

IEEE ITSC 2023



Towards a New Era of Human-aware, Human-interactive, and Human-friendly ITS

The 26th edition of the IEEE International Conference on Intelligent Transportation Systems (ITSC 2023) is the annual flagship conference sponsored by the IEEE Intelligent Transportation Systems Society (ITSS). This event hosts an attractive agenda of technical contributions, keynote presentations, tutorials, special sessions, and workshops on topics related to the field of Intelligent Transportation Systems (ITS). The conference aims to gather researchers and practitioners working in this field towards sharing, discussing, and opening new paths in the theory, analysis, simulation, data-based modeling, experimentation, deployment, and case studies embracing transportation and mobility at their core. In particular, ITSC 2023 builds upon its *motto* to invite and encourage prospective authors to present results, findings, perspectives, and developments related to the implementation and deployment of ITS applications that consider human interaction at the core of their design.

TOPICS OF INTEREST

Topics of interest include, but are not limited to:

- Advanced public transportation management
- Advanced transportation safety systems
- AI, Machine Learning and Deep learning for ITS
- Air, road, and rail traffic management
- Behavioral modeling in ITS
- Connected and automated vehicles
- Cooperative driving technologies
- Cyber-physical-social systems for ITS
- Driver and traveler support systems
- Education in ITS
- Electrified transportation systems
- Human factors and HMI
- ITS field tests and implementation
- Intelligent logistics
- Management of incidents and evacuation
- Modeling and detection of vulnerable road users/animals
- Naturalistic driving datasets and data analytics
- New technological trends in ITS
- Ports, waterways, and vessel traffic management
- Public policy, regulatory and societal issues in ITS
- Security, privacy, and safety systems
- Sensors, detectors, and actuators in ITS
- Social Cognitive Autonomous Driving
- Shared and smart mobility
- Traffic theory for ITS
- Transportation networks
- Trustworthy AI (XAI) for ITS
- Vehicle localization, object tracking, and navigation
- Vision and environment perception
- V2X communications in ITS

ORGANIZING COMMITTEE

General Chair:

- Javier Del Ser, TECNALIA and UPV/EHU, Spain

General Co-Chair:

- Eleni I. Vlahogianni, National Technical University of Athens, Greece

Program Chairs:

- Fernando García Fernández, UC3M, Spain
- Ahmed Hussein, IAV, Germany
- Silvio Nocera, IUAV Univ. of Venice, Italy
- Lingxi Li, Purdue University, USA
- Anuj Sharma, Iowa State University, USA
- Silvia Siri, University of Genova, Italy
- Joseph Chow, New York University, USA
- Joshue Pérez-Rastelli, TECNALIA, Spain

Workshop/Tutorials Chairs:

- Meng Lu, Peek Traffic B.V., Netherlands
- Marco Rinaldi, TU Delft, Netherlands
- Neda Masoud, University of Michigan, USA

Special Sessions Chairs:

- Ibai Laña, TECNALIA, Spain
- Emmanouil Barmponakis, EPFL, Switzerland
- Hyoshin (John) Park, North Carolina A&T State University, USA

Industrial Engagement Chairs:

- Vicente Milanés, Renault, Spain
- Fabio Tango, CRF, Italy

Publicity Chairs:

- David F. Llorca, Universidad de Alcalá, Spain
- Brendan Morris, University of Nevada, Las Vegas, USA

Publication Chairs:

- Eneko Osaba, TECNALIA, Spain
- Alexander Carballo, Gifu University, Japan
- Mohsen Ramezani, Univ. of Sydney, Australia

International Advisory Committee:

- Wei Bin Zhang, University of California at Berkeley, USA
- Kazuya Takeda, Nagoya University, Japan
- Javier Sánchez Medina, ULPGC, Spain
- Cristina Olaverri-Monreal, Johannes Kepler University Linz, Austria
- Azim Eskandarian, Virginia Tech, USA
- Miguel Ángel Sotelo, Universidad de Alcalá, Spain
- Petros Ioannou, University of Southern California, USA
- Ljubo Vlacic, Griffith University, Australia

IMPORTANT DATES

February 15, 2023: Proposal due for special sessions

March 1, 2023: Proposal due for workshops, tutorials, and industrial sessions

May 15, 2023: Submission deadline for regular, special session, and workshop papers

June 30, 2023: Notification of paper acceptance

July 31, 2023: Final paper submission deadline

SUBMISSIONS

Complete manuscripts in PDF must be submitted electronically. Detailed instructions for authors will be provided at the conference website 2023.ieee-itsc.org

Contact:

contact@2023.ieee-itsc.org