



The Korean Society of  
Automotive Engineers



The 22nd Asia Pacific Automotive  
Engineering Conference in 2024

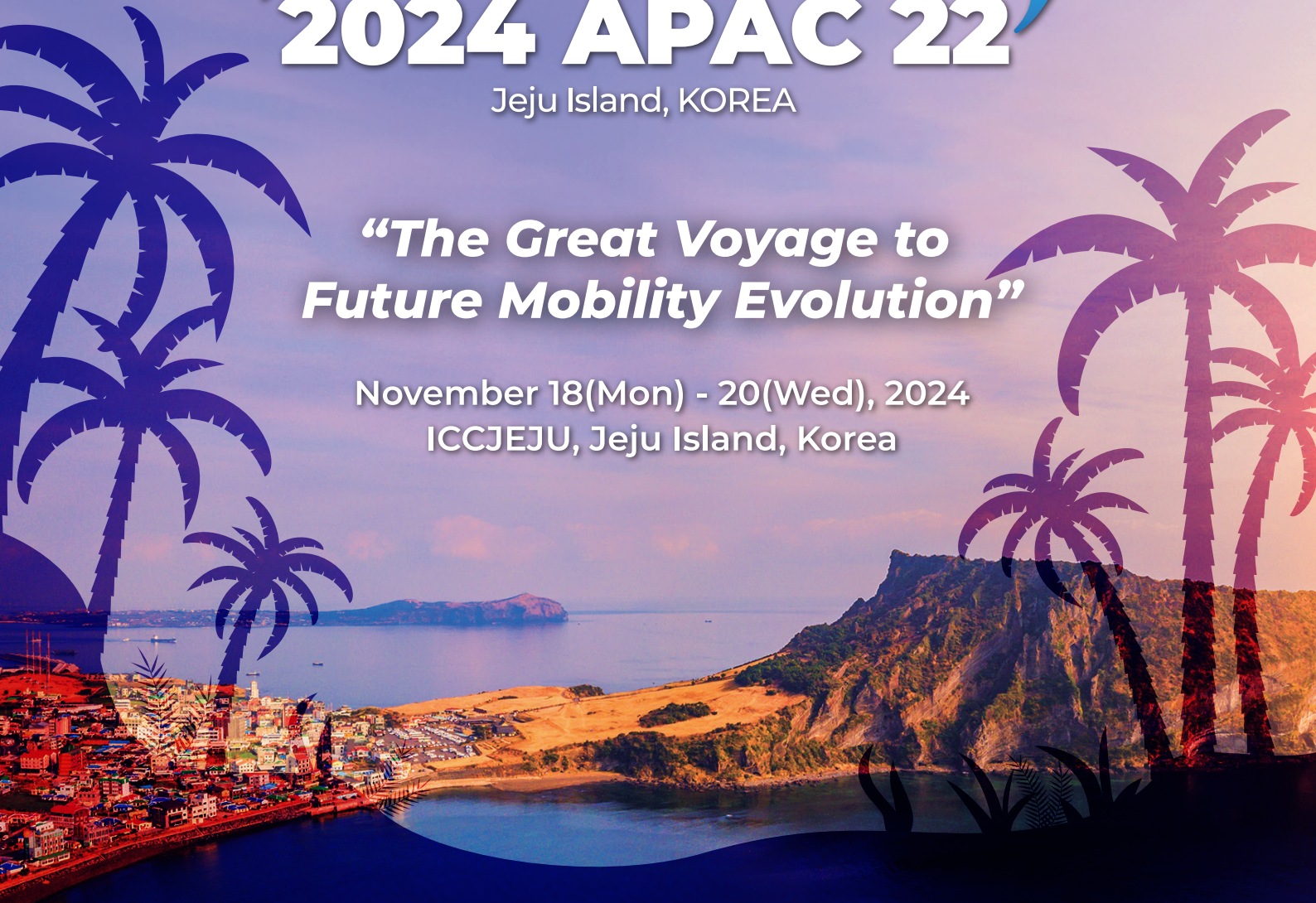


**2024 APAC 22**

Jeju Island, KOREA

***“The Great Voyage to  
Future Mobility Evolution”***

November 18(Mon) - 20(Wed), 2024  
ICCJEJU, Jeju Island, Korea





## Chairman's Message

We would like to express our sincere gratitude to all participants for their interest and involvement in APAC 22.

