medal.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



吴桂林 /Wu Guilin

中车株洲电力机车有限公司研发主管

CRRC Zhuzhou Locomotive Co., Ltd. R&D Supervisor

吴桂林，1981年12月出生，中共党员，硕士研究生学历。2008年毕业于武汉理工大学机械电子工程专业，同年入职中车株洲电力机车有限公司，现就职于公司产品研发中心城轨系统研发部，任系统组主管。教授级高工，中国中车第四届资深技术专家，株洲市D类高层次技术人才。任职以来先后担任长沙、巴基斯坦拉合尔橙线、武汉、广州多个地铁及超大坡度齿轨车项目车辆设计总体，获得中国城市轨道交通协会科技进步一等奖1项。

Wu Guilin A member of the CPC with a master's degree in Mechatronic Engineering from Wuhan University of Technology (2008), Wu Guilin, male, born on December 1981, joined CRRC Zhuzhou Locomotive Co., Ltd. in 2008. He currently serves as the Systems Group Supervisor in the company's Urban Rail System R&D Department at the Product R&D Center. He is also a Professor-level Senior Engineer, the 4th-tier Senior Technical Expert at CRRC, and a Class D high-level technical talent in Zhuzhou. Since joining the company, he has served as the lead vehicle designer for multiple metro projects in cities such as Changsha, Wuhan, and Guangzhou, as well as for the Lahore Orange Line in Pakistan and the innovative rack-and-pinion train for extra-large slope applications. His work has earned a First Prize from the Science and Technology Progress Awards of the China Association of Metros.

专题论坛二：

数聚轨交·鉴往知来：统计与年鉴技术研讨会

Data-Driven Rail Transit · History informs the future: Statistics and Yearbook Technical Seminar

论坛架构 / FORUM STRUCTURE

论坛时间: 2025年9月19日 14:00-17:00

论坛地点: 中铁青岛世界博览城 会议中心 2层 207 会议室

主办单位: 中国城市轨道交通协会

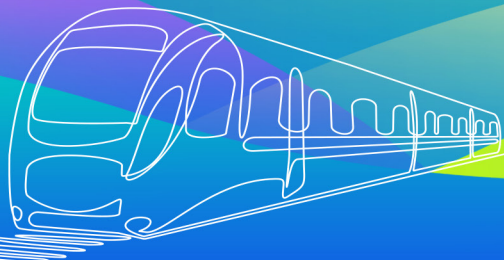
承办单位: 中国城市轨道交通协会统计部、年鉴编辑部
北京中城轨会展有限公司

Forum Time: September 19, 2025, 14:00-17:00

Forum Venue: Meeting Room 207, 2nd Floor, CREC-Qingdao World Expo City Conference Center

Hosted by: China Association of Metros

Organized by: Statistics Department and Yearbook Editorial Department of the China Association of Metros
Beijing Sino Urban Railway Expo Co., Ltd.



论坛议程 / FORUM AGENDA

主持人	燕汉民 中国城市轨道交通协会统计部主任
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一、主旨发言

时 间	发言主题	发言嘉宾	单位及职务
14:00-14:05	开场主旨发言	黄建伟	中国城市轨道交通协会 副秘书长
14:05-14:15	做好统计年鉴工作，助力城轨交通发展	燕汉民	中国城市轨道交通协会统计部主任

二、主题研讨

时 间	发言主题	发言嘉宾	单位及职务
14:15-14:40	主题成果发布：2024 年城市轨道交通效能评价分析报告解读	陈明钿	北京城建设计发展集团股份有限公司高级工程师
14:40-14:55	主题宣讲 1： 磨砺成鉴——协会年鉴工作	李玉书	中国城市轨道交通协会年鉴编辑部副主任 上海申通地铁集团有限公司技术中心 运营技术部主任
14:55-15:15	主题宣讲 2： 年鉴行文的撰写要求与常见错误	郭建荣	中国城市轨道交通协会年鉴编辑部责任编辑 上海申通地铁集团有限公司技术中心工程师
15:15-15:35	主题宣讲 3： 2024 年城市轨道交通运营数据和指标体系介绍	李 云	中国城市轨道交通协会年鉴编辑部 上海申通地铁集团有限公司技术中心工程师

茶歇 (15:35-15:45)

15:45-16:10	主题宣讲 4： 城市轨道交通全自动运行的思考与实践	周 竞	上海申通地铁集团有限公司技术中心高级工程师
16:10-16:30	主题技术交流 1： 基于行业内不同线网规模客流规律下的运力调配研究	卢剑鸿	西安市轨道交通集团有限公司运营分公司总经理
16:30-16:50	主题技术交流 2： 关于电客车全生命周期维修成本的研究项目汇报	晏新凯	徐州地铁集团有限公司规划发展中心工程师
16:50-17:00	技术研讨会总结发言	燕汉民	中国城市轨道交通协会统计部主任

论坛议程 / FORUM AGENDA

Moderator	Yan Hanmin China Association of Metros Director, Statistics Department
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I. KEYNOTE SPEECHES

TIME	TOPIC	SPEAKER	AFFILIATION AND TITLE
14:00-14:05	Opening Keynote Speech	Huang Jianwei	Deputy secretary-general of China Association of Metros
14:05-14:15	Advancing Urban Rail Transit Development Through High-Quality Statistical and Yearbook Work	Yan Hanmin	China Association of Metros Director, Statistics Department

II. THEMATIC DISCUSSIONS

TIME	TOPIC	SPEAKER	AFFILIATION AND TITLE
14:15-14:40	Thematic Achievement Release: Interpretation of the 2024 Urban Rail Transit Performance Evaluation and Analysis Report	Chen Mingdian	Senior Engineer, Beijing Urban Construction Design & Development Group Co., Ltd.
14:40-14:55	Thematic Presentation 1: Forging a Chronicle- The Association's Yearbook Work	Li Yushu	Deputy Director, Yearbook Editorial Department, China Association of Metros/Director, Operations Technology Department, Technology Center, Shanghai Shentong Metro Group Co., Ltd.
14:55-15:15	Thematic Presentation 2: Writing Standards and Common Errors in Yearbook Composition	Guo Jianrong	Executive Editor, Yearbook Editorial Department, China Association of Metros/Engineer, Technology Center, Shanghai Shentong Metro Group Co., Ltd.
15:15-15:35	Thematic Presentation 3: Introduction to the 2024 Urban Rail Transit Operational Data and Indicator System	Li Yun	Yearbook Editorial Department, China Association of Metros/Engineer, Technology Center, Shanghai Shentong Metro Group Co., Ltd.

Coffee Break (15:35-15:45)

TIME	TOPIC	SPEAKER	AFFILIATION AND TITLE
15:45-16:10	Thematic Presentation 4: Reflections and Practices in Fully Automated Urban Rail Transit Operations	Zhou Jing	Senior Engineer, Technology Center, Shanghai Shentong Metro Group Co., Ltd.
16:10-16:30	Thematic Technical Exchange 1: Research on Capacity Allocation Based on Passenger Flow Patterns Across Different Network Scales in the Industry	Lu Jianhong	Lu Jianhong General Manager, Operations Branch, Xi'an Rail Transit Group Co., Ltd.
16:30-16:50	Thematic Technical Exchange 2: A Study on the Life Cycle Maintenance Costs of Electric Multiple Units	Yan Xinkai	Engineer, Planning and Development Center, Xuzhou Metro Group Co., Ltd.
16:50-17:00	Concluding Remarks for the Technical Seminar	Yan Hanmin	China Association of Metros Director, Statistics Department

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



黄建伟 /Huang Jianwei

中国城市轨道交通协会 副秘书长

Deputy secretary-general of China Association of Metros

黄建伟，多年从事铁路科研、企业信息化和城市轨道交通咨询评估工作。曾任中国国际工程咨询公司信息中心信息处处长、交通项目部综合处处长、广州中咨城轨工程咨询有限公司副总经理，现任中国城市轨道交通协会副秘书长。

Huang Jianwei He has been engaged in railway scientific research, enterprise informatization, and urban rail transit consulting and evaluation work for many years. He/She once served as Director of the Information Department of the Information Center, Director of the Comprehensive Department of the Transportation Project Department of China International Engineering Consulting Corporation, and Deputy General Manager of Guangzhou CIECC Urban Rail Engineering Consulting Co., Ltd., and currently holds the position of Deputy Secretary-General of the China Urban Rail Transit Association.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



燕汉民 / Yan Hanmin

中国城市轨道交通协会统计部主任

China Association of Metros Director of the Statistics Department

燕汉民，中国城市轨道交通协会统计部长，高级工程师。曾就职于中国中车集团公司，长期从事企业战略管理、规划管理、投资管理等工作。

Yan Hanmin is a Senior Engineer and the Director of the Statistics Department at the China Association of Metros. He previously served at CRRC Group Corporation, with a long-standing career focused on corporate strategic management, planning, and investment.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



卢剑鸿 /Lu Jianhong

西安市轨道交通集团有限公司运营分公司总经理

Operations Branch, Xi'an Rail Transit Group Co., Ltd. General Manager

卢剑鸿，现任西安市轨道交通集团运营分公司总经理，正高级工程师，兼任长安大学校外兼职硕士研究生导师，中国城市轨道交通协会运营管理专业委员会副秘书长，西安市科技专家库专家。长期从事轨道交通运营管理工作，在轨道交通运营管理方面有资深的管理实践经验，曾获省部级创新成果奖 8 项，参编行业标准、地方标准 2 项，主持和参与编写专著 7 部，发表论文 10 余篇，获得国家发明专利、实用新型专利 10 余项。

Lu Jianhong is the General Manager of the Operations Branch of Xi'an Rail Transit Group. A Professor-level Senior Engineer, he also serves as a part-time Master's Supervisor at Chang'an University, Deputy Secretary-General of the Operations Management Committee of the China Association of Metros, and an expert in the Xi'an Science and Technology Expert Database. With extensive practical experience from a long career in rail transit operation management, he has received eight provincial and ministerial-level innovation awards, co-authored two industry and local standards, led or contributed to seven monographs, published over ten papers, and secured ten national invention and utility model patents.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



李玉书 /Li Yushu

中国城市轨道交通协会年鉴编辑部副主任

上海申通地铁集团有限公司技术中心运营技术部主任

*Deputy Director, Yearbook Editorial Department, China Association of Metros/Director,
Operations Technology Department, Technology Center, Shanghai Shentong Metro Group Co., Ltd.*

李玉书，研究生学历，高级工程师，现任中国城市轨道交通协会年鉴编辑部副主任、上海申通地铁集团有限公司技术中心运营技术部主任，长期从事轨道交通运营管理工作，在轨道交通运营管理、客运组织、大客流管控、投诉管理、运营质量管理、标准编制、新线接管、运营培训等方面具有丰富的管理经验。

Li Yushu, holding a master's degree and the title of Senior Engineer, currently serves as the Deputy Director of the Yearbook Editorial Department at the China Association of Metros and the Director of the Operations Technology Department at the Technology Center of Shanghai Shentong Metro Group Co., Ltd. With a long-standing career in rail transit, he possesses extensive management experience in operations, passenger organization, large-scale crowd control, complaint management, service quality management, standard formulation, new line commissioning, and operational training.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



陈明钿 /Chen Mingdian

北京城建设计发展集团股份有限公司

Beijing Urban Construction Design & Development Group Co., Ltd.

陈明钿，《城市轨道交通效能评价指标体系》标准主要起草人、《城市轨道交通效能评价及数据平台建设研究》课题组成员、城市轨道交通行业效能评价分析平台研发负责人

Chen Mingdian He is a primary author of the “Urban Rail Transit Performance Evaluation Indicator System” standard, a member of the research group for the “Study on Urban Rail Transit Performance Evaluation and Data Platform Construction,” and the lead developer of the industry’s performance evaluation and analysis platform.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



郭建荣 / Guo Jianrong

上海申通地铁集团有限公司技术中心运营技术部高级主管

Technology Center, Shanghai Shentong Metro Group Co., Ltd.

