INTERNATIONAL

INVITED SESSION SUMMARY

Title of Session: Human-Road-Vehicle Interaction

Name, Title and Affiliation of Chair: Professor Reza Jazar, College of Engineering, Tarleton State University, Texas

Details of Session (including aim and scope):

Call for Papers / Presentations
Smart Human–Road–Vehicle Interaction
We invite high-quality papers and presentations that explore innovative concepts, emerging technologies, and practical solutions in **Smart Human–Road–Vehicle Interaction**. This theme focuses on the rapidly evolving interfaces linking human users, intelligent vehicles, and increasingly connected roadway environments. Submissions should advance understanding, design, or implementation of interaction systems that enhance safety, efficiency, comfort, and user experience in modern transportation.
Topics of interest include, but are not limited to:

- Human–vehicle interaction for autonomous and semi-autonomous systems
- Advanced driver assistance and cooperative driving technologies
- Roadway sensing, smart infrastructure, and V2X communication
- Cognitive load, driver behavior, and human-factors modeling
- Multimodal interfaces and adaptive in-vehicle interaction
- AI-supported decision making for drivers and intelligent vehicles
- Safety strategies and risk reduction through enhanced interaction
- Road–vehicle co-optimization and intelligent traffic flow
- Simulation, digital twins, and testbed development for interaction studies
- Applications of machine learning and data analytics in human–road–vehicle systems

We welcome contributions from researchers, industry professionals, and practitioners aiming to shape the future of intelligent mobility. Submissions may include theoretical studies, empirical research, system designs, case studies, or emerging concepts relevant to the theme.

Main Contributing Researchers / Research Centres (tentative, if known at this stage):

Website URL of Call for Papers (if any):

Email & Contact Details:

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