Saturday, Dec. 6: Edge Computing for Connected and Autonomous Vehicles (EdgeCAV)

Each paper is allocated a 20-minute slot (15 minutes presentation + 5 minutes Q&A).

9:00-10:00	**Registration**
10:00-10:40	**Keynote** Dr. Xiaopeng (Shaw) Li (University of Wisconsin-Madison) Talk title: Automated/Connected Vehicle Evaluation and Management with Edge Computing Session Chair: Sidi Lu
10:40-11:00	***Break***
11:00-12:30 **(10-min buffer)**	**Session 1A: Perception and Trajectory Forecasting for Autonomous Driving** Session Chair: Ruimin Ke 1. ***TinyBEV: Compact Temporal Fusion for Multi-View 3D Perception*** Hongyu Ke, Jack Morris (Georgia State University); Yongkang Liu, Satoshi Kitai, Kentaro Oguchi (InfoTech Labs, Toyota Motor North America R&D); Yi Ding, Haoxin Wang (Georgia State University) 2. ***Communication-aware Diffusion Models for Multi-Agent Trajectory Forecasting in Connected and Autonomous Vehicles*** Jingyi He, Kehua Chen, Bingzhang Wang, Yinhai Wang (University of Washington) 3. ***Context-Aware Perception: VLM-Augmented All-Weather Detection for Autonomous Driving*** Johora Akter Polin (William & Mary); Yichen Luo (William & Mary); Sidi Lu (William & Mary) 4. ***Open-Vocabulary Object Detection with Driving-Aware Multi-Scale Feature Fusion for Autonomous Driving***

	Tianyang Chen, Yongtao Yao (University of Delaware); H Peter Hofstee (IBM); Weisong Shi (University of Delaware)
12:30-13:30	***Lunch***
13:30-16:00 (10-min buffer)	**Session 1B: Trustworthy Edge Intelligence for Connected Vehicles** Session Chair: Johora Akter Polin 5. ***Toward Design of a Scalable Federated Unlearning Framework for Trustworthy Edge Intelligence*** Haitham Y. Adarbah (Department of Electrical Engineering and Computer Science, Texas A&M University–Kingsville, Kingsville TX, USA); Kewei Sha (Department of Data Sciences, University of North Texas, Denton TX, USA); Afzel Noore (Department of Electrical Engineering and Computer Science, Texas A&M University–Kingsville, Kingsville TX, USA) 6. ***A Cost-Aware Hierarchical Cascade for Anomaly Detection at the Edge in Connected Vehicles*** Cheng-Hsun Chang (Department of Computer Science, KTH Royal Institute of Technology, Stockholm, Sweden); Adarsh Prasad Behera (Department of Intelligent Systems, KTH Royal Institute of Technology, Stockholm, Sweden); Sophia Zhang Pettersson (Cloud and Embedded Platform, Traton AB, Södertälje, Sweden); James Gross (Department of Intelligent Systems, KTH Royal Institute of Technology, Stockholm, Sweden) 7. ***Training-Free Late Fusion across Geometry and BEV for Edge-Deployable LiDAR–Camera 3D Perception*** Yixuan Zhang, Sidi Lu (William & Mary, USA) 8. ***Adaptive Edge Intelligence for Intersection Safety: Real-Time Dilemma Zone Management via DV-EISOS*** Luyang Gong, Hung-Min Hsu, Wei Sun (AIWaysion Inc.); Yinhai Wang (University of Washington) 9. ***Onboard Decisions and Cloud-Scale LLM Planning: Split Reasoning and Collaborative Intelligence for Autonomous Driving*** Meng Ma, Shuyang Li, Kaicong Huang, Talha Azfar (Rensselaer Polytechnic

Institute); Naigang Wang (IBM T.J. Watson Research Center); Ruimin Ke (Rensselaer Polytechnic Institute)

10. ***Edge-Deployable LLMs for Autonomous Vehicle Intelligence***
Ishparsh Uprety, Xinghui Zhao (Washington State University)

11. ***Evaluating the Impact of Network Latency on the Teleoperation of Autonomous Vehicles***
Mustafa Alsolami (University of Jeddah); Arpan Bhattacharjee, Weisong Shi (University of Delaware)