Senior Supervisor, Operations Technology Department

郭建荣，从事铁路运输行业 30 年。参与年鉴编纂 9 年。设计的图书获得过全国艺术类图书银奖，参与城轨年鉴的所有设计及编纂审稿工作。

Guo Jianrong With 30 years of experience in the railway transportation industry. He has been involved in the compilation of the yearbook for nine years. The books he has designed have won a national silver award for art books, and he has participated in all design, compilation, and review work for the urban rail yearbook.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



晏新凯 /Yan Xinkai

徐州地铁集团有限公司系统设备管理

Xuzhou Metro Group Co., Ltd. Systems and Equipment Management

晏新凯，徐州地铁集团规划发展中心工程师，负责电客车、站台门、电扶梯、段场工艺设备设计管理工作

Yan Xinkai An engineer at the Planning and Development Center of Xuzhou Metro Group, responsible for the design and management of EMU trains, platform screen doors, escalators, and depot process equipment.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



周竞 /Zhou Jing

上海申通地铁集团有限公司技术中心主管工程师

Technology Center, Shanghai Shentong Metro Group Co., Ltd. Supervising Engineer

周竞，注册咨询工程师，从事轨道交通运营咨询，运营技术研究。参与南京，苏州，福州等地多条全自动运行线路的运营策划及运营筹备咨询，承担全自动运行顶层设计及标准编制。

Zhou Jing A Registered Consulting Engineer specializing in rail transit operations consulting and operational technology research. He has contributed to the operational planning and preparation consulting for multiple fully automated lines in cities such as Nanjing, Suzhou, and Fuzhou, and has undertaken top-level design and standard compilation for fully automated operations.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



李云 /Li Yun

上海申通地铁集团有限公司技术中心

Technology Center, Shanghai Shentong Metro Group Co., Ltd.

李云，中国城市轨道交通领域资深专家，拥有 30 年行业经验。其职业生涯贯穿运营组织与运营数据分析两大领域，兼具一线调度指挥与运营指标体系构建的复合背景。前 20 年深耕运营调度指挥一线，具备丰富的应急处理与大规模客运组织经验，深刻理解运营数据的实际价值。近 10 年专注运营数据分析，作为核心专家主持编撰中国城市轨道交通协会《城市轨道交通运营企业运营数据报告》，是该行业权威报告的核心编撰者与奠基人之一。

Li Yun is a veteran expert in China's urban rail transit sector with 30 years of industry experience. His career uniquely bridges the domains of operational organization and data analysis, combining a background in frontline dispatch command with expertise in building operational indicator systems. During his first 20 years, he was deeply involved in frontline operations dispatch and command, gaining extensive experience in emergency response and large-scale passenger organization, which gave him a profound understanding of the practical value of operational data. For the last 10 years, he has focused on operational data analysis. As a core expert, he has led the compilation of the "Operational Data Report of Urban Rail Transit Operating Enterprises" for the China Association of Metros, establishing himself as a key author and a foundational figure for this authoritative industry report.

专题论坛三：

第二届城市轨道交通空调技术交流会 ——车辆空调及车站环控

*2nd Urban Rail Transit Air Conditioning Technology Exchange Conference
- Vehicle Air Conditioning and Station Environmental Control*

论坛架构 / FORUM STRUCTURE

论坛时间: 2025年9月19日 14:00-17:30

论坛地点: 中铁青岛世界博览城 会议中心3层 大宴会厅3

主办单位: 中国城市轨道交通协会

承办单位: 中国城市轨道交通协会技术装备专业委员会
青岛地铁集团有限公司

协办单位: 山东朗进科技股份有限公司
青岛海尔空调电子有限公司

Forum Time: September 19, 2025, 14:00-17:00

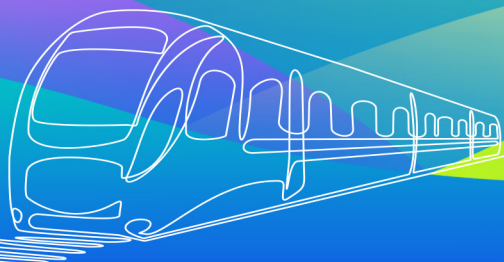
Venue: Grand Ballroom 3, 3rd Floor, Convention Center

Hosted by: China Association of Metros (CAMET)

Executive Organizers: China Association of Metros Technical Equipment Committee
Qingdao Metro Group Co., Ltd.

Co-organized by: Shandong Longertek Technology Co., Ltd.

Qingdao Haier Air Conditioner Electronics Co., Ltd.



论坛议程 / FORUM AGENDA

上半场主持人	黎国清 中国城市轨道交通协会技术装备专委会副主任兼秘书长
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一、主题演讲

时 间	发言主题	发言嘉宾	单位及职务
14:00-14:30	地铁车辆空调服务环境性能提升探索与实践	李 熙	北京市地铁运营有限公司 资产维护管理部总监
14:30-15:00	青岛地铁机电智慧运维系统的研究应用技术	邢春阳	青岛地铁集团有限公司 副总工程师、数智发展部及设备技术部部长
15:00-15:30	地铁车辆空调技术发展方向与应用实践	邓 奇	上海申通地铁集团有限公司 技术中心技术总监
下半场主持人	邢春阳 青岛地铁集团有限公司副总工程师、数智发展部及设备技术部部长		

二、主题演讲

时 间	发言主题	发言嘉宾	单位及职务
15:30-16:00	轨道交通车辆空调绿色低碳技术应用研究	高福学	山东朗进科技股份有限公司 技术总工
16:00-16:30	暖通全场景智慧节能解决方案在智慧轨交应用分享	栾传方	青岛海尔空调电子有限公司 行业总经理
16:30-17:00	新一代文旅轨道交通列车空气环境优化管理方向与探讨	吴 晶	重庆轨道交通运营有限公司 车辆专家
17:00-17:30	绿色冷媒革命： CO ₂ 空调重塑轨道交通可持续发展未来	李萌宇	大连交通集团 工程技术中心副主任

会议结束

第二届城市轨道交通空调技术交流会

—— 车辆空调及车站环控

2ND URBAN RAIL TRANSIT AIR CONDITIONING TECHNOLOGY EXCHANGE CONFERENCE
- VEHICLE AIR CONDITIONING AND STATION ENVIRONMENTAL CONTROL

论坛议程 / FORUM AGENDA

Part 1 Moderator	Li Guoqing, Deputy Director & Secretary-General, Technical Equipment Committee, CAMET
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I. KEYNOTE PRESENTATIONS

TIME	TOPIC	SPEAKERS	AFFILIATION & TITLE
14:00-14:30	Improving the Service Environment of Metro Vehicle Air Conditioning: An Exploration	Li Xi	Beijing Mass Transit Railway Operation Corp., Ltd. Director, Asset Maintenance Management Department
14:30-15:00	Applying the Intelligent M&E O&M System at Qingdao Metro	Xing Chunyang	Qingdao Metro Group Co., Ltd. Deputy Chief Engineer & Director of Digital Intelligence and Equipment Technology
15:00-15:30	Future Directions in Metro Vehicle Air Conditioning Technology	Deng Qi	Technology Director, Technology Center, Shanghai Shentong Metro Group Co., Ltd.
Part 2 Moderator:	Xing Chunyang, Deputy Chief Engineer & Director of Digital Intelligence and Equipment Technology, Qingdao Metro Group Co., Ltd.		

II. Keynote Presentations

TIME	TOPIC	SPEAKERS	AFFILIATION & TITLE
15:30-16:00	Application Study of Green and Low-Carbon Technologies in Rail Vehicle Air Conditioning	Gao Fuxue	Shandong Longertek Technology Co., Ltd. Chief Engineer
16:00-16:30	Applying Smart, All-Scenario HVAC Energy-Saving Solutions in Rail Transit	Luan Chuanfang	Industry General Manager, Qingdao Haier Air Conditioner Electronics Co., Ltd.
16:30-17:00	Optimizing Air Quality Management in New-Gen Culture & Tourism Trains	Wu Jing	Vehicle Expert, Chongqing Rail Transit Operation Co., Ltd.
17:00-17:30	A Green Revolution in Refrigerants: CO ₂ AC Systems Redefining Sustainable Rail Transit	Li Mengyu	Deputy Director of the Engineering Technology Center, Dalian Transportation Group

第二届城市轨道交通空调技术交流会

—— 车辆空调及车站环控

2ND URBAN RAIL TRANSIT AIR CONDITIONING TECHNOLOGY EXCHANGE CONFERENCE
- VEHICLE AIR CONDITIONING AND STATION ENVIRONMENTAL CONTROL

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



黎国清 /Li Guoqing

中国城市轨道交通协会技术装备专业委员会副主任兼秘书长

Deputy Director & Secretary-General, Technical Equipment Committee, CAMET

黎国清，中国城市轨道交通协会技术装备专业委员会副主任兼秘书长，研究员，博士生导师。主持完成多项国家、省部级科技项目，获国家科技进步奖二等奖 1 项、省部级科技进步奖 17 项、院局级科技奖 14 项。在《中国铁道科学》《铁道学报》等学术刊物发表论文 66 篇（其中 SCI、EI 检索 16 篇），主编学术著作 2 本，获得国家专利 16 项。曾荣获国务院特殊政府津贴、火车头奖章、国家万人计划科技领军人才称号。

Li Guoqing Deputy Director and Secretary-General of the Technical Equipment Committee, China Association of Metros (CAMET); also a Research Fellow and Doctoral Supervisor. This individual has led and completed multiple national, provincial, and ministerial-level science and technology projects, receiving one Second Prize of the National Science and Technology Progress Award, 17 provincial/ministerial-level science and technology progress awards, and 14 institute/bureau-level science and technology awards. They have published 66 papers in academic journals such as the China Railway Science and the Journal of the China Railway Society (16 of which are indexed by SCI/EI), served as the chief editor for 2 academic books, and obtained 16 national patents. Key honors include the State Council's special allowance, the Huochetou Medal, and the title of "Leading Talent in Science and Technology" under the National "Ten Thousand Talents Program".

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



李熙 /Li Xi

北京市地铁运营有限公司资产维护管理部总监

Beijing Mass Transit Railway Operation Corp., Ltd.

Director, Asset Maintenance Management Department

李熙，北京市地铁运营有限公司资产维护管理部总监，二级专家，博士，正高级工程师。负责北京市地铁运营有限公司运营线路的设备设施全生命周期管理。全国轨道电气设备与系统标准化技术委员会（SAC/TC 278）委员，中国城市轨道交通协会标准化技术委员会技术装备分技术委员会（SC）副主任委员。曾参与轨道交通车辆相关国家科技部、北京市及地铁公司等各级各类课题 50 余项。参与交通运输部多项行业指导文件及国家、行业、地方、团体技术标准的编制及修订工作，出版专著 2 部，发表论文 53 篇，获得授权发明专利 10 项，实用新型专利 5 项，获得省部级科技进步奖励 11 项。

Li Xi Director of the Asset Maintenance and Management Department, Beijing Metro Operation Co., Ltd.; also a Second-level Expert, PhD, and Professor-level Senior Engineer. This individual is responsible for the full lifecycle management of equipment and facilities for all operational lines of Beijing Metro Operation Co., Ltd. They are a member of the National Technical Committee for Standardization of Rail Electrical Equipment and Systems (SAC/TC 278) and Vice Chairman of the Technical Equipment Subcommittee (SC) of the CAMET Standardization Technical Committee. They have participated in over 50 research projects of various levels related to rail transit vehicles, sponsored by entities such as the Ministry of Science and Technology, the Beijing Municipality, and metro corporations. They have contributed to the drafting and revision of multiple industry guidance documents for the Ministry of Transport, as well as national, industry, local, and group technical standards. They have also published 2 books, authored 53 papers, secured 10 invention patents and 5 utility model patents, and received 11 provincial/ministerial-level science and technology progress awards.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



邢春阳 /Xing Chunyang

青岛地铁集团有限公司集团副总工程师，数智发展部、设备技术部部长

*Qingdao Metro Group Co., Ltd. Deputy Chief Engineer of the Group;
Director, Digital Intelligence Development & Equipment Technology Departments, Qingdao Metro Group*

邢春阳，1999年毕业于大连交通大学，现任青岛地铁集团副总工程师，数智发展部、设备技术部部长，有丰富的数智化、绿色化规划、建设理论及实战经验。牵头《青岛市城市轨道交通智慧城轨顶层规划》及《青岛地铁数字化转型总体规划》发布，主导完成行业首个企业级数据标准编制；先后取得实用新型专利授权5项，软著授权11项，6号线TACS国家示范工程建设、BIM、智慧工地等案例、论著获得国家、省市及行业主管单位的表彰、刊发。

