callforpaper.org

Japan August 7, 2025

CONFERENCE WEBSITE: https://grc.webs.upv.es/events/VENITS/2025/

About the Conference

Scope:
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Over the years, we have witnessed the merging of wireless communications and transportation technologies. This excellent combination of two important fields has propelled our capabilities even further, allowing us to communicate anytime and anywhere, thereby improving the traffic safety, reducing the travel costs, and increasing our life quality tremendously.
Once the new Intelligent Transportation Systems are deployed, our roads and highways will be able to provide enhanced services to users through the combination of V2X and cellular communications, thus completely revolutionizing when and how we communicate, commute, and navigate, in the coming future.
In addition, all types of autonomous vehicles, including aerial, terrestrial and maritime drones, can also support ITS systems and processes to achieve unprecedented performance, safety and services.
Under such conditions, several issues remain open in the field on vehicular networking, including

Important Dates

AUG 07

CONFERENCE DATE
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message dissemination in congested environments, Quality of Service (QoS), efficient and adaptive routing, MAC layer enhancements, mobility prediction, efficient handovers, and also in Intelligent Transportation Systems, such as efficient road traffic managing, optimal emergency services operation, integration with autonomous vehicles, etc.
This workshop is soliciting original technical papers addressing the main research challenges in the vehicular networking and the intelligent transportation systems area.

Topics of interest include, but are not limited to, the following scope:

- Wireless Vehicular Networking and Communications

Wireless Vehicular Networking (aerial, terrestrial and maritime vehicles)
DSRC/WAVE Communications, DSRC Alternatives, and Supporting Technologies
5G/6G technologies for vehicular environments
UAV support for ground vehicle communications and services
AI-Enhanced V2X Communication Protocols
Communications for Safety of Vulnerable Road Users
Communications for Automated Driving
Content distribution in wireless vehicular environments

- AI-Enhanced Traffic Management and Optimization

AI-Enhanced Traffic Prediction, Management, and Optimization
Statistical Analysis, Prediction, and Management of Vehicular Mobility

- Autonomous Vehicle Intelligence and Systems

Autonomous Vehicle Intelligence
AI in Vehicle Maintenance and Diagnostics
AI-Driven Cybersecurity in Vehicular Networks
Integration with aerial, terrestrial and maritime autonomous vehicles
Security and Trust Issues in Vehicular Environments
Explainable and Trustworthy AI in Vehicular Systems

- Network Control and Management

Congestion and Admission Control in Dense Vehicular Networks
Network Protocols and Algorithms, Including Clustering and Routing
Cross-Layer Protocol Design

- Integration and Edge Computing Solutions

Smartphone/Vehicle Integration
Service-Oriented Architectures, Service Portability, P2P
AI for Real-Time Data Processing and Edge Computing
Edge Solutions for Intelligent Transportation Systems (ITS)

- Cooperative Sensing and Human-Machine

Interfaces

Cooperative Sensing of Road Conditions
Intelligent Human-Machine Interfaces (HMI)

- Computational Models and Simulation Tools

Network and System Architectures for Mobile Vehicular Computing
Models, Simulators, and Tools for Vehicular Environments
AI-Integrated Simulation and Modeling Tools for Vehicular Environments

- Computer Vision and Multimedia in Vehicular Scenarios

Computer Vision Applications in Vehicular Environments
Multimedia Communications in Vehicular Scenarios

- Data Privacy and Ethical Considerations

Data Privacy and Ethical Considerations in AI-Powered Vehicular Systems

- AI for User Experience and Sustainable Transportation

AI for Enhanced User Experience and Personalization
AI in Sustainable and Green Transportation
Multi-Agent AI Systems in Vehicular Networks

Papers Submission:
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The workshop accepts novel and previously unpublished papers. Submitted manuscripts must be formatted in standard IEEE camera-ready format (double-column, 10-pt font) and must be submitted via EasyChair (https://easychair.org/conferences/?conf=icccn2025) as PDF files (formatted for 8.5x11-inch paper).

The manuscripts should be no longer than 6 pages. Submitted papers cannot have been previously published in or be under consideration for publication in another journal or conference. The workshop Program Committee reserves the right to not review papers that either exceed the length specification or have been submitted or published elsewhere. Submissions must include a title, abstract, keywords, author(s) and affiliation(s) with postal and e-mail address(es).

Submission link:
https://easychair.org/conferences/?conf=icccn2025

See ICCCN 2025 conference website for more details: http://icccn.org/ICCCN25/

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For more information see:
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