



# ***The World Computing - Power Network Conference 2025***

## **2025 世界算力网大会**

### **会议手册**



2025年8月26-27日  
中国 深圳前海

# 大会简介

## ABOUT THE CONFERENCE

2025世界算力网大会聚焦"构建全球算力共同体"愿景,重点推进以下工作:提升世界算力网联盟影响力,促进算力资源跨境流动与优化配置;展示我国算力网建设最新成果,发布算力并网、智能调度等关键技术标准;探讨算力赋能千行百业的创新应用,推动数字经济高质量发展。我们期待通过会议汇聚全球智慧,共同推动算力像水电一样成为普惠性公共基础设施,为构建人类数字命运共同体作出积极贡献。

WCNC2025 aims to promote cross regional sharing of computing power resources, foster technological collaboration, establish an open and inclusive global governance systems, and develop standards for transactions, security, and efficiency in computing power network. This event also seeks to showcase real-world applications across industries with computing power networks. We look forward to gathering global wisdom through the conference, jointly promoting computing power to become a universal public infrastructure like water and electrical power supply, and making positive contributions to building a digital community with a shared future for mankind.

### 主办单位/Host

世界算力网联盟 (WCNC)

World Computing-power Network Consortium (WCNC)

### 协办单位 /Co-organizer

广东省人工智能与机器人产业联盟

Guangdong Artificial Intelligence and Robotics Industry Alliance

### 支持单位/Supporting Organization

全球计算联盟

Global Computing Consortium (GCC)

全球云网宽带产业协会

World Broadband Association (WBBA)



大会手册  
Conference Handbook



大会官网  
Official Website

## 组织机构 | Conference Committees

## Steering Committee



Chair

Wen GAO  
Director of Peng Cheng  
Laboratory



Member

Lionel Ni  
Fellow of the Hong Kong Academy  
of Engineering (HKAЕ), the Founding  
President of HKUST(GZ)



Member

Sherman Shen  
Foreign Academician of the Chinese  
Academy of Engineering (CAE), Fellow  
of the Royal Society of Canada



Member

WANG JIAN  
President of Zhejiang Lab, Founder of  
Alibaba Cloud



Member

Depei Qian  
Academician of Chinese Academy  
of Sciences (CAS)



Member

Guanglu Shao  
Director of Science and Technology  
Committee & Former General Manager  
of China Telecom



Member

Hai Jin  
Professor, Huazhong University  
of Science and Technology

Member &  
Executive Secretary

Yutong Lu  
Professor, Sun Yat-Sen University

## Program Committee



Chair

Yutong Lu  
Professor, Sun Yat-Sen University



Vice Chair

Wenguang Chen  
Professor, Tsinghua University

## Organizing Committee



Chair

Jiankun Yang  
Assistant Director of Peng Cheng Laboratory

会议议程 | CONFERENCE  
AGENDA2025世界算力网大会开幕式及主论坛  
WCNC2025 Opening Ceremony & Main Forum

时间 time	主题 Session	
08:30-09:00	开幕式/Opening Ceremony	
主论坛/Main Forum 主持人/Host: 陈文光/Wenguang Chen		
时间 time	主题 Session	嘉宾 Speaker
09:00-09:30	National Computing Power Sovereignty and “China Computing Net” Project	 <b>Wen Gao</b> Director of Peng Cheng Laboratory
09:30-10:00	Computer Simulation and AI on HPC	 <b>Michael Resch</b> Professor of University of Stuttgart, Director of HLRS
10:00-10:30	Computing, AI and 3-Body computing constellation: endless frontiers and exploration	 <b>Jian Wang</b> President of Zhejiang Lab, Founder of Alibaba Cloud
10:30-11:00	Co-Designing Intelligent Cyberinfrastructure for Computing Continuum: Overview of the Activities at the NSF-AI Institute ICICLE	 <b>Dhabaleswar K (DK) Panda</b> Professor of the Ohio State University, USA
11:00-11:30	Pushing AI from Research to Application and Impact	 <b>Sumei Sun</b> Executive Director of I <sup>2</sup> R, A*STAR , Fellow of Academy of Engineering Singapore
11:30-12:10	Panel: Operation and Ecosystem Development of Computing-Power Network	 <b>Hai Jin</b> (Moderator) Professor, Huazhong University of Science and Technology
		 <b>Wen Gao</b> Director of Peng Cheng Laboratory
		 <b>Weimin Zheng</b> Professor, Tsinghua University
		 <b>Lionel Ni</b> Founding President of HKUST(GZ)
		 <b>Guanglu Shao</b> Director of Science and Technology Committee of China Telecom