Xing Chunyang A 1999 graduate of Dalian Jiaotong University, Xing Chunyang currently serves as the Deputy Chief Engineer of Qingdao Metro Group and Director of the Digital Intelligence Development & Equipment Technology Departments. He possesses extensive theoretical and practical experience in planning and constructing digital, Green, and Smart systems. He led the release of the Top-Level Plan for Smart Urban Rail in Qingdao and the Overall Plan for Digital Transformation of Qingdao Metro, and directed the creation of the industry's first enterprise-level data standard. He holds 5 utility model patents and 11 software copyrights. His work on landmark projects, including the TACS National Demonstration Project for Line 6, BIM applications, and Smart Construction Sites, has received recognition and has been published by national, provincial, and industry authorities.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



邓奇 / Deng Qi

上海申通地铁集团有限公司技术中心车辆技术总监

Technology Center, Shanghai Shentong Metro Group Co., Ltd. Vehicle Technology Director

邓奇，从事城市轨道交通车辆领域科研创新和技术管理工作多年，主持和参与国家 863 课题 2 项、省部级课题 10 项，发表论文 10 余篇，专利授权 7 项（其中发明专利 3 项），参编国家、行业和地方标准 8 项，先后获得城市轨道交通科学技术奖特等奖 1 次、二等奖 1 次，主要研究方向涉及列车全自动驾驶、车辆智能运维、安全风险防护、节能和数字化等技术领域。

Deng Qi With many years of experience in scientific innovation and technical management within the urban rail vehicle sector, she has led or participated in 2 national "863 Program" projects and 10 provincial-level projects. She has published over 10 papers, secured 7 patents (including 3 for invention), and co-authored 8 national, industry, and local standards. Her work has earned one special prize and one second prize from the Urban Rail Transit Science and Technology Awards. Her primary research focuses on fully automated train operation, intelligent vehicle O&M, safety risk protection, energy conservation, and digitalization.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



高福学 / Deng Qi

山东朗进科技股份有限公司技术总工

Shandong Longertek Technology Co., Ltd. Chief Engineer

高福学，从事制冷系统设计 10 余年，曾主导多个国家级重点项目的研发工作，参与编制 GJB9168-2017 军用雷达循环冷却液制冷机组通用规范；现为山东朗进科技股份有限公司技术总工，在搭建国铁车辆空调、轨道车辆空调技术平台的同时，为公司开拓热泵烘干、数字能源、新能源汽车等新业务板块提供技术支撑

Deng Qi With over 10 years of experience in refrigeration system design, this individual has led R&D for several key national projects and participated in drafting GJB 9168-2017, the General Specification for Refrigeration Units of Circulating Coolant for Military Radars. Currently serving as the Chief Technical Engineer at Shandong Longertek Technology Co., Ltd., they provide technical support for the company's expansion into new business areas such as heat pump drying, digital energy, and new energy vehicles, while also developing technology platforms for national railway and urban rail vehicle air conditioning systems.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



栾传方 / Luan Chuanfang

青岛海尔空调电子有限公司海尔智慧楼宇轨道交通行业总经理

Qingdao Haier Air Conditioner Electronics Co., Ltd.

General Manager of the Rail Transit Sector, Haier Smart Building

栾传方，在海尔工作超 20 年，多次荣获海尔金锤奖、团队金榕树奖、产业先进个人等，2019 年履职海尔智慧楼宇轨道交通行业负责人，带领团队深耕轨交市场。秉持以用户为中心的企业理念，不断以创新的方案和真诚的服务，带领团队连续 7 年创行业第一，现已服务全国 39 座城市，239 条地铁线路。栾总坚信：用户对智慧绿色节能发展的追求，乘客对美好环境的期望，是永恒不变的，海尔智慧楼宇坚持走在一条正确的道路上。

Luan Chuanfang With over 20 years at Haier, this individual has received multiple honors, including the Haier Golden Hammer Award, the Team Golden Banyan Award, and the "Industrial Advanced Individual" award. In 2019, they took on the role of Head of the Rail Transit Sector for Haier Smart Building, leading the team to deeply cultivate the rail transit market. Upholding a user-centric business philosophy, they have continuously delivered innovative solutions and sincere service, leading the team to achieve the number one position in the industry for seven consecutive years. The team has now served 239 metro lines across 39 cities nationwide. General Manager Luan firmly believes that the user's pursuit of smart, green, and energy-efficient development and the passenger's expectation for a better environment are timeless constants, and that Haier Smart Building is steadfastly on the right path.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



吴晶 /Wu Jing

重庆轨道交通运营有限公司办公室主任

Chongqing Rail Transit Operation Co., Ltd. Director of the Office

吴晶，工学学士，正高级工程师，现任重庆轨道运营公司办公室主任，担任中国城市轨道交通协会技术装备委员会 SC04 委员，IEEE/VTS 委员，中国城市轨道交通协会城轨装备专家库专家，重庆市职业能力建设领域专家智库专家，重庆轨道车辆一级资深专家。从事轨道交通行业 20 年，带领完成多项重大关键性技术攻关，牵头执行多项国家科技部重大科研项目，参与编制评审的国家标准、行业标准、轨道交通团体标准若干部；编写《城市轨道交通列车检修工》和职业技能鉴定标准等多项著作，发表轨道交通车辆相关技术论文 16 篇。

Wu Jing, holding a Bachelor of Engineering and the title of Professor-level Senior Engineer, currently serves as the Director of the Office at Chongqing Rail Transit Operation Co. She is a member of the SC04 Committee of the CAMET Technical Equipment Committee, a member of IEEE/VTS, an expert in the CAMET Urban Rail Equipment Expert Database, a member of the Chongqing Municipal Expert Think Tank for Vocational Capacity Building, and a First-level Senior Expert in Chongqing's rail vehicles. With 20 years in the rail transit industry, she has led the completion of numerous major and critical technology projects and headed the execution of several key national research projects for the Ministry of Science and Technology. She has participated in the drafting and review of several national, industry, and rail transit group standards; authored multiple works including Urban Rail Transit Train Maintenance Technician and vocational skill appraisal standards; and published 16 technical papers on rail transit vehicles.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



李萌宇 / Li Mengyu

大连公共交通建设投资集团有限公司工程技术中心副主任

Dalian Public Transport Construction and Investment Group Co., Ltd.

Deputy Director of the Engineering Technology Center

李萌宇，大连公共交通建设投资集团有限公司工程技术信息中心副主任。曾任大连口岸管理委员会主任科员、大连市交通运输局副处长。多年来一直从事大连交通行业信息化管理工作，研究方向为“城市交通信息化发展与建设”和“城市交通移动支付、大数据和生物识别技术的应用”，迄今为止主持了六十余项大连交通行业信息化项目的立项、审批、验收等工作。

Li Mengyu Deputy Director of the Engineering Technology and Information Center, Dalian Public Transportation Construction and Investment Group Co., Ltd. Formerly served as a Senior Clerk at the Dalian Port Management Commission and as a Deputy Division Chief at the Dalian Municipal Transportation Bureau. Has been engaged in information management within Dalian's transportation sector for many years, with research interests focusing on "urban transportation informatization development and construction" and "the application of mobile payment, big data, and biometric identification technologies in urban transportation." To date, has led the initiation, approval, and acceptance of over sixty informatization projects in Dalian's transportation industry.

2025 CAMET 论坛 FORUM

同期活动:

城市轨道交通 TOD 论坛 2025 青岛年会

Urban Rail Transit TOD Forum at MetroTrans 2025 (Qingdao)

论坛架构 / FORUM STRUCTURE

论坛时间: 2025 年 9 月 19 日 14:00-17:00

论坛地点: 中铁青岛世界博览城 会议中心 2 层 206 会议室

主办单位: 中国城市轨道交通协会

承办单位: 中国城市轨道交通协会资源经营专业委员会
青岛地铁集团有限公司

协办单位: 青岛青铁置业发展有限公司

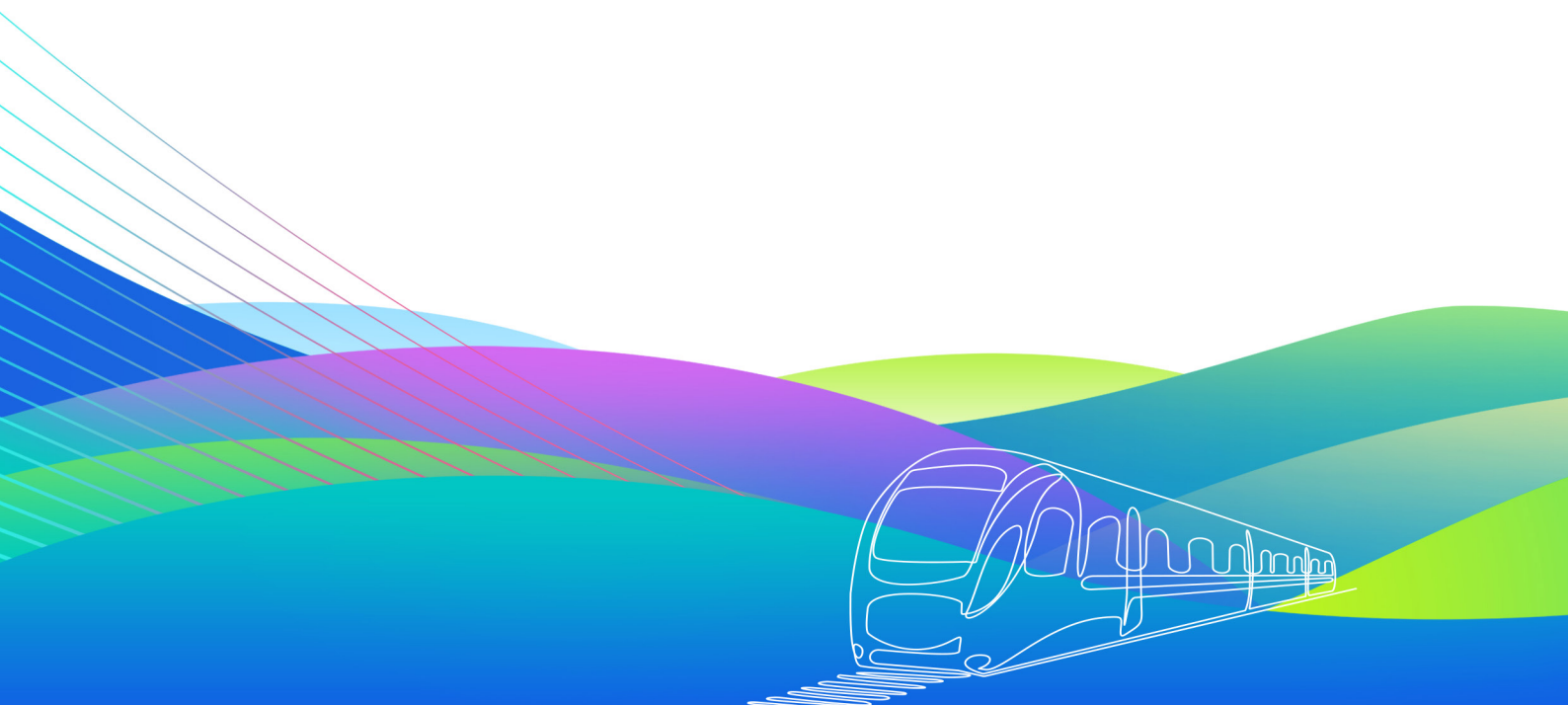
Forum Time: September 19, 2025, 14:00-17:00

Forum Venue: Meeting Room 206, 2nd Floor, Conference Center

Hosted by: China Association of Metros

Organized by: China Association of Metros Resource Management Committee
Qingdao Metro Group Co., Ltd.

Co-organized by: Qingdao Qingtie Real Estate Development Co., Ltd.



