

Symposium FAST-zero'25 Program: Detailed timetable as of September 10, 2025

FAST-zero'25 - 1st Day Tuesday September 23

08:20	Registration		
09:00	Opening Ceremony (Salle Mistral) Véronique Cerezo, Daniel Lechner and Pongsathorn Raksincharoensak		
09:20	Keynote 1 "Road To Zero Traffic Accident By Progress Of Active Safety Technologies" Yoshimi Furukawa, Professional University of Electric Mobility Systems, Japan		
10:10	Gold Sponsor Speech "Creating New Value in Mobility through Software-Defined Vehicles" Kunimichi Hatano, Honda Motors Co., Ltd. Japan		
10:40	FAST-zero'25 Photo		
10:45	Coffee Break		
11:10	Tu-A1 Salle Mistral	Tu-B1 Salle d'Honneur	Tu-C1 Salle Cézanne
	Path Planning for Autonomous Vehicles	Accident and Incident Analysis	Traffic Control and Connected Mobility
	Chair: Hiroshi Yoshitake	Chair: Thomas Lich	Chair: Keisuke Suzuki
11:10	Tu-A1-1: 594527, Path Planning for Autonomous Vehicles: Implementing an Occupancy Grid and Artificial Potential Fields in a Euro NCAP Simulation based on ASAM OSI, by Mathias Klinger et al.	Tu-B1-1: 594417, Estimation of the vehicle safety measures on vehicle to vehicle right-turn accidents in Japan, by Yuichi Omoda et al.	Tu-C1-1: 606643, Examining the Impact of Consumer Education on Driver Mental Models and System Use, by John K. Lenneman et al.
11:35	Tu-A1-2: 607690, Path Planning to Control Automated Driving Vehicle by Applying Social Force Model, by Shumma Takeda et al.	Tu-B1-2: 594416, Enhancement of a conflict detection rate by a Gaussian Model with Survival Analysis, by Takayuki Kawabuchi et al.	Tu-C1-2: 606816, Impacts of Cooperative Systems Utilizing Roadside Sensors on Efficiency of Automated Driving, by Jiang Wu et al.
12:00	Tu-A1-3: 595940, Path Planning for Pedestrian Areas Using Artificial Potential Field with 3D LiDAR, by Manato Iida et al.	Tu-B1-3: 594298, Comparison between taxi drivers and ordinary drivers by analyzing traffic accident statistics and drive recorder data, by Masami Aga et al.	Tu-C1-3: 601210, Impact of Rail Electric Road Systems on Vehicle Dynamics, by Murad Shoman et al.
12:25	Lunch Break		
13:30	Tu-A2 Salle Mistral	Tu-B2 Salle d'Honneur	Tu-C2 Salle Cézanne
	Autonomous Vehicles: Safety Assessment	Characteristics of Vehicle Control and Driver	Connected Mobility and Infrastructure Cooperation
	Chair: Stefan Schneider	Chair: Takuma Ito	Chair: Hideo Inoue
13:30	Tu-A2-1: 595261, Assessment of Third-Party Accessory for Autonomous Driving System in Malaysia, by Sharifah Nurul Asyikin et al.	Tu-B2-1: 595085, Evaluation of longitudinal control strategies for autonomous vehicles, by Henrik Münchhausen et al.	Tu-C2-1: 595454, Integration and use of a redundant communication network in AVP type 2 systems, by Fleix Meyer et al.
13:55	Tu-A2-2: 604292, A Study on Safety Requirement for Automated Right-turn Function Considering Oncoming Driver's Interference, by Sou Kitajima et al.	Tu-B2-2: 595934, Impact of load on the Cargo Bike Performance in Emergency Maneuvers, by Fitahiana Andriamahafaly et al.	Tu-C2-2: 594662, V2V-based Automated Highway On-ramp Merging, by Marcus Kleinhagenbrock et al.