## 算力网应用相关分论坛 Technical Tracks

### 分论坛 1: 大模型训练与推理

Track #1: Large Language Model Training and Inference  
会议地点/Venue: 7楼/7F



论坛主席/Chair  
陈文光/Wenguang Chen  
清华大学教授  
Professor, Tsinghua University

时间 time	主题 Session	嘉宾 Speaker
14:30-15:00	人工智能大模型推理架构的技术挑战 Technical Challenges in Inference Architecture for Large AI Models	 郑纬民/Weimin Zheng 清华大学教授 Professor, Tsinghua University
15:00-15:30	Co-GenAI: 一种新型融合驱动平台 Co-GenAI: A Novel Fusion-Driven Platform	 杨红霞/Hongxia Yang 香港理工大学教授 Professor, The Hong Kong Polytechnic University
15:30-16:00	构建基于图形用户界面的人工智能代理的经验与启示 Lessons learned in building an GUI-base AI agent	 钱岭/Ling Qian 中国移动云能力中心首席科学家 Chief Scientist, China Mobile Cloud Centre
16:00-16:30	大规模混合专家语言模型推理引擎优化: 经验与教训 Optimizing inference engine for large MoE language models: experience and lessons	 谭焜/Kun Tan 华为中央软件院首席专家 Chief Expert, Central Software Institute, Huawei
16:30-17:00	欺骗性对齐的内在机制与方法 Intrinsic Mechanisms and Methods of Deceptive Alignment	 杨耀东/Yaodong Yang 北京大学人工智能研究院助理教授 Assistant Professor at the Institute for AI, Peking University
17:00-17:45	<p>Panel: 大模型能力是否已经基本到顶及未来的主要挑战 Have Large Language Model Reached a Performance Plateau? Navigating the Next Frontier of AI Challenges</p> <p>主持人: 陈文光 (清华大学教授)</p> <p>嘉宾: 杨红霞 (香港理工大学教授) 钱岭 (中国移动云能力中心首席科学家) 谭焜 (华为中央软件院首席专家) 杨耀东 (北京大学人工智能研究院助理教授) 陆游游 (清华大学计算机系副教授)</p> <p>Moderator: Wenguang Chen (Professor of Tsinghua University)</p> <p>Panelists: Hongxia Yang (Professor, PolyU) Qian Ling (Chief Scientist, China Mobile Cloud Centre) Kun Tan (Chief Expert, Central Software Institute, Huawei) Yaodong Yang (Assistant Professor at the Institute for Artificial Intelligence, Peking University) Youyou Lu (Associate Professor of Tsinghua University)</p>	