论坛议程 / FORUM AGENDA

主持人	李晓杰 中国城市轨道交通协会资源经营专业委员会副主任		
时 间	主要议程	发言嘉宾	单位及职务
13:45-14:00	签到合影		
14:00-14:10	主持人介绍与会领导嘉宾		
14:10-14:30	青岛地铁集团有限公司主旨发言	李 成	青岛地铁集团有限公司副总经理
14:30-14:45	《中国城轨 TOD 指数（2025）》发布仪式	薄纯玉	中城轨文化传媒有限公司副总经理 《中国城轨 TOD 指数报告》联合主编
14:45-15:10	《城市轨道交通经营可持续发展研究》之 TOD 调研情况简报	朱晓兵	中国城市轨道交通协会 资源经营专业委员会副秘书长
15:10-15:25	茶 歇		
15:25-15:45	苏州市轨道交通集团有限公司主题发言	朱 宁	苏州市轨道交通集团有限公司副总经理
15:45-16:05	南通轨道交通集团有限公司主题发言	张 锋	南通轨道交通集团有限公司副总经理
16:05-16:25	成都轨道交通集团有限公司主题发言	王华文	成都轨道城市投资集团公司副总工程师
16:25-16:45	深圳市地铁集团有限公司主题发言	沈文赫	深圳地铁置业集团有限公司运营技术总监
会议结束			

城市轨道交通 TOD 论坛 2025 年会

2025 URBAN RAIL TRANSIT TOD FORUM ANNUAL MEETING

论坛议程 / FORUM AGENDA

Moderator	To be determined		
TIME	MAIN AGENDA	SPEAKERS	AFFILIATION & TITLE
13:45-14:00	Check-in and Group Photo		
14:00-14:10	Moderator's Introduction of Attending Leaders and Guests		
TIME	TOPIC	SPEAKER	AFFILIATION AND TITLE
14:10-14:30	Keynote Speech by Qingdao Metro Group Co., Ltd.	Li Cheng	Qingdao Metro Group Co., Ltd. Deputy general manager
14:30-14:55	Launch Ceremony: China Urban Rail TOD Index (2025)	Bo Chunyu	Deputy General Manager, Beijing Sino Urban Railway Culture Media Co., Ltd. & Co-editor-in-chief, China Urban Rail TOD Index Report
14:55-15:15	Latest TOD Trends: A Briefing from the Study on Sustainable Urban Rail Operations	Zhu Xiaobing	Deputy Secretary-General, Resource Operation Professional Committee, CAMET
Coffee Break			
15:25-15:45	Keynote Speech by Suzhou Rail Transit Group Co., Ltd.	Zhu Ning	Deputy General Manager, Suzhou Rail Transit Group Co., Ltd.
15:45-16:05	Keynote Speech by Nantong Rail Transit Group Co., Ltd.	Zhang Feng	Deputy General Manager, Nantong Rail Transit Group Co., Ltd.
16:05-16:25	Keynote Speech by Chengdu Rail Transit Group Co., Ltd.	Wang Huawen	Deputy Chief Engineer, Chengdu Metro City Investment Group Co., Ltd.
16:25-16:45	Keynote Speech by Shenzhen Metro Group Co., Ltd.	Shen Wenhe	Director of Operations Technology, Shenzhen Metro Property Group Co., Ltd.
End of Forum			

城市轨道交通 TOD 论坛 2025 年会

2025 URBAN RAIL TRANSIT TOD FORUM ANNUAL MEETING

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



李成 / Li Cheng

青岛地铁集团有限公司党委委员、副总经理

Member of the Party Committee and Deputy General Manager, Qingdao Metro Group Co., Ltd.

李成，1969年出生，山东省委党校研究生学历，党政干部研究生班专业毕业；历任青岛市市北区委、区政府信访局局长、区委政法委副书记，青岛市市北区开发建设局局长，青岛地铁集团有限公司副总经济师、征迁协调部部长；现任青岛地铁集团有限公司党委委员、副总经理，主要负责企业文化、宣传及品牌建设、信访及舆情处置、征地拆迁、土地储备及 TOD 开发、经营、招商引资及商业经营、物业拓展与经营，统筹推进打造一流城市投资建设运营商工作。

Li Cheng Born in 1969, Mr. Li holds a postgraduate degree from the Party School of the Shandong Provincial CPC Committee, where he completed a program for party and government cadres. His previous roles include Director of the Bureau of Letters and Calls for the Shibei District Committee and Government of Qingdao, Deputy Secretary of the Political and Legal Affairs Commission of the Shibei District Committee, and Director of the Shibei District Development and Construction Bureau. He also served as Deputy Chief Economist and Director of the Land Acquisition and Coordination Department at Qingdao Metro Group. In his current role, he is responsible for corporate culture, communications and brand building, public complaint and sentiment management, land acquisition and relocation, land reserves and TOD development, business operations, investment promotion, property expansion and management, and coordinating the initiative to become a first-class urban investment and construction operator.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



朱晓兵 / Zhu Xiaobing

中国城市轨道交通协会资源经营专业委员会副秘书长

西南交通大学 TOD 研究中心主任、拓道咨询创始人

*Deputy Secretary-General, Resources Management Committee, China Association of Metros (CAMET)
Director, TOD Research Center, Southwest Jiaotong University; Founder, Tuodao Consulting*

朱晓兵，从 2003 年起开始中国内地 TOD 实践，拥有全国 30 多个城市以及铁路领域一百多个 TOD 项目的落地实操经验。担任中国市长协会、多个行业协会与政府部门特聘专家，以及多个市 / 区政府和轨道公司的 TOD 总顾问和全流程顾问。朱晓兵先生一直积极宣传和推广 TOD，连续多年参与策划和主持城轨及铁路领域的 TOD 论坛，是《中国城轨 TOD 指数》、城轨协会 TOD 标准和《TOD 发展报告》的主要参与者，以及城轨协会“TOD 领军人才研修营”的常任讲师；同时担任中国市长协会会刊《中国市长》“TOD 城市专栏”的编辑，参与联合国轨道交通 PPP 标准拟定、TOD-Life 甜生活指数研发、《中国城轨 TOD 应急管理蓝皮书》编制等。

Zhu Xiaobing began his Transit-Oriented Development (TOD) practice in mainland China in 2003 and has hands-on implementation experience with over 100 TOD projects in more than 30 cities and across the railway sector. He serves as a distinguished expert for the China Association of Mayors, various industry associations, and government departments, and also acts as the chief TOD advisor and full-process consultant for several municipal/district governments and rail transit companies. An active advocate for TOD, Mr. Zhu has planned and moderated TOD forums in the urban rail and railway sectors for many consecutive years. He is a key contributor to the China Urban Rail TOD Index, CAMET's TOD standards, and the TOD Development Report, and is a regular instructor for CAMET's "TOD Leading Talent Training Camp". He also serves as the editor of the "TOD City Column" for China Mayors (the journal of the China Association of Mayors) and has been involved in drafting the UN's PPP standards for rail transit, developing the TOD-Life Sweet Living Index, and compiling the Blue Book on TOD Emergency Management in China's Urban Rail.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



薄纯玉 / Bo Chunyu

中国城市轨道交通协会文化传播公司副总经理。

连续多年参与策划城轨 TOD 相关项目及活动，

“TOD 创新论坛”、《中国城轨 TOD 指数》联合发起人

*Deputy General Manager, Cultural Communication Company, China Association of Metros (CAMET)
For many consecutive years, she has been involved in planning urban rail TOD-related projects and events,
and is the co-founder of the “TOD Innovation Forum” and the China Urban Rail TOD Index.*

薄纯玉，长期深耕城轨行业市场品牌战略规划与项目全流程管理及商业经营，在人民城轨传媒矩阵搭建、全媒体产品运营及品牌 IP 打造方面具有丰富实战经验。擅长整合企业技术优势与市场需求，制定差异化品牌策略，并成功策划组织实施了系列行业大型主题活动、品牌论坛及咨询项目，有效推动品牌价值提升与文化知识传播体系的完善。

Bo Chunyu She has long-term, in-depth experience in brand strategy, full-cycle project management, and commercial operations within the urban rail industry, with extensive practical expertise in building the “People’s Urban Rail” media matrix, operating all-media products, and developing brand IPs. She excels at integrating corporate technical strengths with market demands to formulate differentiated brand strategies. She has successfully planned, organized, and implemented a series of large-scale industry events, brand forums, and consulting projects, effectively enhancing brand value and improving the cultural and knowledge dissemination framework.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



朱宁 / Zhu Ning

苏州市轨道交通集团党委委员、副总经理

苏州轨道交通资产经营有限公司董事长、安辰峻公司董事长

Member of the Party Committee and Deputy General Manager, Suzhou Rail Transit Group Co., Ltd. Chairman, Suzhou Rail Transit Asset Management Co., Ltd.; Chairman, Anchenjun Company

朱宁，主持、参与“苏州市轨道交通能源与碳排放协同智能管理技术集成与示范”等多项科研项目，参与发明专利6个，发表专 著论文2篇，主持《苏州轨道交通线路钢轨波磨发生的原因及其控制方法的研究》并成功实现成果转化。江苏省“333”第二层次培养对象，省交通运输行业“高层次领军人才培养计划”培养对象，曾牵头主持苏州轨道3、5、6、7、8号线的前期方案规划设计、工程设计、技术研究、报建验收等工作。分管集团公司资源开发和资产经营（TOD）工作，主持开发运营悬桥巷站城市更新TOD项目、汇星连商业项目、星连公寓等。

Zhu Ning He has led and participated in multiple scientific research projects, including the “Integration and Demonstration of Collaborative Intelligent Management Technology for Energy and Carbon Emissions in Suzhou Rail Transit”. He has contributed to 6 invention patents, published 2 monographs/papers, and led the research project “Study on the Causes and Control Methods of Rail Corrugation on Suzhou Rail Transit Lines”, which was successfully commercialized. He was selected for the second tier of the Jiangsu Provincial “333” Project and the “High-Level Leading Talent Training Program” for the provincial transportation industry. He has previously led the preliminary planning, engineering design, technical research, and approval/acceptance processes for Suzhou’s metro lines 3, 5, 6, 7, and 8. He oversees the Group’s resource development and asset management (TOD) portfolio and has directed the development and operation of projects such as the Xuanqiao Lane Station urban renewal TOD project, the Huixinglian commercial project, and the Xinglian Apartments.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



张锋 / Zhang Feng

南通轨道交通集团有限公司党委委员、副总经理

Member of the Party Committee and Deputy General Manager, Nantong Rail Transit Group Co., Ltd.

出生于 1970 年 1 月，毕业于南京师范大学。在南通轨道交通集团有限公司任职期间，深度参与南通地铁 1、2 号线高质量建设运营，全面负责轨道交通资源开发，牵头组建集团旗下资源开发公司、城市服务公司，主导研究与出台南通轨道交通综合开发上位文件，并成功实施南通首例 TOD 综合开发项目，以创新之举打造出轨道交通可持续发展的“南通样板”。

Zhang Feng Born in January 1970, he graduated from Nanjing Normal University. During his tenure at Nantong Rail Transit Group, he has been deeply involved in the high-quality construction and operation of Nantong Metro Lines 1 and 2. He holds overall responsibility for rail transit resource development, having led the establishment of the Group's resource development and urban services subsidiary companies. Mr. Zhang also spearheaded the research and issuance of high-level policy documents for comprehensive development and successfully implemented Nantong's first TOD project, creating an innovative and sustainable "Nantong model" for rail transit development.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



王华文 / Wang Huawen

成都轨道城市投资集团公司副总工程师

成都轨道交通集团“TOD 技术运用与推广工作室”领军人

Deputy Chief Engineer, Chengdu Metro City Investment Group Co., Ltd.