14:20	Tu-A2-3: 606761, Predictive Driver Assistance System for Conflict Avoidance Based on Situational Risk Assessment, by Wei Wang et al.	Tu-B2-3: 605976, Assessing Driving Performance in Glaucoma Patients: A Literature Review of Simulation Studies by Chokiu Leung et al.	Tu-C2-3: 608620, Evaluation for the Variation of Combining Infrastructure/Vehicle System Functions in a Connected and Co-operative Automated Driving Bus, by Keisuke Shimono et al.
14:45	Tu-A2-4: 605598, Evaluating Behavioral Safety of Automated Vehicles Based on Frequency of Traffic Conflict Encounters, by Yuichi Saito et al.		Tu-C2-4: 593888, V2X Intention Sharing for Cooperative Electrically Power Assisted Cycles, by Oscar Amador Molina et al.
15:10	Coffee Break		
15:40	Tu-A3 Salle Mistral	Tu-B3 Salle d'Honneur	Tu-C3 Salle Cézanne
	Autonomous Vehicles: Risk Assessment and Scenario Generation	VRU: Two-Wheel Vehicles	Intersection Safety
	Chair: Roman Henze	Chair: Tetsunori Haraguchi	Chair: Motoki Shino
15:40	Tu-A3-1: 605610, Measuring Behavioral Safety of Automated Vehicles Using Safety Margin and Proximity Indicators, by Yuichi Saito et al.	Tu-B3-1: 594076, Connectivity and ADAS key to reduce motorcycle collision accidents, by Hennes Fischer et al.	Tu-C3-1: 605991, Driver Assistance System to Prevent Right-turn Accidents at Signalized Intersection by Indicating Safety Margin on Road Surface Ahead of Oncoming Vehicles, by Yoshitaka Marumo et al.
16:05	Tu-A3-2: 596029, Potential of external data to accelerate the creation of accident scenarios and their annotation, by Maria Pohle et al.	Tu-B3-2: 604009, The influence of motorcycle riders' emotional state and personality on their risk-taking behavior, by Keisuke Suzuki et al.	Tu-C3-2: 595788, Map-Based Decision Making for Autonomous Vehicles at Unsignalized Intersections, by Philip Wallis et al.
16:30	Tu-A3-3: 604305, Generating Logical Scenarios from Naturalistic Driving Data for Testing Autonomous Vehicle at Intersections, by Shun Endo et al.	Tu-B3-3: 607014, Dynamics Capabilities of a Mono-wheel in Emergency Maneuvers, by Thierry Serre et al.	Tu-C3-3: 605707, A Virtual Traffic Light Utilizing Existing Infrastructure to Enhance Traffic Safety and Driver Acceptance, by Keita Sakai et al.
16:55	Tu-A3-4: 605544, AI-Driven Framework for Automated Test Scenario Generation and Data Analysis in Autonomous Vehicle Validation, by Mariem Mounir et al.	Tu-B3-4: 595243, Analysis of E-Scooter accidents from Japan and Germany, by Toru Kiuchi et al.	Tu-C3-4: 595838, Autonomous Emergency Braking in High-Speed Crash Scenarios in the U.S.: A Comprehensive Literature Review, by Zifei Wang et al.
17:20	Move to Reception (inside building)		
18:00	Welcome Reception: Palais des Congrès Rooftop		
20:30	End of Day 1		