The APAC would be able to share diverse information with your interest and dedicated support to development and future of the mobility industry. Therefore, automotive experts around the world were able to interact with the latest technologies, innovative products, direction of future development etc. related to automotive fields such as customer, society, and automotive industry.

In line with the conference theme, 'The Great Voyage to Future Mobility Evolution', APAC 22 will focus on a variety of future mobility technologies, innovative state-of-the-art technologies such as autonomous driving platforms, autonomous robots, electric vehicles, and smart cars. In addition, the conference will cover various areas related to vehicles, including innovative programs, tools, manufacturing, platforms and solutions.

Your participation and engagement in APAC 22 will contribute greatly to the advancement of the mobility industry's future. We kindly ask for your continued interest and active participation.

**Prof. Jong-hwa, Lee**  
Chairman of APAC22



### Day 1

#### Keynote 1

Nov. 18 (Mon), 13:20 ~ 14:00 (KST)  
Presentation 35min, Q&A 5min



**Na Seung-sik**  
President of KATECH

Quo Vadis, Vehiculum?  
Challenges and Strategies for New Mobility Era

#### Keynote 2

Nov. 18 (Mon), 14:00 ~ 14:40 (KST)  
Presentation 35min, Q&A 5min



**Dr. Samy Panneerselvam**  
Technical Director of Caresoft Global Technologies Inc

Evolution of Modular and Unboxed Design  
Concept in Automotive Electrification

### Day 2

#### Keynote 3

Nov. 19 (Tue), 16:20 ~ 16:55 (KST)  
Presentation 30min, Q&A 5min



**C V RAMAN**  
Member of Executive Committee,  
Maruti Suzuki India Limited & President, SAE India  
Sustainable Mobility - India context

#### Keynote 4

Nov. 19 (Tue), 16:55 ~ 17:40 (KST)  
Presentation 40min, Q&A 5min



**Dr. Chang Hwan Kim**  
Senior Vice President of Hyundai Motor Group  
Electrification Energy Solutions Tech Unit  
Electrification Energy Solutions for Future Mobility