Leader, “TOD Technology Application and Promotion Studio”, Chengdu Rail Transit Group

王华文，成都轨道交通集团“TOD 技术运用与推广工作室”领军人。

1988年毕业于西南交通大学，有37年工作经验。曾在海外工作多年，从事建筑设计、施工管理、国际工程咨询等工作。现任职期间主要负责TOD一体化城市设计方案的编制和方案评审工作。2017-2018年期间，参与成都市TOD相关配套政策的编制，2020年组织编制《TOD在成都 - 公园城市理念下成都市TOD实践探索》《成都TOD综合开发战略规划》；2021年在成都轨道交通集团TOD总顾问渡边莊太郎先生的指导下参与编写《TOD开发五原则》并于2022年6月由中国建筑工业出版社出版；2024年在2023年第41卷第24期的《科技导报》作为第一作者发表题为“成都市TOD‘137’圈层规划模式及‘All in One’理念研究与实践”的论文。王华文同志也是《中国城轨TOD指数报告》（2020）版的编委会委员，中国国土经济学会，国土交通综合规划与开发（TOD）专业委员会专家，并于2019年获成都市“五一劳动奖章”，2022年被成都市总工会评选为“成都工匠”。

Wang Huawen A 1988 graduate of Southwest Jiaotong University, Mr. Wang has 37 years of professional experience. He worked overseas for many years in fields such as architectural design, construction management, and international engineering consulting. In his current role, he is primarily responsible for compiling and reviewing integrated urban design schemes for TOD projects. From 2017 to 2018, he contributed to the development of supporting policies for TOD in Chengdu. In 2020, he organized the compilation of TOD in Chengdu: Exploring Chengdu's TOD Practices under the Park City Concept and the Chengdu TOD Comprehensive Development Strategic Plan. In 2021, under the guidance of Mr. Shotaro Watanabe, Chief TOD Advisor to Chengdu Rail Transit Group, he co-authored The Five Principles of TOD Development, published by China Architecture & Building Press in June 2022. In 2024, he was the first author of the paper “Research and Practice of Chengdu's TOD '137' Sphere Planning Model and ‘All in One’ Concept”, published in Science and Technology Review (Vol. 41, No. 24, 2023). Mr. Wang is also a member of the editorial board for the China Urban Rail TOD Index Report (2020 edition) and an expert on the TOD Professional Committee of the China Society of Territorial Economics. He was awarded the “Chengdu May 1st Labor Medal” in 2019 and named a “Chengdu Craftsman” by the Chengdu Federation of Trade Unions in 2022.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



沈文赫 / Sheng Wenhe

深圳地铁置业集团有限公司

运营技术总监、高级工程师 负责公司好房子产品体系研究及 TOD 技术创新研究工作

Shen Wenhe, Director of Operations Technology & Senior Engineer at Shenzhen Metro Real Estate Group Co., Ltd., is responsible for the company's "Good House" product system research and TOD technology innovation research.

沈文赫，出生于 1970 年 1 月，毕业于南京师范大学。在南通轨道交通集团有限公司任职期间，深度参与南通地铁 1、2 号线高质量建设运营，全面负责轨道交通资源开发，牵头组建集团旗下资源开发公司、城市服务公司，主导研究与出台南通轨道交通综合开发上位文件，并成功实施南通首例 TOD 综合开发项目，以创新之举打造出轨道交通可持续发展的“南通样板”。

Shen Wenhe, Director of Operations Technology & Senior Engineer at Shenzhen Metro Real Estate Group Co., Ltd., is responsible for the company's "Good House" product system research and TOD technology innovation research.

2025 CAMET 论坛 FORUM

同期活动:

城轨行业期刊及知识传播论坛

*Urban Rail Transit industry Journals and Knowledge
Dissemination Forum*

论坛架构 / FORUM STRUCTURE

论坛时间: 2025年9月19日 14:00-17:00

论坛地点: 中铁青岛世界博览城 N4 馆科普展区

指导单位: 中国城市轨道交通协会专家和学术委员会

主办单位: 《都市轨道交通》、人民城轨传媒矩阵、《城市轨道交通研究》、《现代城市轨道交通》

承办单位: 中国城市轨道交通协会传媒会展中心

协办单位: 轨道交通期刊联盟、《城市轨道交通》、北京交通大学出版社、人民交通出版社、城际线

Forum Time: September 19, 2025, 14:00-17:00

Forum Venue: Popular Science Exhibition Area, N4 Pavilion

Guided by: Expert and Academic Committee of the China Association of Metros

Hosted by: Urban Mass Transit

People's Metro Media Matrix

Urban Rail Transit Research

Modern Urban Rail Transit

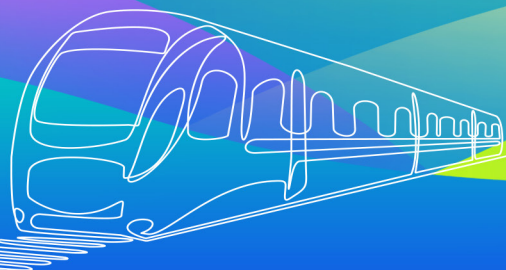
Organized by: Media and Exhibition Center of the China Association of Metros

Co-organized by: Rail Transit Journal Alliance, Urban Rail Transit,

Beijing Jiaotong University Press

People's Communications Press

Intercity Rail



论坛议程 / FORUM AGENDA

主持人	韩宝明 协会专家学术委副主任兼秘书长、《都市快轨交通》杂志社荣誉社长
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一、主旨发言

时 间	发言主题	发言嘉宾	单位及职务
14:00-14:10	主办单位发言	李元胜	中国城市轨道交通协会副秘书长 协会东盟合作委员会副主任兼秘书
14:10-14:30	主办单位发言	鲁 放	《都市快轨交通》杂志社社长

二、发布仪式

14:30-14:50	2025 中国国际城市轨道交通展览会暨 CAMET 论坛论文集发布仪式及赠送活动
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三、主题演讲

时 间	发言主题	发言嘉宾	单位及职务
14:50-15:20	中国城市轨道交通自主创新知识体系的构建与传播	陈志敏	人民交通出版社总编辑
15:40-16:00	赋有生命力的“共享、共建”知识管理系统	刘 亮	广州地铁设计研究院股份有限公司雄安分院院长
15:20-15:40	人民城轨传媒矩阵赋能品牌发展的探索与实践	薄纯玉	中国城市轨道交通协会 中城轨文化传播有限公司副总经理
16:00-16:20	城轨行业知识库的构建与应用	刘 巍	北京城建设计发展集团 知名专家工作室主创

四、圆桌讨论

16:20-17:00	圆桌讨论：主编面对面——科技创新与知识传播 主持人：鲁放 《都市快轨交通》杂志社社长 讨论嘉宾： 滕靖 《城市轨道交通研究》杂志社社长、同济大学交通学院教授 凌晨 《諛嚆考代城市轨道交通》杂志编辑部主任 王博 《城市轨道交通》杂志编辑部主任 倪冰 《城际线》栏目总策划、迈坦传媒公司总经理
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会议结束

论坛议程 / FORUM AGENDA

Moderator	Han Baoming, Deputy Director and Secretary-General of the Association's Expert and Academic Committee & Honorary President of Urban Mass Transit Magazine
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I. KEYNOTE SPEECHES

TIME	TOPIC	SPEAKERS	AFFILIATION AND TITLE
14:00-14:10	Host's Address	Li Yuansheng	Deputy Secretary-General, CAMET Deputy Director & Secretary-General, CAMET ASEAN Cooperation Committee
14:10-14:30	Host's Address	Lu Fang	President, Urban Mass Transit Magazine

II. LAUNCH CEREMONY

14:30-14:50	Proceedings Launch & Complimentary Distribution: 2025 China International Metro Transit Exhibition and CAMET Forum
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III. THEMATIC PRESENTATIONS

TIME	TOPIC	SPEAKERS	AFFILIATION AND TITLE
14:50-15:20	Building and Sharing the Knowledge System of Independent Innovation in China's Urban Rail Transit	Chen Zhimin	Editor-in-Chief, People's Communications Press
15:40-16:00	A Dynamic "Share-and-Build" Knowledge Management System	LiuLiang	President of Xiongan Branch of Guangzhou Metro Design & Research Institute Co., Ltd.
15:20-15:40	Exploration and Practice of Empowering Brand Development with the People's Urban Rail Media Matrix	Bo Chunyu	Beijing Sino Urban Railway Cultural Communication Co.Ltd. Deputy General Manager
16:00-16:20	The Construction and Application of a Knowledge Base for the Urban Rail Industry	Liu Wei	Lead Creator, Renowned Expert Studio, Beijing Urban Construction Design & Development Group

IV. ROUNDTABLE DISCUSSION

16:20-17:00	<p>Roundtable: Editors Face-to-Face- Technological Innovation and Knowledge Dissemination</p> <p>Moderator: Lu Fang, President, Urban Mass Transit Magazine</p> <p>Panelists:</p> <p>Teng Jing, President of Urban Rail Transit Research Magazine & Professor at the College of Transportation, Tongji University</p> <p>Lingchen, Director of the Editorial Department of Modern Urban Transit Magazine</p> <p>Wang Bo, Director of the Editorial Department, Urban Rail Transit Magazine</p> <p>Ni Bing, Chief Planner of the Intercity Rail Program & General Manager of Maitan Media</p>
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End of Session

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



陈志敏 / Chen Zhimin

人民交通出版社股份有限公司总编辑

China Communications Press Co., Ltd. China Communications Press Co., Ltd. Editor-in-Chief

陈志敏，人民交通出版社总编辑，《交通节能与环保》期刊主编，中国编辑学会理事，中国公路学会理事，长期从事图书编辑出版及融合出版、企业知识管理、科技出版融合发展转型、交通文化宣传的理论研究与创新实践，获得包括中国出版政府奖在内的省部级以上图书奖 6 项，入选第三批北京市新闻出版广电行业领军人才、交通运输青年科技英才、中宣部文化名家暨“四个一批”人才，荣获国务院特殊津贴。

Chen Zhimin is the Editor-in-Chief of People's Communications Press and the journal Transportation Energy Conservation & Environmental Protection. He serves as a director for both the China Editology Society and the China Highway and Transportation Society. With a long-standing career in book editing, integrated publishing, corporate knowledge management, and the digital transformation of science publishing, he is also a dedicated researcher and practitioner in promoting transportation culture. He has received six provincial-level or higher book awards, including the China Publishing Government Award. He has been recognized as a Leading Talent in Beijing's News and Publishing Industry, a Young Science and Technology Talent in Transportation, and a "Four Batches" Talent by the Central Propaganda Department, and is a recipient of the State Council's special allowance.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



李元胜 / Li Yuansheng

中国城市轨道交通协会副秘书长、新闻发言人

协会东盟合作委员会副主任兼秘书长

*Deputy Secretary-General, CAMET
Deputy Director & Secretary-General, CAMET ASEAN Cooperation Committee*

中国城市轨道交通协会副秘书长、新闻发言人、协会东盟合作委员会副主任兼秘书长，《城市轨道交通》杂志社社长，《人民城轨》出版人，北京中城轨文化传播有限公司董事长，北京中城轨会展有限公司董事长，北京交大城轨校友会副会长兼秘书长。北京交通大学 EMBA，北京航空航天大学工学博士。

Li Yuansheng Deputy Secretary-General & Spokesperson of CAMET; Deputy Director & Secretary-General of the CAMET ASEAN Cooperation Committee; President of Urban Rail Transit magazine; Publisher of People's Urban Rail; Chairman of Beijing Sino Urban Railway Culture Media Co., Ltd.; Chairman of Beijing MetroTrans Exhibition Co., Ltd.; and Vice President & Secretary-General of the Beijing Jiaotong University Urban Rail Alumni Association. He holds an EMBA from Beijing Jiaotong University and a Doctor of Engineering from Beihang University.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



韩宝明 / Han Baoming

中国城市轨道交通协会专家和学术委员会副主任兼秘书长、《都市快轨交通》杂志社荣誉社长
Deputy Director and Secretary-General of Expert and Academic Committee, CAMET
Honorary President of Urban Mass Transit Magazine

韩宝明，北京交通大学交通运输学院教授，博士生导师。现任北京交通大学TOD研究院执行院长，《都市快轨交通》杂志社社长，中国城市轨道交通协会专家和学术委员会副主任兼秘书长，中国城市轨道交通协会科技进步奖奖励委员会副主任，中国城市轨道交通协会职称评审委员会副主任，内蒙古大学与天津职业技术师范大学兼职教授。长期从事国土空间与交通协同（TOD）、铁路运输组织现代化、高速铁路运输组织、城市轨道交通运营管理等领域的相关工作。主要研究方向为运输组织现代化和城市轨道交通规划与管理等。近年来，先后主持和作为主要完成人参加完成国家自然科学基金、省部级项目40余项。在国内外刊物上发表了200余篇论文，其中多篇论文被SCI、EI检索。出版多部教材和专著。