FAST-zero'25 - 2nd Day Wednesday September 24

08:20	Registration		
09:00	Plenary Session, Salle Mistral, Chair: Daniel Lechner		
09:00	Keynote 2 : "Engineering the Future of Safety: How Bosch Unites Active and Passive Safety for All Road Users – From Cars to Two-Wheelers" Thomas Lich, Bosch, Germany		
09:50	Keynote 3: "Global Road Safety Trends and the Challenges for Vulnerable Users" Véronique Feypell, ITF - OECD, France		
10:40	Coffee Break		
11:10	We-A1 Salle Mistral	We-B1 Salle d'Honneur	We-C1 Salle Cézanne
	Autonomous Vehicles: Scale models	Solutions for improving VRU Safety 1	Driver Behaviour Analysis
	Chair: Felix Meyer	Chair: Tetsuya Kaneko	Chair: Toshiya Arakawa
11:10	We-A1-1: 606286, Review of Autonomous Racing Competitions and Technologies, by Lanzo Denoyelle et al.	We-B1-1: 593850, User-centered warning design for Powered Two-Wheeler Riders, by Sebastian Will et al.	We-C1-1: 605100, Longitudinal Comparison of the Impact of Cognitive Changes on Subjective Behavioral Changes in Older Drivers, by Toshihisa Sato
11:35	We-A1-2: 594573, Extracting Potential Collisions Using AI Autonomous Model Car, by Hiroshi Kuniyuki	We-B1-2: 595239, Comparative Evaluation of Personal Mobility Vehicle Interfaces: Addressing Usability Gaps for Elderly Users Through Human-Machine Interface Design Principles, by Lina Stoll et al.	We-C1-2: 605413, Early Identification of Latent Unsafe Awareness Based on Parameter Estimation of Intelligent Driver Model, by Hironori Suzuki et al.
12:00	We-A1-3: 605950, Experimental Comparison between On-Board and Communication-based Controllers with Automatic Parking System for Articulated Vehicles, by Jinwoo Kim et al.	We-B1-3: 595823, Dynamic Pedestrian Trajectory Estimation for Autonomous Vehicles Using Risk Potential Theory, by Riku Kikuta et al.	We-C1-3: 596125, Advancing Understanding of Longitudinal Vehicle Operation: A Methodological Framework, by Duha Alkurd et al.
12:25	Lunch Break		
13:30	We-A2 Salle Mistral	We-B2 Salle d'Honneur	We-C2 Salle Cézanne
	Sensing for AV/ADAS 1	Solutions for improving VRU Safety 2	Human Factors
	Chair: Alexander Carballo	Chair: Thierry Serre	Chair: Pierre Van Elslande
13:30	We-A2-1: 595833, Research on Tele-Operation Support System Based on Cameras for Position Indication and Movement Estimation, by Yuu Miyajima et al.	We-B2-1: 605317, Initial study on global position and uncertainty estimation for traffic participant observed from moving local coordinate system, by Kota Watanabe et al.	We-C2-1: 594345, Does ADAS Have an Effect on Suppressing Anger? by Shunpei Kawaguchi et al.
13:55	We-A2-2: 595945, Research on Orientation Estimation of Personal Mobility Using LiDAR Installed externally as Infrastructure, by Shusuke Kanai et al.	We-B2-2: 606593, Driver Assistance System to Prevent Rear-End Collisions with Cyclists Considering Driver's Attention Allocation Errors, by Hiroshi Yoshitake et al.	We-C2-2: 606201, Subjective Evaluation Items for Driving Fatigue Factors in ACC/LKAS Usage, by Takemi Tsukada et al.
14:20	We-A2-3: 595852, Research on Real-time Emergency Vehicle Direction Detection System Using Multiple Microphones for Autonomous Driving Vehicle, by Ryo Yagyu et al.	We-B2-3: 606640, Visual Cognitive Assistance for VRU Protection Considering Capability of Elderly Drivers, by Hiroki Nakamura et al.	We-C2-3: 595465, Facial Emotion Recognition of Occupants via an In-Car Camera System for Safety and Comfort, by Dejie Ji et al.
14:45	We-A2-4: 614486, Analysis of Multifunction Camera Processors in Modern Vehicles, by Jérémy Sinnave et al.	We-B2-4: 594021, Pose Estimation Using Mask Processing for Robustness Against Occlusions in Overlapping People, by Yukide et al.	We-C2-4: 595876, Towards an Embodied Cognition System Vehicle: A Study on the Impact of Occupants' Emotions and Actions on Driving Behavior and Attention and Driving Risk, by Karin Taguchi et al.
15:10	Coffee Break		
	We-A3 Salle Mistral	We-B3 Salle d'Honneur	We-C3 Salle Cézanne
	Sensing for AV/ADAS 2	Vehicle Dynamics and Control 1	Vehicle Safety
15:40	Chair: Maximilian Flormann	Chair: Véronique Cerezo	Chair: Wei Wang
16:05	We-A3-1: 593845, An Analysis of Camera Lens Contaminants in Vehicle Vision Systems: Characterizing Dust, Mud, and Droplet Patterns, by Tim Dieter Eberhardt et al.	We-B3-1: 595938, Study on Possibility for Road Friction Estimation Method from the Perspective of Next-generation Traffic Safety, by Ichiro Kageyama et al.	We-C3-1: 606232, Safety-Coach: a new safety function to address the real road safety issues, by Thierry Hermitte et al.
16:30	We-A3-2: 595875, Towards Faster Autonomous Driving: Simultaneous Object Recognition and Tracking Using Neuromorphic Cameras, by Arata Tanaka et al.	We-B3-2: 593782, Steering Control Law for Curve-Following: The Perfect Tracking Model, by Hideki Sakai	We-C3-2: 605449, Development of a Pedal Misapplication Detection Model for Accident Prevention Systems, by Keisuke Ujiie et al.
16:55	We-A3-3: 596019, Effect of Camera Choice on Single Camera Trilateration Using Computer Vision for Ego Vehicle Localisation, by Frederik M. Cronje et al.	We-B3-3: 594737, A sideslip angle-free approach to the stability control of road vehicles, by Giovanni Righetti et al.	We-C3-3: 605104, AI-Driven In-Situ Injury Prediction Framework, by Vadhira Shrinivas et al.
17:20	We-A3-4: 606887, A data-driven approach to motorcycle type classification using trunk inclination metrics, by Selim Cheaibi et al.	We-B3-4: 605041, Enhancing Automated Lane Keeping Control Performance of Heavy-Duty Trucks Considering Dynamic Characteristics of Vehicle Sideslip Angle, by Shunsuke Tsukuda et al.	We-C3-4: 644921, Collision Avoidance and Stability, by Philippe Chrétien et al.
17:45	Transfer by bus		
18:00	FAST-zero'25 Party (Mas de l'Espérance)		
22:30	Transfer by bus		
23:00	End of Day 2		