Day 1 (Nov. 18, Mon)					
Time	Halla Hall A	Halla Hall B	Samda Hall		
09:00 ~ 09:20		Vehicle Dynamics and Controls			
09:20 ~ 09:40	Electric, Hydrogen, Fuel Cell Technology				
09:40 ~ 10:00					
10:00 ~ 10:20					
10:20 ~ 10:40	Coffee Break				
10:40 ~ 11:00	Electric, Hydrogen, Fuel Cell Technology	Vehicle Dynamics and Controls	Emissions and Pollutants Caused by Vehicles		
11:00 ~ 11:20					
11:20 ~ 11:40	Mobility Comfort		Automated and Connected Mobility		
11:40 ~ 12:00					
12:00 ~ 13:00	Lunch				
13:00 ~ 13:20	Opening Ceremony				
13:20 ~ 13:40	Keynote 1				
13:40 ~ 14:00	Na Seung-sik, President of KATECH (13:20~14:00)				
14:00 ~ 14:20	Keynote 2				
14:20 ~ 14:40	Dr. Samy Panneerselvam, Technical Director of Caresoft Global Technologies Inc (14:00~14:40)				
14:40 ~ 15:00					
15:00 ~ 15:20	Electric, Hydrogen, Fuel Cell Technology	Vehicle Dynamics and Controls	Digital Transformation		
15:20 ~ 15:40					
15:40 ~ 16:00					
16:00 ~ 16:20	Coffee Break				
16:20 ~ 16:40	Electric, Hydrogen, Fuel Cell Technology	Vehicle Dynamics and Controls	Vehicle Software and Electronics		
16:40 ~ 17:00					
17:00 ~ 17:20	Emerging Transport Technology				
17:20 ~ 17:40					
17:40 ~ 18:00	Break				
18:00 ~	Welcome Reception				
Day 2 (Nov. 19, Tue)					
Time	Halla Hall A	Halla Hall B	Samda Hall	Poster Session	
09:00 ~ 09:20	Automated and Connected Mobility	Vehicle Software and Electronics	Vehicle Crash Safety	Poster Exhibition	
09:20 ~ 09:40					
09:40 ~ 10:00					
10:00 ~ 10:20	Coffee Break				
10:40 ~ 11:00	Automated and Connected Mobility	Vehicle Software and Electronics	Ergonomics and Human Factors	Poster Exhibition	
11:00 ~ 11:20					
11:20 ~ 11:40					Vehicle Software and Electronics
11:40 ~ 12:00	Lunch				
12:00 ~ 13:00	Lunch				
13:00 ~ 13:20	Automated and Connected Mobility	Vehicle Software and Electronics	Vehicle Software and Electronics	Poster Q & A	
13:20 ~ 13:40					
13:40 ~ 14:00					
14:00 ~ 14:20	Coffee Break				
14:20 ~ 14:40	Coffee Break				
14:40 ~ 15:00	Coffee Break				
15:00 ~ 15:20	Automated and Connected Mobility	Automated and Connected Mobility	Vehicle Software and Electronics	Poster Exhibition	
15:20 ~ 15:40					
15:40 ~ 16:00					
16:00 ~ 16:20	Keynote 3				
16:20 ~ 16:40	C V RAMAN, Member of Executive Committee, Maruti Suzuki India Limited & President, SAE India (16:20~16:55)				
16:40 ~ 17:00	Keynote 4				
17:00 ~ 17:20	Dr. Chang Hwan Kim, Senior Vice President of Hyundai Motor Group Electrification Energy Solutions Tech Unit (16:55~17:40)				
17:20 ~ 17:40					
17:40 ~ 18:00	Break				
18:00 ~	Gala Dinner				



