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IEEE International Conference on Vehicular Electronics and Safety
Universidad Privada del Valle UNIVALLE, Cochabamba, Bolivia
9-11 November 2026

https://ieee-icves.org/2026/

IEEE
ICVES 2026

Advancing Safe, Inclusive and Sustainable Mobility in Emerging Road Ecosystems

IEEE International Conference on Vehicular Electronics and Safety (ICVES) 2026 is coming to the heart of South America—Cochabamba, Bolivia. This edition marks an important milestone as the conference brings its focus to the unique challenges and opportunities of vehicular systems in developing regions. Surrounded by the Andes and rich in history, Cochabamba provides an inspiring setting to discuss cutting-edge research and practical innovations in vehicular electronics and road safety. ICVES 2025 continues its tradition as an annual flagship forum sponsored by the IEEE Intelligent Transportation Systems Society (ITSS), uniting researchers, engineers, practitioners, and policy-makers from across the globe. This year's theme is "Advancing Safe, Inclusive and Sustainable Mobility in Emerging Road Ecosystems", emphasizing the intersection of sensing, computing, connectivity, and intelligent systems with the real-world constraints of heterogeneous and often under-regulated traffic environments. By bringing ICVES to Bolivia for the first time, this conference aims to create new bridges between global research communities and local industry, academia, and policymakers in Latin America. We invite you to contribute original work, share case studies, and discuss the future of transportation in diverse and dynamic environments. *BIENVENIDAS Y BIENVENIDOS!*

TOPICS OF INTEREST

Papers falling into the wide area of vehicular electronics and safety are welcome. Topics of interest include, but are not limited to, the following:

Vehicular Safety
- Accident prevention technologies and crash analysis
- Driving assistance systems for unstructured environments
- Cybersecurity and safety protocols for intelligent vehicles

ITS Emerging Technologies and Applications
- Frugal technologies for sustainable ITS applications
- Smart infrastructure and connected vehicles
- AI and machine learning for traffic management
- Vehicle-To-Everything (V2X) and Cellular V2X

Vehicular Electronics
- Embedded systems and automotive software
- Sensor fusion and electronic control units (ECUs)
- Vehicle architectures for AI enabled systems

Electric and Autonomous Vehicles
- Battery management systems (BMS)
- Power electronics for electric vehicles
- Metrics, verification and validation of intelligent vehicles

Cyber-Physical Systems
- Safety-critical hardware/software systems
- IoT-based vehicular networks
- Blockchain and secure vehicular communication

Datasets
- Automotive: Northern and Southern hemispheres
- Synthetic datasets
- Tools (curation, labelling, …)

ORGANIZING COMMITTEE (under construction)

General Chair:
- Javier Ibanez-Guzman (Renault, France)

Program Chairs:
- Javier Del Ser (TECNALIA and UPV/EHU, Spain)
- Meng Lu (Aeolix ITS, Netherlands)

Local Chair:
- Eynar Calle Viles (Univalle, Bolivia)

Treasurer/Finance Chair:
- Guibarra Cordero Cecilia (Mi Teleferico, Bolivia)

Registration Chair:
- Pablo Arce Maldonado (Univalle, Bolivia)

Workshop & Tutorials chair:
- Elias Choque Maydana (UPEA, Bolivia)

Publicity Chair:
- Stephany Berrio (University of Sydney, Australia)
- Marco F. Borda (IEEE Young professional, Bolivia)

IMPORTANT DATES

- July 19th, 2026: Submission deadline (STRICT)
- August 23rd, 2026: Notification of acceptance
- September 30th, 2026: Camera-ready deadline

Complete manuscripts in PDF must be submitted electronically. Detailed instructions for authors and templates for the preparation of papers can be found on the website.

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