FAST-zero'25 - 3rd Day Thursday September 25

08:20	Registration		
09:00	Plenary Session, Salle Mistral, Chair: Pongsathorn Raksincharoensak		
09:00	Keynote 4: "The ROAD Conference Series: A Success Story in Advancing Autonomous Driving" Stefan Schneider, University of Applied Science Kempten, Germany & Tetsunori Haraguchi, Nagoya University, Japan		
09:50	Keynote 5: "Adding Systems Thinking to the "Safe Systems" Approach to Road Safety" Siddhartha Khastgir, University of Warwick, UK		
10:40	Coffee Break		
11:10	Thu-A1 Salle Mistral	Thu-B1 Salle d'Honneur	Thu-C1 Salle Cézanne
	Autonomous Vehicles: User Acceptance Study 1	Vehicle Dynamics and Control 2	Artificial Intelligence for Active Safety 1
	Chair: John K. Lennemann	Chair: Basilio Lenzo	Chair: Hironori Suzuki
11:10	Thu-A1-1: 595370, User Acceptance of Automated Driving during Non-Driving Related Activities, by Anna Panzer et al.	Thu-B1-1: 606432, Development of a system to assess the slip ratio of friction measuring wheels, by Ahmed Es Sabar et al.	Thu-C1-1: 594576, Optimization of Masking Selection Ratio in Diffusion Action Segmentation, by Yuta Ooyama et al.
11:35	Thu-A1-2: 595671, On Think-Aloud-Protocol For Assessment Of Automated Vehicles: Insights Into Longitudinal Driving on Highways, by Hari Hara Sharan Nagalur Subraveti et al.	Thu-B1-2: 606026, Evaluation of Obstacle Avoidance Performance of a Personal Mobility Vehicle (PMV) with an Inward Tilting Mechanism under Braking Conditions, by Tetsuya Kaneko et al.	Thu-C1-2: 594971, Efficient Embedding Dimension Number Selection Method for Deep Learning Focusing on Loss Variation in the Early Learning Phase, by Aoto Uchida et al.
12:00	Thu-A1-3: 596112, Customer satisfaction of driver assistance systems: challenges and opportunities in safety development for future driver assistance, automated and autonomous driving systems, by Uwe Stratmann et al.	Thu-B1-3: 595941, Path-following Control Methods and Optimization for Automated Driving of Personal Mobility, by Kentaro Hayashida et al.	Thu-C1-3: 605739, A Study on Parameter Optimization for Robust Motion Control Using Taguchi Method, by Riku Kikuta et al.
12:25	Lunch Break		
13:30	Thu-A2 Salle Mistral	Thu-B2 Salle d'Honneur	Thu-C2 Salle Cézanne
	Autonomous Vehicles: User Acceptance Study 2	Modeling, Testing and Simulation Methods	Artificial Intelligence for Active Safety 2
	Chair: Yuichi Saito	Chair: Ichiro Kageyama	Chair: Takahisa Imagawa
13:30	Thu-A2-1: 595693, Towards The Development Of A Framework For The Competency Assessment of Automated Driving Systems, by Hari Hara Sharan Nagalur Subraveti et al.	Thu-B2-1: 650650, Integrate MIL/SIL/HIL verification and validation steps into a continuous development cycle, by Thomas Karasiewicz et al.	Thu-C2-1: 605323, Initial study on the method of improving machine learning model for speed decision on community roads, by Yuki Sadanaka et al.
13:55	Thu-A2-2: 602306, Does Automated Lane Keeping System Increase Safety During Distracted Driving? by Norika Arai et al.	Thu-B2-2: 595380, Data-based tuning of the steering feel in a dynamic driving simulator, by Hendryk Lausch et al.	Thu-C2-2: 605969, A Unified Multi-Modal Framework for In-Car and Out-Car Anomaly Detection in ADAS, by Jinyu Gu et al.
14:20	Thu-A2-3: 605587, Driver Acceptance Evaluation of Highway Merging Assistance Using a Multi-Vehicle Interactive Driving Simulator, by Souta Shimizu et al.	Thu-B2-3: 594664, VRU test scenarios for automotive ADAS testing based on real world accident scenarios, by Martin Urban et al.	Thu-C2-3: 606003, Enhancing Insights into Traffic Accident Risk with Multimodal Retrieval-Augmented Generation, by Motoki Chiba et al.
14:45	Thu-A2-4: 605336, A philosophical exploration of the ethics surrounding autonomous vehicles, by Masao Ito	Thu-B2-4: 605952, Evaluation of Braking Performance of Autonomous Shuttles under Varying Road Conditions, by Manuela Genesseeux et al.	Thu-C2-4: 594418, Natural language retrieval of driving scenes using visual question answering, by Sota Nakanishi et al.
15:10	Coffee Break		
15:40	Closing Ceremony (Summary, Best Paper Award, FAST-zero'27 Announcement) Chair: Pongsathorn Raksincharoensak		
16:30	End of Day 3		