Day 1 (Nov. 18, Mon)			
Time	Halla Hall A	Halla Hall B	Samda Hall
09:00 ~ 09:20		Compensation method of mismatch control period in motor control system	
09:20 ~ 09:40	Predicting Hydrogen Storage Classes: A Supervised Machine Learning Approach with Dibenzyltoluene as a Liquid Organic Hydrogen Carrier	Robust Estimation of Vehicle Cornering Stiffness and Sideslip Angle under Model and Signal Uncertainties	
09:40 ~ 10:00	Experimental Research on the Water Direct Injection Strategy for the Higher Load Extension in a Hydrogen Direct Injection Spark Ignition Engine	A Study on the Improvement of Circuit Driving Fuel Supply Performance of N-Brand Vehicles	
10:00 ~ 10:20	Experimental Study on Various Combustion Chamber Geometry in a Hydrogen Direct Injection Spark Ignition Engine	Development of Ride Control Robustness Using xEV Drive Motor	
10:20 ~ 10:40	Coffee Break		
10:40 ~ 11:00	Acoustic Measurement and Analysis of an Electric Wheel Hub Motor	Observer-based Optimized Backstepping Control for Permanent Magnet Synchronous Motors	Study on Tire Wear Particulate Matter with different Tire Tread Prescription
11:00 ~ 11:20	Optimal Energy Management Strategy for Hybrid Electric Vehicles based on Model-Based Reinforcement Learning	Distributed Artificial Potential Field-Based Pattern Formation for Swarm Robots Enclosing Arbitrary-Shape Targets	Service Life Optimized for Minimum CO <sub>2</sub> – Comparison of ICEVs, PHEVs, BEVs and H2Vs in Korea and the US
11:20 ~ 11:40	Welcome Cabin Climate Control System	Motion Planning of Heavy-Duty Buses based on Robust Model Predictive Control Considering Parameter Uncertainty and Real-Time Performance	Development of Virtual Driving Scenario Generation Framework for Vehicle Power Management Optimization
11:40 ~ 12:00	Public Acceptance to utilize Autonomous Vehicles AV's in the United Arab Emirates, An Empirical Study	Road Slope and Mass Estimation for Adaptive Cruise Control of Mass-Varying Semi-Trailer Truck	Hybrid Trajectory Planning by Integrating Dynamic Acceleration with Model Predictive Control
12:00 ~ 13:00	Lunch		
13:00 ~ 13:20	Opening Ceremony		
13:20 ~ 13:40	<p style="text-align: center;"><b>Keynote 1</b>  <b>Na Seung-sik, President of KATECH</b>                      13:20~14:00</p>		
13:40 ~ 14:00			
14:00 ~ 14:20	<p style="text-align: center;"><b>Keynote 2</b>  <b>Dr. Samy Panneerselvam, Technical Director of Caresoft Global Technologies Inc</b>                      14:00~14:40</p>		
14:20 ~ 14:40			
14:40 ~ 15:00			
15:00 ~ 15:20	Comparative Assessment of Humidification Performance of Different Membranes for Proton Exchange Membrane Fuel Cell	Redundancy Steering Control Algorithm for Electric Vehicle Using Rear Wheel Torque Vectoring Mechanism	A Study on the prediction of aerodynamic drag force and server integration methodology and deep learning
15:20 ~ 15:40	Optimal Offline Energy Management Strategy for Fuel Cell Hybrid Trams on Predefined Path	The Effects of Four-Wheel Steering on the Path-Tracking Control of Automated Vehicles	AI-Aided Design Optimization for Vehicle Design Engineers
15:40 ~ 16:00	Thermal Management Enhancement of Axial Flux Permanent Magnet Motor Using Tapered Cooling Fins	Simulation Framework for Predicting BEV Driving Range with Estimated HVAC Load from Driving Test Data	Digital Transformation in 3D modeling with Deep Learning for point cloud hole filling and surface reconstruction
16:00 ~ 16:20	Coffee Break		
16:20 ~ 16:40	Identification of Magnetizing Inductance Saturation Model for Induction Machines During Indirect Flux-Oriented Control	A Vehicle Control Strategy for Reducing Pinion Angle Delay with Advanced Electronic Steering System to Estimate Steering Rack Force	Image Reliability against Fog weather based on Atmospheric Light Scattering Model with Depth Supervision using Pointcloud
16:40 ~ 17:00	Modulated Model Predictive Current Control based on Flux Saturation Model of IPMSMs	Dynamic Behavior and Modeling Validation of Vehicles Utilizing Independent In-Wheel Motor Systems	Enhancing Lane-Level Obstacle Localization with YOLO and Post-Processing Techniques
17:00 ~ 17:20	Prediction of Spray and Atomization characteristics of Multi-Hole GDI Injector under Flash-Boiling Conditions using Deep Learning	Performance Comparison between 2DOF PI and Complex Vector Current Controller with Flux Saturation Model of IPMSM	Development of an Oil Temperature Prediction Model for TMED Transmission
17:20 ~ 17:40			
17:40 ~ 18:00	Break		

