Call For Papers

Special Session: Intelligent Analysis and Processing Technology in the Vehicle Scenario
Conference: The 2023 International Conference on Cyber-physical Social Intelligence (ICCSI)
Date: October 20-23, 2023   **Meeting mode:** In-person
Location: Xi'an, China   **Web site:** https://agist.org//iccsi2023

With the rapid development of intelligent technology, intelligent analysis and processing technology has greatly improved the driving experience, vehicle safety, and operational efficiency in the vehicle scenario. Recently, researchers have applied many intelligent technologies, such as advanced analytical algorithms, artificial intelligence, machine learning and so on, to process and analyze data collected from the unmanned system and intelligent cockpit. With the help of various sensors and cameras inside and outside, the vehicles can capture and analyze the real-time information from the environment, such as road obstacles, traffic signals, driver's emotions and emergencies inside the vehicle. As the demand for smart cars continues to grow, the development and implementation of intelligent analysis and processing technology in the vehicle scenario will play an increasingly important role in shaping the future of the automotive industry. In this session, we would like to collect and investigate the recent advances in the ongoing researches of Intelligent Analysis and Processing Technology in the Vehicle Scenario.

Interested topics include (but not limited to):
- Human-computer interaction in intelligent vehicle
- Intelligent driving technology in vehicle system
- Data-driven methods for signal analysis and processing
- Multimodal signal and information processing technology
- Audio and visual processing techniques for vehicle applications
- User experience enhancement techniques for intelligent cockpit
- Auxiliary techniques for safe driving
- Data analysis in vehicle system's application

Important Dates:

March 31, 2023,	Letter of intent for paper contribution
May 15, 2023,	Full paper submission
July 1, 2023,	Acceptance/Rejection notification
August 31, 2023,	Final camera-ready papers due

Special Session Co-chairs:
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All inquiries about the session, including the letter of intent, should be sent to any of the co-chairs above