Workshop Program Schedule

Intelligent Connected Vehicles (ICV)
Based on Advanced Communication Technologies

Program Schedule:

• 08:30 AM - 09:00 AM: Registration and Welcome Address
  Welcome address, introducing the theme and objectives of the workshop.
  Participants arrive and register for the workshop.

• 08:50 AM - 09:45 AM: Session 1: Information Processing and Decision-Making Methods for ICV
  Presentation 1: Long and Short-Term Risk Recognition of New Energy Bus Drivers Based on GPS Data. (15 min)
  Presentation 2: Enhancing Traffic Conflict Prediction through Lane Segmentation Analysis: Considering the Impact of Connected Vehicles (CVs). (15 min)
  Presentation 3: Discretionary Lane-Changing Decision Making Framework Combining Cumulative Prospect Theory and Discrete Choice Model. (15 min)
  Discussion and Q&A session. (10 min)

• 09:45 AM - 10:40 AM: Session 2: Test Techniques for ICV
  Presentation 1: Research on Hazardous Lane-Changing Scenario Search Based on Adaptive Random Testing. (15 min)
  Presentation 2: Crash-Based Safety Testing of Autonomous Vehicles: How Would Autonomous Vehicles Behave in Real World Crash Scenarios? (15 min)
  Presentation 3: High-Risk Scenarios Involving Powered Two-Wheelers Generated Based on In-Depth Crash Data for Autonomous Vehicles Testing. (15 min)
  Discussion and Q&A session. (10 min)

• 10:40 AM - 10:50 AM: Tea/Coffee Break

• 10:50 AM - 12:15 PM: Session 3: Control Strategies based on ICV and Intelligent Infrastructure
  Presentation 1: Consensus-Based Vehicle Platoon Control Considering Human Physiological-Psychological Comfort. (15 min)
  Presentation 2: Online Physical Enhanced Residual Learning for Connected Autonomous Vehicles Platoon Centralized Control. (15 min)
  Presentation 3: A Right-Of-Way Allocation Method for Automated Container Terminals. (15 min)
  Presentation 4: Two-Step Deep Reinforcement Learning for Traffic Signal Control to Improve Pedestrian Safety Using CV Data. (15 min)
  Presentation 5: A Multi-Objective Optimization Bus Signal Priority Control Strategy under Different CAV Penetration Rates. (15 min)
  Discussion and Q&A session. (10 min)

• 12:15 PM - 12:20 PM: Workshop Summary and Closing Remarks
  Summary of key takeaways from the workshop sessions.
  Closing remarks by workshop organizers.

For inquiries, please contact zhaohang@cqupt.edu.cn