Day 2 (Nov. 19, Tue)			
Time	Halla Hall A	Halla Hall B	Samda Hall
09:00 ~ 09:20	Visual Navigation Under Sparse Reward Via Goal-Oriented Memory Encoder	A Comparative Study of Queuing Disciplines of SOME/IP Quality of Service Support using Linux tc	
09:20 ~ 09:40	Development of Test Scenarios for Automated Vehicle Evaluation at Signalized Intersections	SOME/IP over TSN: Integration of Real-time Service-Oriented Architecture in Automotive Networks	Advanced Safety Features Integrated into the Innovative 4 Direction LED Solution for Enhanced Efficiency and Power Savings in Signal Lighting
09:40 ~ 10:00	Tightly Coupled Visual Odometry integrated with Lidar Prior Map	Reduction of Subscription Delay in SOME/IP Service Discovery by Using Multi-Core	X-ray Instrumented Side Impact Crash Test – A technology Demonstration
10:00 ~ 10:20	Personalized Machine Learning Model for Speed Bump Prediction	Evaluation of the PDU Aggregation Algorithm in CAN-to-TSN Ethernet Gateway	Continual Learning and Challenges of Collision Prediction Networks to False Positive Scenarios on Highway Driving
10:20 ~ 10:40	Coffee Break		
10:40 ~ 11:00	Design of a Preprocessing Accelerator with FPGA-based BEV Transformation and Zynq SoC Implementation	Comparative Analysis of Network Topologies in Zonal Architecture	
11:00 ~ 11:20	Deep Learning-Based Autonomous Driving in Kids' Electric Vehicles: Real-Time FPGA Implementation	Advancement of CICT through Virtual Integration and Testing in AUTOSAR System	A Study on Human-in-the-loop Evaluation Framework in Driving Simulator Environments
11:20 ~ 11:40	4D Radar Odometry System with RCS-weighted Multiple Scans Matching	Reliable SOME/IP-TP: Fast and Reliable Transmission of Large-Scale Data in SOME/IP-TP	A Study on Recognizing Changes in Driver Anger Through Physiological Signals
11:40 ~ 12:00	Online Calibration for Radar Odometry with Fault Detection	Efficient SW Update Methods of In-Vehicle Network for ADAS Application	Performance Analysis of QoS Settings in ROS 2 Architectures
12:00 ~ 13:00	Lunch		
13:00 ~ 13:20	Deep Learning-Based Local Path Planning for Autonomous Racing: Through Human Driving Data and Cost Functions	An Optimized Scheduling Method for GCL-cycle based on Time-aware Shaper in Zonal Architecture	Implementation Software Based PTP Time Protocol
13:20 ~ 13:40	Double Q-learning based AI Heading Decision Agent Development Using Radar Point data in Urban road	A Scalable Architecture for ROS2-Based Autonomous Vehicles	Redundant Velocity Estimation System Based on Virtual Slip Sensor for Autonomous Vehicle
13:40 ~ 14:00	Robust Lane Change Maneuver for Autonomous Vehicle based on Contingency Path Planning with Risk Inference	Implementation of a Lane Change System Module Using YOLOv8 Based on ROS2: Porting to Jetson Orin Nano and Performance Analysis	Enhancing IMU Pre-integration for LIDAR Inertial Odometry Based on Extended Kalman Filter in Agricultural Environments
14:00 ~ 14:20	Real-Time Collision Warning System based on ROS2 using DDS with Multi-sensor Fusion	Image-based Adverse Road Condition Detection via Deformable DETR	Real-Time Implementation of DNN-based Collision Risk Assessment
14:20 ~ 14:40	Guardrail Recognition Using Radar Point Grid Map with Shallow Convolutional Neural Network	Advancing Vehicle Cybersecurity: A VILS-based Framework for CSMS Certification	Automotive Secure OTA Protocol via Mask Hash
14:40 ~ 15:00	Coffee Break		
15:00 ~ 15:20	Maneuver Classification and Trajectory Prediction Based on Dual Non-autoregressive Transformers for multiple vehicles at Unsignalized Intersections	Lane Validity Assessment method Based on Transition Stability for Autonomous Vehicles	A Scalable FSM-Based Parking Algorithms using 2D Lidar
15:20 ~ 15:40	Generation of Concrete Scenarios with Multi-Parameter Distributions Using Multi-Layer Perceptron and Its Gradient for Car-following Scenario	Fault-tolerant Fusion-based Classification System for Detected Objects in Autonomous Vehicles	Acceleration based Collision Avoidance Trajectory Planning using Integrated Risk Map for Autonomous Vehicle
15:40 ~ 16:00	Correlation of Replay-based Learning and Scenario Generation for Trajectory Prediction of Multiple Vehicles Based on Sensor Infrastructures at Unsignalized Intersections	Two-Stage Surveillance Radar Tracking System with Road Geometry Information for ITS	Accurate Pose Estimation for Visual-Inertial Odometry in Agricultural Environment Based on Mitigating Illumination and Spatial Point
16:00 ~ 16:20			
16:20 ~ 16:40	<p style="text-align: center;"><b>Keynote 3</b>  <b>C V RAMAN, Member of Executive Committee,</b>  <b>Maruti Suzuki India Limited &amp; President, SAE India</b>                      16:20~16:55</p>		
16:40 ~ 17:00			
17:00 ~ 17:20	<p style="text-align: center;"><b>Keynote 4</b>  <b>Dr. Chang Hwan Kim, Senior Vice President of Hyundai Motor Group</b>  <b>Electrification Energy Solutions Tech Unit</b>                      16:55~17:40</p>		
17:20 ~ 17:40			
17:40 ~ 18:00	Break		

