

第 29 届智能交通世界大会 筹 备 办 公 室

关于征集第 29 届智能交通世界大会论文和 特别兴趣会议的通知

智能交通世界大会（ITS World Congress）是由智能交通国际组织和产业界发起的世界性大会，也是智能交通领域最具影响力的综合性国际会议。根据国务院的批复，第 29 届智能交通世界大会于 2023 年 10 月 16 日至 20 日在苏州举办，由交通运输部、江苏省人民政府指导，苏州市人民政府、江苏省交通运输厅、交通运输部公路科学研究院主办，亚太智能交通协会、美洲智能交通协会、欧洲智能交通协会联合主办，苏州市交通运输局、苏州工业园区管理委员会、中国智能交通产业联盟协办。

第 29 届智能交通世界大会筹备办公室现面向行业内外发起论文

征集和特别会议申请邀请，广泛征集论文和特别兴趣会议。优秀论文将收录 EI 检索和核心期刊。特别兴趣会议申请经评审通过后，将有机会在世界大会期间组织会议和发言。欢迎行业内积极踊跃投稿和提交申请，有关征集详情如下：

一、征集时间

论文初稿和特别会议申请提交截止日期：2023 年 3 月 15 日

论文终稿提交日期：2023 年 7 月 1 日

二、投稿网址及征集要求

世界大会官网：<https://www.itsworldcongress2023.com>

世界大会论文及特别会议征集要求和投稿链接：

<https://www.itsworldcongress2023.com/pc/page/22c16642-ecc7-4af7-ab30-ee19b8b4db22>

三、论文议题

论文议题及子议题(附件)

四、联系人及联系方式

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附件：论文议题和子议题

第 29 届智能交通世界大会筹备办公室

2023 年 2 月 10 日



附 件

Topics and Sub-topics

1. Sustainable and Transformational Development of Transport

- Climate Goals and Action Plans in Transport (And Others, Like Green Deal)
- Mode Shift Strategies for Transit
- Mobility as a Service (MaaS)
- Shared Mobility
- Energy, Noise and Environmental Impacts
- Electromobility and EV Charging Infrastructure
- Mobility for Ageing Population

2. Cooperative and Automated Mobility

- Next Generation Human Machine Interface and Human Factors
- High Precision Maps and Positioning Technologies for Automated Vehicles
- Sensors and Perception Methods for Automated Vehicles
- New Advances in V2V, V2I and V2X Technology
- V2X Communication Technologies and Cooperative Systems
- Simulation and Modelling
- Pilots, Trials and Tests of Intelligent and Autonomous Vehicles
- Autonomous Public Transport
- Robotaxi
- Platooning
- Impact, Cost-benefit and Risk Assessment for Self-driving and Automated Vehicles
- Cybersecurity and Resilience in Automated Transport Systems
- Remote Updating and Self-diagnosis of Intelligent Vehicles

3. Intelligent and Digital Transport Infrastructure

- New Type Detectors and Sensors
- Data Collection and Fusion Technologies
- Next Generation Digital Map and Location System
- Next Generation Traffic Management
- IoT in Transport
- ITS Infrastructure for Automated Vehicles
- Transport Infrastructure Predictive Maintenance
- Intelligent Emergency and Incident Management
- ITS Technology for Traffic Safety

4. Integrated Transport Systems

- Railway and Waterway Transport Applications and 5G Solution
- ITS for Sea and Air Transport
- Multimodal Travel Information and Planning Services
- Multimodal Journey Planner
- Intelligent Supply Chain and Logistics
- Intelligent Logistics Platforms
- Smart and Green Vehicle Routing
- Car Sharing, Bicycle Sharing and Ride Sharing
- Last-mile Delivery
- ITS for Rural Transport
- ITS in Airport Ground Operations

5. Advanced Technology for Improved Services

- Transforming Vehicles and Transport Systems with 5G
- Cloud Computing, Edge Computing, Artificial Intelligence, Digital Twins, Blockchain in Transportation
- Low Earth Orbit Satellite Networks
- Next Generation Communication and Internet
- Availability, Quality and Visualization of Data
- Crowdsourcing and Big Data Analytics
- New Business Models
- New ITS Services for Walking and Cycling
- Roadway Weather Systems

6. Smart Cities and Future Transport

- Real-time Information, Intelligent Traffic Management
- Predictive Network Management, Influencing Traveler Behavior, Citizens Engagement and Co-creation, etc.
- Smart Parking
- Data Analytics for Traffic Monitoring and Management
- Future Rail Experience
- Future Metropolitan Transport
- Disruptive Innovations in Digital Transport

7. Pricing and Travel Demand Management

- Road Pricing
- E-payment and Expressway Management
- Innovative Use of ETC Infrastructure for Other Applications
- Integrated Transit Ticketing and Payment
- Technologies for Travel Demand Management

- Managing Demand on Public Transport
- Tolling, Fare Payment and User Charging

8. Policy, Standards and Harmonization

- Intelligent Transport Policy and Strategy
- Policy and Regulation for Connected and Autonomous Vehicles
- Cybersecurity and Data Security for Transport
- Data Privacy Protection
- ITS Technology for Enforcement
- Standardization and Architecture
- International Standardization and Harmonization
- Field Operational Tests and Demonstrations
- Education and Training
- Performance Management