**THE 22ND IEEE INTERNATIONAL CONFERENCE ON INDUSTRIAL INFORMATICS (INDIN) INDIN 2024**

**AUGUST 17-20, 2024, BEIJING, BJ, CHINA**

**Special Session on**

# “Human Factors in Decision-Making, Planning and Control Technologies of Intelligent Vehicles”

Principal Organizer(s):

# Organized by

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# Call for Papers

Theme: This special session aims to provide up-to-date research concepts, theoretical findings, and practical solutions on considering human factors in decision-making, planning, and control technologies for intelligent vehicles, which could help to improve the driving safety and ride comfort of intelligent vehicles.

Topics of interest include, but are not limited to:

* 1. Application of AI and machine learning for autonomous driving
  2. Personalized decision-making and trajectory planning
  3. Behavior prediction of human-driven vehicles and pedestrians
  4. Multi-vehicle interaction in complex environments mixed with human-driven and autonomous vehicles
  5. Multi-vehicle cooperative trajectory planning in mixed driving environments
  6. Drivers and passengers trust analysis and assessment of intelligent vehicles
  7. Driver behavior analysis in driver-automation shared control
  8. Personalized Advanced Driver Assistance Systems (ADAS)
  9. Human-machine cooperative decision-making and control technology
  10. Personalized steer, brake and drive systems based on driving style identification
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