Han Baoming A Professor and Doctoral Supervisor at the School of Traffic and Transportation, Beijing Jiaotong University. He is the Executive Dean of the TOD Research Institute at Beijing Jiaotong University and serves as President of Urban Mass Transit magazine. Within the China Association of Metros (CAMET), he holds several key leadership positions: Deputy Director and Secretary-General of the Expert and Academic Committee, Deputy Director of the Science and Technology Progress Award Committee, and Deputy Director of the Professional Title Evaluation Committee. He also contributes as an adjunct professor at Inner Mongolia University and Tianjin University of Technology and Education. His career is dedicated to advancing critical fields such as Transit-Oriented Development (TOD), modernizing railway transport organization, managing high-speed rail operations, and optimizing urban rail transit management. His principal research is focused on the modernization of transportation organization alongside urban rail transit planning and management. In recent years, he has successfully led or served as a principal contributor to over 40 national, provincial, and ministerial-level research projects, including initiatives backed by the National Natural Science Foundation of China. An accomplished author, he has published over 200 papers in domestic and international journals, many of which are indexed by SCI and EI. His body of work also includes multiple textbooks and monographs.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



鲁放 / Lu Fang

北京交通大学《都市快轨交通》杂志社社长

Beijing Jiaotong University President of the Urban Rapid Rail Transit Journal

鲁放，交通运输规划与管理专业工学博士，北京交通大学交通运输学院硕士生导师，都市快轨交通杂志社社长，兼任中国城市轨道交通协会专家学术委副秘书长，Urban Rail Transit 国际期刊副主编，“科普中国”专家。发表论文 60 余篇，主持科研项目 30 余项，获省部级科技奖励 7 项，授权发明专利 6 项。

Lu Fang, Ph.D. in Transportation Planning and Management, Master's Supervisor at the School of Traffic and Transportation, Beijing Jiaotong University, President of the Urban Rapid Rail Transit Journal, and Deputy Secretary General of the Expert Academic Committee of the China Urban Rail Transit Association.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



薄纯玉 / Bo Chunyu

中国城市轨道交通协会中城轨文化传播有限公司副总经理

China Association Of Metros Beijing Sino Urban Railway Cultural Communication Co.Ltd. deputy general manager

薄纯玉，中国城市轨道交通协会文化传播公司副总经理，城轨行业市场品牌战略规划与项目全流程管理的资深从业者。在人民城轨传媒矩阵搭建、全媒体产品运营及品牌 IP 打造方面具有丰富实战经验，擅长整合企业技术优势与市场需求，制定差异化品牌策略，并成功策划组织实施了系列行业大型主题活动、品牌论坛及咨询项目，有效推动品牌价值提升与文化知识传播体系的完善。

Bo Chunyu, Deputy General Manager of the Cultural Communication Company under the China Association of Urban Rail Transit, is a senior practitioner in the urban rail transit industry, specializing in market brand strategy planning and full-process project management. He has rich practical experience in building the "People's Urban Rail" media matrix, operating omni-media products, and developing brand IPs. He excels at integrating enterprises' technological advantages with market demands to formulate differentiated brand strategies, and has successfully planned, organized and implemented a series of large-scale industry-themed events, brand forums and consulting projects, effectively promoting the improvement of brand value and the refinement of the cultural knowledge dissemination system.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



刘巍 / Liu Wei

北京城建设计发展集团股份有限公司知名专家工作室主创

Beijing Urban Construction Design & Development Group Co. Chief Creator of the Famous Expert Studio

刘巍，1983年4月生，高级经济师，北京城建设计发展集团股份有限公司知名专家工作室主创，《都市轨道交通》青年编委，美国斯蒂文斯理工大学项目管理硕士；拥有丰富的轨道交通项目评价咨询经验，主要从事城市轨道交通复杂巨系统、可持续发展评价以及人工智能等研究工作。

Liu Wei, male, born Apr 1983, Senior Economist. Lead Creator, Beijing Urban Construction Design Expert Studio; Young Ed. Bd. Member, Urban Rapid Rail Transit. MPM, Stevens Institute of Technology (USA). Rich in rail transit eval.; focuses on its complex systems, sustainable eval. & AI.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



滕靖 / Teng Jing

同济大学铁道与城市轨道交通研究院副院长

Tongji University Vice Dean of the Institute of Rail Transit

滕靖，同济大学交通学院教授、博导、铁道与城市轨道交通研究院副院长、《城市轨道交通研究》编辑部主任，入选上海市东方英才、宝钢优秀教师，兼任国家铁路局科技标准规划专家、美国科学院交通运输研究委员会委员、世界交通运输大会“多网融合下轨道交通规划、设计与管理”技术委员会委员。科研成果交通运输部交通运输重大科技创新成果，中国交通运输协会科学技术奖二等奖，中国智能交通协会科学技术奖二等奖等奖励。同济大学交通学院教授、博导、铁道与城市轨道交通研究院副院长、《城市轨道交通研究》编辑部主任，入选上海市东方英才、宝钢优秀教师，兼任国家铁路局科技标准规划专家、美国科学院交通运输研究委员会委员、世界交通运输大会“多网融合下轨道交通规划、设计与管理”技术委员会委员。科研成果交通运输部交通运输重大科技创新成果，中国交通运输协会科学技术奖二等奖，中国智能交通协会科学技术奖二等奖等奖励。

Teng Jing Professor and doctoral supervisor at the School of Transportation, Tongji University; Vice Dean of the Institute of Rail Transit; and Director of the Editorial Department of Urban Rail Transit Research. Selected as a Shanghai “Oriental Scholar” and awarded the Baosteel Excellent Teacher Award.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



王博 / Wang Bo

《城市轨道交通》杂志编辑部主任
"China Metros" magazine Editor-in-Chief

王博，《城市轨道交通》杂志编辑部主编

Wang Bo Editor-in-Chief of the Editorial Office of "China Metros" magazine

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



倪冰 / Linda

劭坦信息科技（上海）有限公司

Maitan Information Technology (Shanghai) Co., Ltd City Line Chief Planner

倪冰，从事轨道交通行业品牌策划与推广工作 20 余年，历任德国莱茵 TUV 铁路事业部大中华区市场总监。2019 年创立轨道交通行业原创科技视频栏目《城际线》，策划了《芜湖跨座式单轨》、《西安地铁智慧建设篇、运营篇》、《上海地铁全自动运行》、《轨道上的都市圈 - 市域轨道交通》、《新加坡轨道交通的创新与实践》、《上海地铁 2 号线旧线换新的创新与实践》等一系列专题。

She has been engaged in branding and promotion in the rail transit industry for more than 20 years, and has served as the Marketing Director of the Rail Greater China Division of TUV Rheinland Group. In 2019, She established video program "City Line" in the rail transit industry, and a series of special topics were planned, including "Wuhu Monorail", "Intelligent Construction and Operation of Xi'an Metro", "Fully Automatic Operation of Shanghai Metro", "Urban Circle on Rail Transit- Urban Rail Transit", "Innovation and Practice of Singapore Rail Transit", "Innovation and Practice of Shanghai Metro Line 2 Line Recruitment", etc.

2025 CAMET 论坛 FORUM

同期活动:

第三届交大校友沙龙

——校友企业家、专家畅谈“创新破局”

3rd Jiaotong University Alumni Salon

- A Dialogue on Innovation and Breakthrough with Alumni Entrepreneurs and Experts

论坛架构 / FORUM STRUCTURE

沙龙时间: 2025年9月19日 18:00-21:30

沙龙地点: 中铁青岛世界博览城 会议中心 207 会议室

指导单位: 中国城市轨道交通协会

主办单位: 交大校友总会

联合主办: 青岛地铁集团有限公司

交控科技股份有限公司

协办单位: 上海睿而维科技有限公司

北京卡特加特人工智能科技有限公司

承办单位: 北京交大城轨校友会

中国城市轨道交通协会文化和培训部

中国城市轨道交通协会传媒会展中心

Salon Time: September 19, 2025, 18:00-21:30

Salon Venue: Meeting Room 207, China Qingdao World Expo City Conference Center

Guided by: China Association of Metros

Hosted by: Jiaotong University Alumni Association

Co-hosted by: Qingdao Metro Group Co., Ltd.

TCT Co., Ltd.

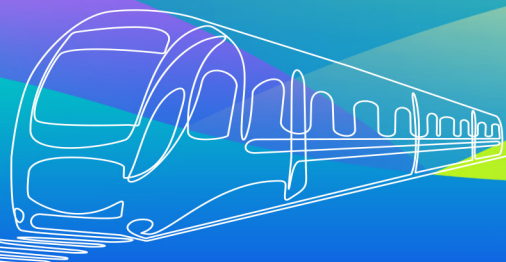
Co-organized by: Shanghai Railwell Technologies Co., Ltd.

Kattgatt, Inc.

Organized by: Beijing Jiaotong University Urban Rail Alumni Association

Culture and Training Department of CAMET

China Association of Metros Media Exhibition Center



论坛议程 / FORUM AGENDA

主持人	李元胜 中国城市轨道交通协会副秘书长、新闻发言人 协会东盟合作委员会副主任兼秘书长 北京交大城轨校友会副会长兼秘书长
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老师寄语

时 间	发言主题	发言嘉宾	单位及职务
18:00-18:05	协会领导讲话	宋敏华	中国城市轨道交通协会副会长兼秘书长 (北京交大客座教授)
18:05-18:10	校友总会领导致辞	郭雪萌	交大校友总会秘书长 北京交通大学对外联络合作处处长 (北京交大二级教授)

Unit 1 人工智能实践：应用至上

18:10-18:30	人工智能与低空领域融合应用的探索与实践	邵春海	中国城市轨道交通协会副会长 北京交大城轨校友会会长 交控科技股份有限公司董事长 (北京交大校友)
18:30-18:50	基于人工智能的智慧城轨解决方案实践与探索	赵宏宇	青岛城市轨道交通科技有限公司董事长 (北京交大校友)
18:50-19:10	从人工到智能，转型零阻力	廖翌棋	北京卡特加特人工智能科技有限公司董事长 (特约校友)

第三届交大校友沙龙

——校友企业家、专家畅谈“创新破局”

3RD JIAOTONG UNIVERSITY ALUMNI SALON

- A DIALOGUE ON INNOVATION AND BREAKTHROUGH WITH ALUMNI ENTREPRENEURS AND EXPERTS

论坛议程 / FORUM AGENDA

时 间	发言主题	发言嘉宾	单位及职务
Unit 2 绿智城轨：创新无止境			
19:10-19:30	车站机电综合 & 智能维保系统解决方案创新实践	陆雪忠	上海电气自动化集团有限公司副总裁 (西安交大校友)
19:30-19:50	城轨交通既有有线改造的探索实践与思考	谢莎婷	北京地铁技术创新研究院副院长 (北京交大校友)
19:50-20:10	地铁轨道结构全生命周期智慧运维	黄俊飞	上海睿而维科技有限公司董事长 华东交通大学轨道交通基础设施性能监测 与保障国家重点实验室副主任 (上海交大校友)
20:10-20:30	城市轨道客货混运安全与效率提升技术创新探索与实践	陈楠	北京市基础设施投资有限公司 科技创新部一级经理 (西南交大校友)
20:30-20:50	基于全生命周期智慧管理平台的站台门无感改造	史和平	上海嘉成轨道交通安全保障系统股份公司 董事长 (北京交大校友)
Unit 3 城轨国际化：走出去，能破局			
20:50-21:10	中国城轨走出去实践与可持续发展	谷素斐	中航国际埃及分公司维保执行经理 (北京交大校友)
21:10-21:30	机遇与挑战： 东南亚国家轨道交通领域的国际合作分享	张纯	北京交通大学建筑与艺术学院城乡规划系 副主任，《Urban Rail Transit》执行主编 (北京交大校友)

第三届交大校友沙龙

——校友企业家、专家畅谈“创新破局”

3RD JIAOTONG UNIVERSITY ALUMNI SALON

- A DIALOGUE ON INNOVATION AND BREAKTHROUGH WITH ALUMNI ENTREPRENEURS AND EXPERTS

论坛议程 / FORUM AGENDA

Moderator	Li Yuansheng (Deputy Secretary-General & Spokesperson, CAMET; Deputy Director & Secretary-General, CAMET ASEAN Cooperation Committee; Vice President & Secretary-General, Beijing Jiaotong University Urban Rail Alumni Association)
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MESSAGES FROM MENTORS

TIME	TOPIC	SPEAKERS	AFFILIATION AND TITLE
18:00-18:05	Speech by the Association's leadership	Song Minhua	China Association of Metros Presented by the Vice President & Secretary-General (Visiting Professor, Beijing Jiaotong University)
18:05-18:10	Address by the Alumni Association's leadership	Guo Xuemeng	Presented by the Secretary-General, Jiaotong University Alumni Association & Director, Office of External Liaison and Cooperation, Beijing Jiaotong University (Professor, Beijing Jiaotong University)