## 算力网应用相关分论坛 Technical Tracks

### 分论坛 2: 算力网云际计算前沿论坛

Track #2: Computing-power Network and JointCloud Computing  
会议地点/Venue: 3楼/3F



论坛主席/Chair  
余跃/Yue Yu  
鹏城实验室研究员  
Researcher at Peng Cheng Laboratory

时间 time	主题 Session	嘉宾 Speaker
14:25-14:30	开场致辞 Opening Address	 <b>金海/Hai Jin</b> 华中科技大学教授, GCC理事长 Professor at HUST, Chairman of Global Computing Consortium
14:30-15:00	分布式调度驱动的超算互联网算力原生技术与实践 The Native Technology and Practice of Supercomputing Internet Computing Power Driven by Distributed Scheduling	 <b>特邀专家</b> Invited Expert
15:00-15:30	面向拥塞控制测试的可编程网络分析技术研究 Research on Programmable Network Analysis Techniques for Congestion Control Testing	 <b>田臣/Chen Tian</b> 南京大学教授 Professor at the School of Computer Science, Nanjing University
15:30-16:00	面向超算与智算的高性能互连可扩展性设计 High-Performance Interconnects Scalability Design for High-Performance and AI Computing	 <b>董德尊/DeZun Dong</b> 国防科技大学计算机学院研究员 Researcher at the College of Computer, NUDT
16:00-16:30	建设超算互联网 推动算力生态发展 Building a High-Performance Computing Internet to Promote the Development of the Computing Ecosystem	 <b>郭庆/Qing Guo</b> 国家高性能计算机工程技术研究 中心总工程师 Chief Engineer of the National Engineering Research Center for HPC
16:30-17:00	中国算力网上的生物计算: 现状与未来挑战 Life science computing on Chinese National Computing Network: current status and future challenges	 <b>王宇/Yu Wang</b> 鹏城实验室研究员 Professor at Peng Cheng Laboratory
17:00-17:45	<b>Panel: 智能时代的计算范式/Computing Paradigm in Artificial Intelligence Era</b> <b>主持人:</b> 余跃 (鹏城实验室研究员) <b>嘉宾:</b> 金海 (华中科技大学教授, GCC理事长) 田臣 (南京大学教授) 董德尊 (国防科技大学计算机学院研究员) 王宇 (鹏城实验室研究员) <b>Moderator:</b> Yue Yu (Researcher at Peng Cheng Laboratory) <b>Panelists:</b> Hai Jin (Professor at HUST, Chairman of GCC) Chen Tian (Professor at Nanjing University) DeZun Dong (Researcher at the College of Computer, NUDT) Yu Wang (Professor at Peng Cheng Laboratory)	

## 算力网应用相关分论坛 Technical Tracks

<b>分论坛 3: 算力网与安全前沿论坛</b> Track #3: Computing-power Network and Security 会议地点/Venue: 6楼/6F		 <b>论坛主席/Chair</b> <b>贾焰/Yan Jia</b> 国防科技大学研究员 Research Professor at NUDT
时间 time	主题 Session	嘉宾 Speaker
14:30-14:50	算力网络一体化安全的创新与实践 Innovations and Practices of Integrated Security in Computing Power Networks	 <b>李安民/Anmin Li</b> 中国电信研究院副院长 Deputy Director of the China Telecom Research Institute
14:50-15:10	面向算力网络安全的靶场发展与应用 Development and Application of Cyber Ranges for Computing Force Network Security	 <b>杜雪涛/Xuetao Du</b> 中国移动设计院网信安全产品部总经理 Director of Network Security Dept., China Mobile Group Design Institute
15:10-15:30	广域智算网络的思考与实践 Thoughts and Practices on AI Net of China Unicom	 <b>曹畅/Chang Cao</b> 中国联通研究院下一代互联网研究部总监 Director of Next-Generation Internet Research at China Unicom Research Institute
15:30-15:50	算力网络内生安全架构及关键技术 Endogenous Security Architecture and Key Technologies for Computing Power Networks	 <b>王继刚/Jigang Wang</b> 中兴通讯股份有限公司副总裁 Vice President, ZTE Corporation
15:50-16:00	休息/Coffee Break	
16:00-16:20	算网安全的第三范式思考 Reflections on the Third Paradigm of Computing-Power Network Security	 <b>潘柱廷/Zhuting Pan</b> 启明星辰集团首席战略官 Chief Strategy Officer of Venusense Group
16:20-16:40	算力互联网的发展和趋势 The Development and Security Trends of the Computing Power Internet	 <b>魏亮/Liang Wei</b> 中国信息通信研究院副院长 Deputy Director of the CAICT
16:40-17:00	AI-Native安全, 护航算力网长治久安 AI-Native Security: Safeguarding Long-Term Stability and Resilience of Computing Power Networks	 <b>杨松/Song Yang</b> 深圳华为云计算技术有限公司云安全CTO Chief Technology Officer at Security Cloud, Huawei Cloud
17:00-17:45	<b>Panel: 算力网络一体化安全问题探讨/Discussion on the Integrated Security Issues of Computing Power Networks</b> 主持人: 郑志彬 (软极网络技术(北京)有限公司CEO) 嘉宾: 董振江 (南京邮电大学信息智能与安全研究所所长) 孟楠 (中国信息通信研究院安全所副所长) 桑梓勤 (中国信息通信科技集团光通信技术和网络国家重点实验室智慧城市研究室主任) 张峰 (中国移动集团级首席专家) Moderator: Zhibin Zheng (CEO of Rangesoft Network (Beijing) Technology Co., Ltd.) Panelists: Zhenjiang Dong (Director of Institute of Information Intelligence and Security, NJUPT) Nan Meng (Deputy Director of the Security Research Institute at the CAICT) Ziqin Sang (Director of State Key Laboratory of Optical Communication Technology and Network, CICT) Feng Zhang (Group-Level Chief Expert of China Mobile)	

