

| About the Conference

Please consider to contribute to and/or forward to the appropriate groups the following opportunity to submit and publish original scientific results to:

- VEHICULAR ANALYTICS 2025, The Second International Conference on Vehicular Systems

VEHICULAR ANALYTICS 2025 is scheduled to be October 26 - 30, 2025 in Barcelona, Spain under the TechWorld 2025 umbrella.

The submission deadline is July 8, 2025.

Authors of selected papers will be invited to submit extended article versions to one of the IARIA Journals:
<https://www.iaiajournals.org>

All events will be held in a hybrid mode: on site, online, prerecorded videos, voiced presentation slides, pdf slides.


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===== VEHICULAR ANALYTICS 2025 | Call for Papers =====

CALL FOR PAPERS, TUTORIALS, PANELS

VEHICULAR ANALYTICS 2025, The Second International Conference on Vehicular Systems

General page:

 **Important Dates**

 **CONFERENCE DATE**
October 26-30, 2025

<https://www.iaria.org/conferences2025/VEHICULARANALYTICS25.html>

Submission page:

<https://www.iaria.org/conferences2025/SubmitVEHICULARANALYTICS25.html>

Event schedule: October 26 - 30, 2025

Contributions:

- regular papers [in the proceedings, digital library]
- short papers (work in progress) [in the proceedings, digital library]
- ideas: two pages [in the proceedings, digital library]
- extended abstracts: two pages [in the proceedings, digital library]
- posters: two pages [in the proceedings, digital library]
- posters: slide only [slide-deck posted at www.iaria.org]
- presentations: slide only [slide-deck posted at www.iaria.org]
- demos: two pages [posted at www.iaria.org]

Submission deadline: July 8, 2025

Extended versions of selected papers will be published in IARIA Journals: <https://www.iariajournals.org>

Print proceedings will be available via Curran Associates, Inc.:
<https://www.proceedings.com/9769.html>

Articles will be archived in the free access ThinkMind Digital Library: <https://www.thinkmind.org>

The topics suggested by the conference can be discussed in term of concepts, state of the art, research, standards, implementations, running experiments, applications, and industrial case studies. Authors are invited to submit complete unpublished papers, which are not under review in any other conference or journal in the following, but not limited to, topic areas.

All tracks are open to both research and industry contributions. Before submission, please check and comply with the editorial rules: <https://www.iaria.org/editorialrules.html>

VEHICULAR ANALYTICS 2025 Topics (for topics and submission details: see CfP on the site)

Call for Papers:

<https://www.iaria.org/conferences2025/CfPVEHICULARANALYTICS25.html>

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VEHICULAR ANALYTICS 2025 Tracks (topics and submission details: see CfP on the site)

Hybrid (manned/unmanned) vehicular systems

- Manned and unmanned vehicular traffic coordination
- Artificial intelligence and data analytics in hybrid transportation
- Aeronautical hybrid vehicles
- Terrestrial/Sea hybrid transportation
- Underwater hybrid transportation
- Traffic control/coordination systems
- Traffic information collection and dissemination
- Integration of manned/unmanned transportation systems

- Safety in transportation systems
- Analytical and simulation techniques
- Experimental systems and field operational testing
- Recent standardization efforts and challenges

Manned/Unmanned traffic communication systems

- Vehicle-to-Vehicle (V2V) communication (including 5G/6G)
- Vehicle-to-Infrastructure (V2I), Vehicle-to-Grid (V2G) communications
- Embedded (GPS) vs Tethered connections via smartphones
- V2X communications and Internet of Vehicles (IoV) standards
- Intra-vehicle communications (mini-Datacenters and car internal sensors)
- Vehicle-to-Internet communications
- Cloud/Edge/Fog computing-based coordination
- Car mini-Datacenter updated via car sensors (car-Internet of Things - IoT)
- Cloud-based vehicular transportation systems
- Sensor-based traffic coordinating systems
- Cloudlets-based technology for mobile devices
- Human-Artificial Intelligence (AI) coordination systems via V2P
- Vehicle-to-Pedestrian (V2P) communication via Cellular Vehicle to Everything (V-V2X)

Manned/Unmanned vehicle communication quality

- Connected services and mobility coordination
- Adaptive video-streaming dissemination
- Wireless sensing communication
- Secure information transfer in V2V communication
- Streaming content from a vehicular cloud
- Security and data protection
- Trust within Internet-of-Vehicles (IoV)

Advanced assistance for Manned/Unmanned Vehicles

- A priori map data
- Multi-lane vehicular traffic models
- Traffic signs-based fog density models
- Social interaction and signaling
- Collision avoidance systems
- Congestion and awareness control
- Driving in crowded scenes
- Traffic signal adaptive routing
- Prevent/Predict red-light running violations
- Long-term trajectory predictions
- Speed harmonization
- Delay estimation

Manned/Unmanned ground vehicle coordination

- Free space detection
- Autonomous vehicle in urban environments
- Roadside sensors
- Automated vehicle operation
- Manned/unmanned vehicular regulations
- Optimized trajectory

Manned/Unmanned driving considerations

- Advanced vehicle safety systems
- Driving assistance systems
- Sensing, vision, and perception
- Driving reactions and predictions
- Driving tracking systems
- Visual warnings and accident prevention
- Head-up display
- Motion planning
- Navigation tracking
- Detection/avoidance of urban traffic hotspots

Human factors in urban traffic

- Rear-view pedestrian detection

- Pedestrian walking activity recognition and prediction
- Pedestrian and bicyclists safety
- Evacuation dynamics
- Sparse and noisy smartphone location data
- Carpooling
- Bottlenecks in massive crowd flow networks

Mobility and vehicular traffic models

- Driving and urban planning
- Mini-drones and taxi-drones
- Coordination of terrestrial vehicles and drones
- Carsharing and charging stations
- Real-time learning for incident prediction
- Heavy-duty commercial vehicles
- Freeway traffic management

Energy and sustainability

- Pollution models
- Energy-efficient vehicular systems
- Common energy supply stations for manned/unmanned vehicles
- Energy management for plug-in hybrid electric vehicles
- Green vehicular communication

VEHICULAR ANALYTICS 2025 Committee:

<https://www.iaria.org/conferences2025/ComVEHICULARANALYTICS25.html>

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 **TOPICS OF INTEREST**

4 topics

Research papers are invited in, but not limited to, the following areas:

Energy & Power
Systems

Communication &
Media

Transportation &
Logistics

Environmental Science &
Sustainability