UNIT 1: AI IN PRACTICE: APPLICATION FIRST

18:10-18:30	Integrating AI with the Low-Altitude Sector: An Exploration	Gao Chunhai	Vice President of China Association of Metros, President of Beijing Jiaotong University Rail Transit Alumni Association & Chairman of TCT Co., Ltd. (A Beijing Jiaotong University Alumna)
18:30-18:50	Applying AI-Based Solutions for Smart Urban Rail	Zhao Hongyu	Chairman, Kattgatt, Inc. (Specially Invited Alumna)
18:50-19:10	From Manual to Intelligent: A Seamless Transformation	Liao Yiqi	Director, Technology Department, Guangzhou Metro Design & Research Institute

第三届交大校友沙龙

——校友企业家、专家畅谈“创新破局”

3RD JIAOTONG UNIVERSITY ALUMNI SALON

- A DIALOGUE ON INNOVATION AND BREAKTHROUGH WITH ALUMNI ENTREPRENEURS AND EXPERTS

论坛议程 / FORUM AGENDA

UNIT 2: GREEN & SMART URBAN RAIL: INNOVATION WITHOUT LIMITS

TIME	TOPIC	SPEAKERS	AFFILIATION AND TITLE
19:10-19:30	Innovating Integrated & Intelligent M&E Maintenance Solutions for Stations	Lu Xuezhong	Vice President, Shanghai Electric Automation Group Co., Ltd. (A Xi'an Jiaotong University Alumnus)
19:30-19:50	Transforming Existing Urban Rail Lines: Practices and Reflections	Xie Sating	Deputy Dean, Beijing Subway Technology Innovation Research Institute (A Beijing Jiaotong University Alumna)
19:50-20:10	Smart, Full Life-Cycle O&M for Metro Track Structures	Huang Junfei	Chairman, Shanghai Real-V Technology Co., (A Shanghai Jiao Tong University Alumnus)
20:10-20:30	Enhancing Safety & Efficiency in Mixed Passenger-Freight Urban Rail	Chen Nan	Senior Manager, Technology Innovation Dept., Beijing Infrastructure Investment Co., Ltd. (A Southwest Jiaotong University Alumnus)
20:30-20:50	Seamless Platform Screen Door Upgrades via a Smart, Full Life-Cycle Management Platform	Shi Heping	Chairman, Shanghai Jiacheng Rail Transit Safety Guarantee System Co., Ltd. (A Beijing Jiaotong University Alumna)

UNIT 3: GLOBALIZING URBAN RAIL: A BREAKTHROUGH STRATEGY

20:50-21:10	China's "Going Global" Strategy for Urban Rail: Practices in Sustainable Development	Gu Sufei	Maintenance Executive Manager, AVIC International Egypt Branch (A Beijing Jiaotong University Alumna)
21:10-21:30	Opportunities & Challenges in Southeast Asia's Rail Sector: An International Cooperation Perspective	Zhang Chun	Deputy Director, Dept. of Urban and Rural Planning, Beijing Jiaotong University; Executive Editor-in-Chief, Urban Rail Transit (A Beijing Jiaotong University Alumna)

第三届交大校友沙龙

——校友企业家、专家畅谈“创新破局”

3RD JIAOTONG UNIVERSITY ALUMNI SALON

- A DIALOGUE ON INNOVATION AND BREAKTHROUGH WITH ALUMNI ENTREPRENEURS AND EXPERTS

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



李元胜 / Li Yuansheng

中国城市轨道交通协会副秘书长、新闻发言人

协会东盟合作委员会副主任兼秘书长

Deputy Secretary-General, CAMET

Deputy Director & Secretary-General, CAMET ASEAN Cooperation Committee

李元胜, 中国城市轨道交通协会副秘书长、新闻发言人、协会东盟合作委员会副主任兼秘书长, 《城市轨道交通》杂志社社长, 《人民城轨》出版人, 北京中城轨文化传播有限公司董事长, 北京中城轨会展有限公司董事长, 北京交大城轨校友会副会长兼秘书长。北京交通大学 EMBA, 北京航空航天大学工学博士。

Li Yuansheng Deputy Secretary-General & Spokesperson of CAMET; Deputy Director & Secretary-General of the CAMET ASEAN Cooperation Committee; President of Urban Rail Transit magazine; Publisher of People's Urban Rail; Chairman of Beijing Sino Urban Railway Culture Media Co., Ltd.; Chairman of Beijing MetroTrans Exhibition Co., Ltd.; and Vice President & Secretary-General of the Beijing Jiaotong University Urban Rail Alumni Association. He holds an EMBA from Beijing Jiaotong University and a Doctor of Engineering from Beihang University.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



宋敏华 / Song Minhua

中国城市轨道交通协会副会长北京交通大学兼职教授博士生导师

*Vice President and Secretary-General of China Association of Metros
part-time professor and doctoral supervisor of Beijing Jiaotong University and Tongji University*

宋敏华，教授级高工，北京交通大学兼职教授、博士生导师，同济大学兼职教授。从事我国城轨交通规划、设计、管理工作 36 年。

1983.7-1987.12 上海市隧道设计研究院 1987.12-1999.2 北京城建设计研究院历任北京城建勘测设计研究院 院长历任北京城建勘测设计研究院 院长北京城建设计研究总院 院长 2011.10 至今 中国城市轨道交通协会 副会长兼秘书长

Song Minhua A Professor-level Senior Engineer, he serves as an adjunct professor and doctoral supervisor at Beijing Jiaotong University, and an adjunct professor at Tongji University. He has been engaged in the planning, design, and management of China's urban rail transit for 36 years. 1983.7-1987.12: Shanghai Tunnel Engineering & Rail Transit Design and Research Institute 1987.12-1999.2: Beijing Urban Engineering Design & Research Institute Formerly served as President of Beijing Urban Construction Exploration & Design Research Institute. Formerly served as President of Beijing Urban Construction Design & Research General Institute. Formerly served as Deputy Chief Engineer of Beijing Urban Construction Group. October 2011 - Present: Vice President and Secretary-General, China Association of Metros (CAMET).

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



郭雪萌 / Guo Xuemeng

交大校友总会秘书长北京交通大学对外联络合作处处长（北京交大二级教授）

Presented by the Secretary-General, Jiaotong University Alumni Association

Director, Office of External Liaison and Cooperation, Beijing Jiaotong University (Professor, Beijing Jiaotong University)

郭雪萌，北京交通大学经济管理学院会计系教授、博导，学校对外联络合作处处长、TOD 研究院副院长。聚焦国家经济建设重大需求，紧密围绕交通运输领域，潜心于基础设施投融资、会计理论与方法等领域的学术研究，发表高水平论文 80 余篇，主持国家自然科学基金、国家发改委、世界银行等重大管理类课题 70 余项，出版 14 本教材与专著译著。坚持一线教学 31 年，主讲课程获批国家级一流本科课程、教育部全国首批一百门示范课、北京市课程思政示范课。荣获国家级教学成果一等奖、北京市教学成果一等奖、霍英东教育教学奖、宝钢优秀教师奖、北京市教学名师等。连续受聘为教育部高等学校会计专业教指委委员，在铁路及轨道交通领域专家学术组织中任职，在专业领域具有广泛影响和认可。

Guo Xuemeng, Professor and Ph.D. Supervisor in the Department of Accounting at School of Economics and Management, Beijing Jiaotong University, director of the Office of External Liaison and Cooperation & Vice Dean of the TOD Research Institute. Focused on the major needs of national economic construction, deeply involved in academic research in areas such as infrastructure financing, accounting theory and methods, with over 80 high-level published papers. Has led more than 70 major management projects funded by the National Natural Science Foundation, the National Development and Reform Commission, and the World Bank. Has published 14 textbooks and translated works. Has been teaching for 31 years and has been recognized as a national-level first-class undergraduate course, one of the first 100 demonstration courses approved by the Ministry of Education, and a model course for ideological and political education in Beijing. Has received the National Teaching Achievement Award, Beijing Municipal Teaching Achievement Award, Huo Yingdong Education and Teaching Award, Baosteel Excellent Teacher Award, and Beijing Municipal Teaching Master Award. Continuously appointed as a member of the Higher Education Accounting Professional Teaching Steering Committee of the Ministry of Education. Holds positions in expert academic organizations in the railway and rail transit fields and has wide-ranging influence and recognition in the professional field.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



郜春海 / Gao Chunhai

交控科技股份有限公司 / 轨道交通运行控制系统国家工程研究中心董事长 / 理事长
TCT/OTOC Chairman of the Board/Director-General

郜春海，正高级工程师，交控科技股份有限公司（股票代码：688015）董事长，中国城市轨道交通协会副会长，中国上市公司协会副会长，轨道交通运行控制系统国家工程研究中心理事长。我国全自动无人驾驶技术的提出者和践行者，我国互联互通研究和示范的技术总牵头人，新一代智慧城轨的先行者。1993年至今，一直从事轨道交通列车运行控制系统的科学研究与产业化工作，带领团队解决制约我国该领域几十年“卡脖子”问题，实现了中国轨道交通信号系统从“无”到“有”，再到逐步世界领先的华丽蜕变！荣获国家科技进步二等奖、北京市科学技术一等奖等多项科技奖项，被评选为国家级百千万人才、“万人计划”科技领军人才、全国劳动模范等，荣膺“中国地铁 50 年致敬人物”，享受国务院政府特殊津贴。

Gao Chunhai, Senior Engineer, Chairman of Traffic Control Technology Co., Ltd. (stock code: 688015), Vice President of China Association of Metros, Vice President of China Association for Public Companies & Chairman of the National Engineering Research Center for Rail Transit Operation Control System. The initiator and practitioner of China's fully automatic unmanned driving technology, the overall leader of research and demonstration on interconnection and intercommunication, and a pioneer of the new generation of intelligent urban rail. Since 1993, he has been engaged in scientific research and industrialization of train operation control systems for urban rail transit. Leading a team, he has solved the "bottleneck" problem that has constrained this field in China for decades, achieving a magnificent transformation from "no" to "existing" and gradually leading the world in China's rail transit signaling system! He has been awarded the National Science and Technology Progress Award (Second Class), Beijing Science and Technology Award (First Class), and other science and technology awards. He has been selected as a national-level talent and a leading figure in the "Ten Thousand Talents Program" for science and technology. He has been honored as a national model worker and recognized as one of the "50-year Tribute Figures in China's Subway". He enjoys a special government allowance from the State Council.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



赵宏宇 /Denw

青岛地铁运营有限公司总工程师

青岛青铁教育咨询服务有限公司董事长青岛东湖绿色节能研究院有限公司董事长

Qingdao Metro Operation Co., Ltd. Chief

Qingdao Qingtie Education Consulting Service Co., Ltd. Engineer

Qingdao Donghu Green Energy Conservation Research Institute Co., Ltd. man/Chairman

赵宏宇，硕士学位，高级工程师。从事轨道交通行业至今近 19 年，现任青岛地铁运营有限公司总工程师、青岛青铁教育咨询服务有限公司董事长、青岛东湖绿色节能研究院有限公司董事长。在核心期刊发表多篇论文；参与《地铁轨道动态检测数据管理分析系统及其方法》等多项专利研发；参与的多项科研项目先后荣获山东省交通工程创新创业大赛二等奖及青岛市智慧城市百佳典型案例等奖项；2022 年获聘交通运输部科学研究院“城市轨道交通运营专家库”专家。

Zhao Hongyu, master's degree, senior engineer. He has been engaged in the rail transit industry for nearly 19 years. He currently serves as the chief engineer of Qingdao Metro Operation Co., Ltd., the chairman of Qingdao Qingtie Education Consulting Service Co., Ltd. and the chairman of Qingdao Donghu Green Energy Conservation Research Institute Co., Ltd. He has published many papers in core journals and participated in the development of many patents, such as "Dynamic Detection Data Management and Analysis System and Method for Metro Tracks"; He has also been involved in a number of scientific research projects, which have won awards such as the second prize of Shandong Traffic Engineering Innovation and Entrepreneurship Competition and the top 100 smart city typical cases of Qingdao. In 2022, he was appointed as an expert in the "Urban Rail Transit Operation Expert Database" by the Scientific Research Institute of the Ministry of Transport.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