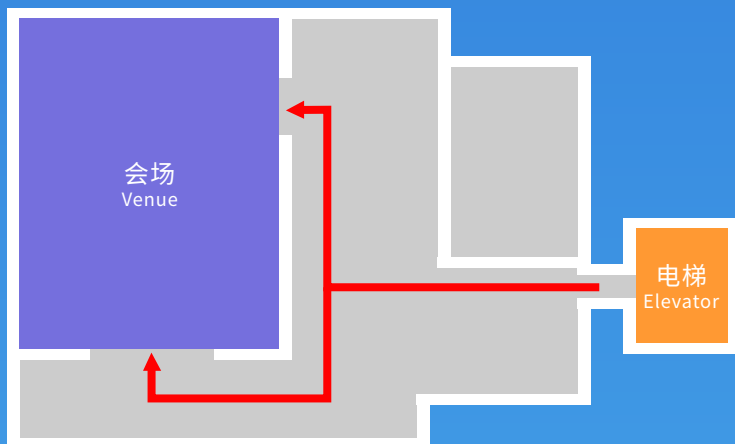






# 会场指引

## Venue Guide Map



### 7楼/7F

08:30-12:10

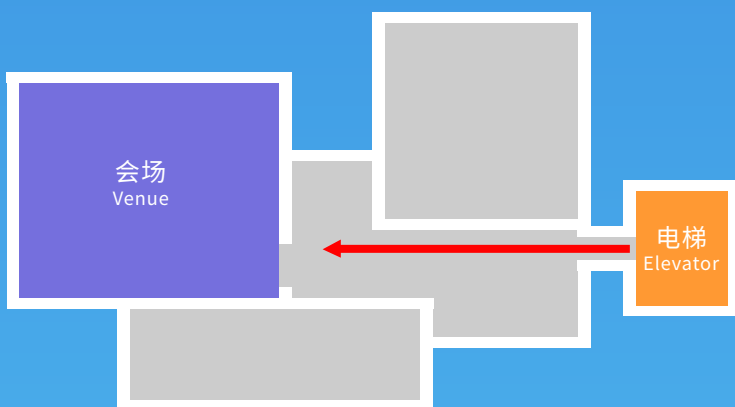
开幕式与主论坛

Opening Plenary & Main Forum

14:30-17:45

分论坛1:大模型训练与推理

Track #1: Large Language Model  
Training and Inference

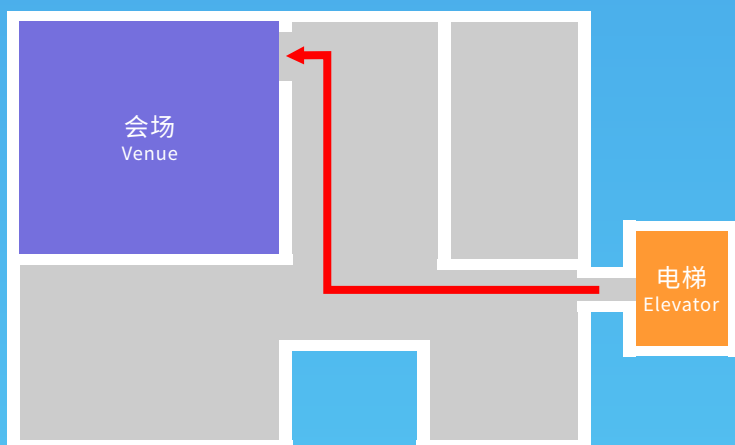


### 6楼/6F

14:30-17:45

分论坛3:算力网与安全前沿论坛

Track #3: Computing-power  
Network and Security



### 3楼/3F

14:30-17:45

分论坛2:算力网云际计算前沿论坛

Track #2: Computing-power  
Network and JointCloud  
Computing