廖翌棋 /Liao Yiqi

北京卡特加特人工智能科技有限公司 CEO

Kattgat, Inc. CEO

廖翌棋，北京卡特加特人工智能科技有限公司 CEO，教授级高工，浙江“绿谷精英” B 类引进人才，曾获城市轨道交通科技进步特等奖、广东省科技进步一等奖以及 20 余项授权发明专利，具有 10 年 + 人工智能领域研发与管理经验。

Liao Yiqi The CEO of Beijing Kattgat AI Technology, he is a Professor-level Senior Engineer and a talent introduced under Category B of the Zhejiang "Green Valley Elite" Program. His accolades include a Special Prize for Urban Rail Transit Science and Technology Progress and a First Prize for Guangdong Provincial Science and Technology Progress. With over a decade of experience in AI, he holds more than 20 invention patents.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



陆雪忠 / Lu Xuezhong

上海电气自动化集团有限公司副总裁

Shanghai Electric Automation Group Co., Ltd. Vice President

陆雪忠，西安交通大学机械工程系本科毕业，研究生学历，正高级工程师。上海理工大学工程硕士，复旦大学工商管理硕士（MBA），美国亚利桑那州立大学高级工商管理硕士（EMBA）、访问学者。

二十年轨道交通行业经验，专业涉及车辆、牵引、信号、综合监控、屏蔽门、轴承、中低运量数字轨道交通，以及多专业综合 & 智能维保创新模式等多个领域。陆雪忠，西安交通大学机械工程系本科毕业，研究生学历，正高级工程师。上海理工大学工程硕士，复旦大学工商管理硕士（MBA），美国亚利桑那州立大学高级工商管理硕士（EMBA）、访问学者。

二十年轨道交通行业经验，专业涉及车辆、牵引、信号、综合监控、屏蔽门、轴承、中低运量数字轨道交通，以及多专业综合 & 智能维保创新模式等多个领域。

Lu Xuezhong, a Professor-level Senior Engineer, holds a bachelor's degree in Mechanical Engineering from Xi'an Jiaotong University and a postgraduate degree. He earned a Master of Engineering from the University of Shanghai for Science and Technology, an MBA from Fudan University, and an Executive MBA from Arizona State University, where he was also a visiting scholar.

With two decades of experience in the rail transit industry, his expertise spans multiple domains, including vehicles, traction, signaling, integrated monitoring, platform screen doors, bearings, medium-to-low capacity digital rail transit, and innovative models for multi-disciplinary integrated & smart maintenance.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



谢莎婷 / Xie Shating

北京地铁技术创新研究院 副院长

Deputy Dean of Beijing Subway Technology Innovation Research Institute

谢莎婷，北京交通大学校友，先后就职于长沙地铁、湖南磁浮、北京地铁，现任北京地铁技术创新研究院副院长，主要研究方向为城轨运营管理、既有线改造、智慧地铁建设等，曾获 2023 年北京市轨道交通学会科学技术进步奖一等奖（城市轨道交通既有设施优化提升规划关键技术及应用项目）。

Xie Sating is the Deputy Dean of the Beijing Subway Technology Innovation Research Institute. An alumna of Beijing Jiaotong University, her career in the rail transit sector includes key roles at Changsha Metro, Hunan Maglev, and Beijing Subway. Her research focuses on pivotal areas such as urban rail operations management, existing line transformation, and smart metro development. In 2023, she received the First Prize of the Science and Technology Progress Award from the Beijing Rail Transit Society for her work on key technologies for the planning and optimization of existing urban rail facilities.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



黄俊飞 /Huang Junfen

上海睿而维科技有限公司董事长

华东交通大学轨道交通基础设施性能监测与保障国家重点实验室副主任（上海交大校友）

Chairman, Shanghai Real-V Technology Co., (A Shanghai Jiao Tong University Alumnus)

黄俊飞，上海睿而维科技有限公司 CEO，中共上海市委党校重点培育创业企业创始人和徐汇区创新创业先进个人、徐汇区光启人才；同济大学铁道工程专业本硕，上海交通大学 EMBA，兼任华东交通大学轨道交通基础设施性能监测与保障国家重点实验室副主任，上海工程技术大学硕士研究生校外导师。

曾就职于上海申通地铁和世界知名减振轨道公司，专注轨道交通运行安全和减振降噪研究领域超 20 年，参与了一系列重大工程项目，例如上海磁悬浮示范运营线、各城市轨道交通工程减振降噪项目、轨道结构智慧运维项目等；曾获得国家科技进步二等奖和山东省科技进步二等奖，目前正积极致力于轨道交通行业数字化、智慧化转型，具有丰富的轨道结构中修、大修、抢险及振动噪声病害治理经验，拥有发明专利和软件著作权等 40 余项。

Huang Junfei is the CEO of Shanghai Real-V Technology Co., Ltd., a company recognized by the Party School of the Shanghai Municipal Committee of the CPC as a key entrepreneurial enterprise. He is honored as an Advanced Individual in Innovation and Entrepreneurship and a “Guangqi Talent” of Xuhui District. He holds both bachelor’s and master’s degrees in Railway Engineering from Tongji University and an EMBA from Shanghai Jiao Tong University. Concurrently, he serves as the Deputy Director of the State Key Laboratory of Performance Monitoring and Protecting of Rail Transit Infrastructure at East China Jiaotong University and as an off-campus supervisor for master’s students at Shanghai University of Engineering Science.

With over 20 years of dedicated experience in rail transit operational safety, vibration, and noise reduction, he previously held key positions at Shanghai Shentong Metro and a world-renowned track vibration-damping company. He has contributed his expertise to a series of major engineering projects, including the Shanghai Maglev Demonstration Line, numerous urban rail transit vibration and noise reduction initiatives, and intelligent track O&M projects. A recipient of the Second Prize of the State Science and Technology Progress Award and the Second Prize of the Shandong Provincial Science and Technology Progress Award, he is now actively leading the digital and intelligent transformation of the rail transit industry. His extensive, hands-on experience covers track structure renewal, heavy maintenance, emergency repairs, and the mitigation of vibration and noise issues, supported by over 40 invention patents and software copyrights.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



陈楠 /Chen Nan

北京市基础设施投资有限公司科技创新部一级经理（西南交大校友）

Senior Manager, Technology Innovation Dept.,

Infrastructure Investment Co., Ltd. (A Southwest Jiaotong University Alumnus)

陈楠，北京市基础设施投资有限公司科技创新部一级经理，正高级工程师，轨道交通行业从业二十余年，从事设计咨询、科研标准等相关工作，主要编制北京轨道交通行业信息化规划、北京智慧轨道交通行动策划，主要参与“智慧城轨新一代智能列车运行系统及平台示范工程”国家级示范工程、主持北京市科委“城市轨道客货混运融合技术研究与示范应用”课题等。

Chen Nan A Level 1 Manager in the Science and Technology Innovation Department at Beijing Infrastructure Investment Co., Ltd., he is a Professor-level Senior Engineer with over two decades of experience in the rail transit industry. His career has focused on design consulting, scientific research, and standards development. He has been a primary author of Beijing's rail transit informatization plan and the action plan for smart rail transit development. He is a key participant in the national demonstration project for the "New Generation of Intelligent Train Operation Systems for Smart Urban Rail" and leads the Beijing Municipal Science and Technology Commission's project on "Research and Demonstration of Integrated Passenger and Freight Transport Technologies in Urban Rail."

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



史和平 /Shi Heping

上海嘉成轨道交通安全保障系统股份公司董事长（北京交大校友）

*Chairman, Shanghai Jiacheng Rail Transit Safety Guarantee System Co., Ltd.
(A Beijing Jiaotong University Alumna)*

史和平，上海嘉成轨道交通安全保障系统股份公司董事长，上海市政协第十四届常委，中国城市轨道交通协会常务理事，上海市科技企业联合会副会长，上海市专精特新智能制造专业委员会副会长，北京交大城轨校友会副秘书长，苏州大学轨道交通学院客座教授，上海产业领军人才，上海市东方英才，常州市龙城英才。

Shi Heping Chairman of Shanghai Jiacheng Smart Rail Transit Development Co., Ltd.; Standing Committee Member of the 14th Shanghai Municipal Committee of the CPPCC; Executive Director of CAMET; Vice President of the Shanghai Association for Science and Technology Enterprise; Vice Chairman of the Shanghai “Specialized, Fined, Unique and Innovative” Intelligent Manufacturing Committee; Deputy Secretary-General of the Beijing Jiaotong University Urban Rail Alumni Association; Visiting Professor at the School of Rail Transportation, Soochow University; and a recipient of multiple talent awards including “Shanghai Industry Leader,” “Shanghai Oriental Talent,” and “Changzhou Dragon City Talent”.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



谷素斐 /Gu Sufei

上海电中航国际埃及分公司维保执行经理（北京交大校友）

*Maintenance Executivez Maintenance Executive Manager, AVIC International Egypt Branch
(A Beijing Jiaotong University Alumna)*

谷素斐，教授级高工。本科毕业于沈阳建筑工程学院，获北京交通大学轨道交通 EMBA 学位。有 31 年一线经验，先后任深铁维保经理、技术部长、线网中心总经理、国际项目技术总监、以色列项目经理等，现任中航埃及分公司维保执行经理，具有技术与管理综合优势，曾参与多个国内外轨道交通项目投标、运维管理，获得过多项特殊贡献奖。并在轨道交通国际标准应用方面有突出优势和成功经验，为行业发展持续赋能。

Gu Sufei is a Professor-level Senior Engineer. She holds a bachelor's degree from Shenyang Institute of Architectural and Civil Engineering and an EMBA in Rail Transit from Beijing Jiaotong University. With 31 years of frontline experience, her career has included roles such as Maintenance Manager, Head of the Technology Department, and General Manager of the Network Center at Shenzhen Metro, as well as Technical Director for International Projects and Project Manager for the Israel project. She currently serves as the Maintenance Executive Manager at AVIC Egypt Branch, possessing a comprehensive advantage in both technology and management. She has participated in the bidding and O&M management for numerous domestic and international rail transit projects, earning several special contribution awards. She also has outstanding expertise and a successful track record in applying international standards for rail transit, continuously empowering the industry's development.

嘉宾简介 / BIOGRAPHY OF THE SPEAKERS



张纯 /Zhang Chun

北京交通大学建筑与艺术学院城乡规划系教授、副系主任

*Professor and vice chair in Department of Urban Planning,
School of Architecture and Design, Beijing Jiaotong University*

张纯，北京交通大学建筑与艺术学院城乡规划系教授、副系主任，中国城市规划学会理事，Urban Rail Transit 执行主编。研究兴趣集中在国土空间与交通协同发展、城市形态与可达性；负责建设面向发展中国家的城乡规划全英文硕士项目。目前学术成果包括著作《轨道交通与城市协同发展规划——理论、方法与评论》等，发表论文 80 余篇，入选中国知网 2024 年城乡规划学科 1% 高被引学者。本科毕业于北京大学城市规划与经济学双学位，硕博毕业于北京大学人文地理专业。曾经担任世界银行 TOD 特聘专家，曾经入选 2022 年城市规划学会青年人才。

Zhang Chun is Professor and vice chair in Department of Urban Planning, School of Architecture and Design, Beijing Jiaotong University. She is also the executive editor of Urban Rail Transit, Board Member of the Association of China Urban Planning. Research interests focus on synergy development between rail transportation and urban space, job-housing balance and job accessibility. She is also the coordinator of MOFCom Program of Urban Planning Master Degree for developing countries. She teaches classes including Introduction to Urban Planning, GIS and Big Data Application. She has been PI of NSF China for general and young programs, and also research program from the World Bank. Chun received her doctoral degree in human geography from Peking University, and participated a collaborative training Phd program in University of North Carolina at Chapel Hill. She had been a post-doctoral research fellow in PKU-Lincoln Institute Center for Urban Development and Land Policy. She has been awarded for Jeme Tien Yow Rail Technology Award, IACP Distinguish Award and Committee of 100 (C-100) Young Leadership Scholarship. She used to be the TOD special expert in the World Bank.



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2026 中国国际城市轨道交通展览会

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暨CAMET论坛

早鸟开启, 专享日日折

截止时间: 2025年12月31日

主办单位:



中国城市轨道交通协会
CHINA ASSOCIATION OF METROS



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