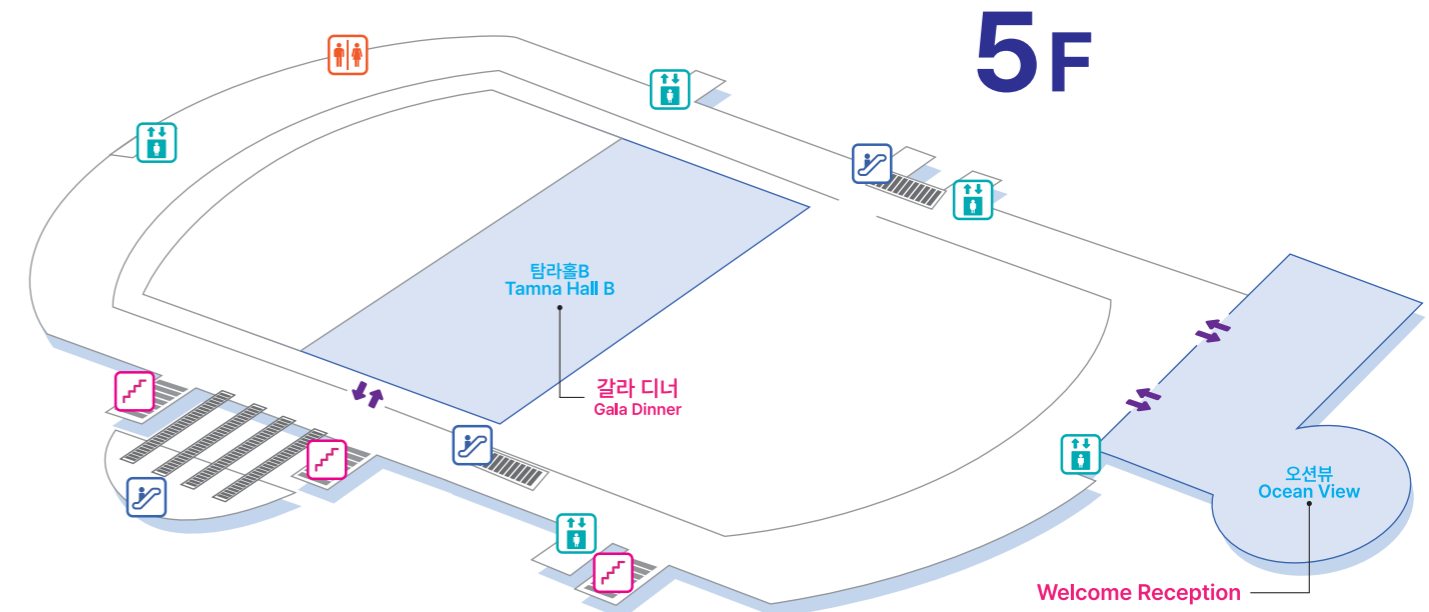
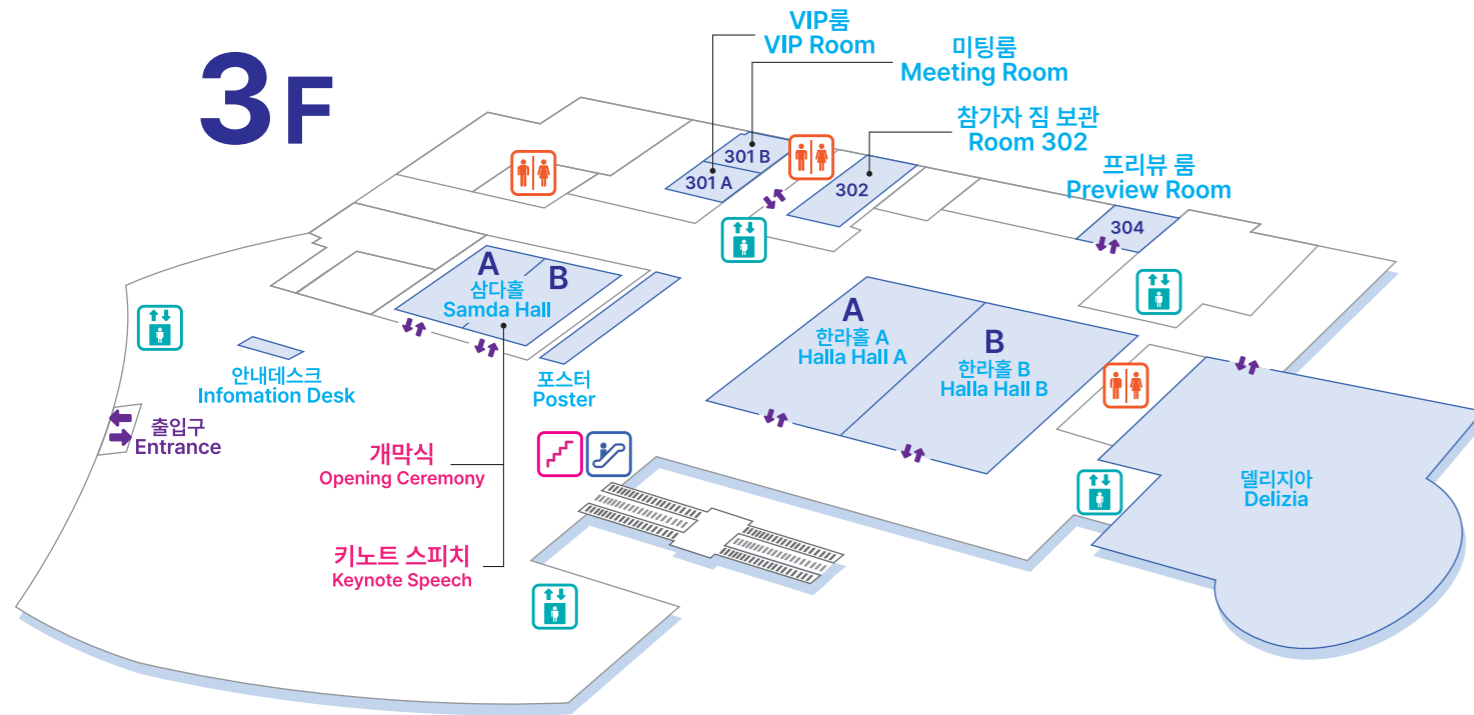
Session Chair	Affiliation	Session Name	Location	Date	Time
Bongsob Song	Ajou University	Automated and Connected Mobility	Halla Hall A	19.(Tue)	15:00 ~ 16:00
Donghoon Shin	National Korea Maritime & Ocean University	Vehicle Dynamics and Controls	Halla Hall B	18.(Mon)	15:00 ~ 16:00
Heeyun Lee	Dankook University	Automated and Connected Mobility	Samda Hall	18.(Mon)	16:20 ~ 17:20
			Halla Hall A	19.(Tue)	10:40 ~ 12:00
		Vehicle Software and Electronics	Samda Hall	19.(Tue)	13:00 ~ 14:40
Hyungseuk Ohn	Hyundai Motor Group	Electric, Hydrogen, Fuel Cell Technology	Halla Hall A	18.(Mon)	09:20 ~ 10:20
		Electric, Hydrogen, Fuel Cell Technology	Halla Hall A	18.(Mon)	10:40 ~ 11:20
		Mobility Comfort	Halla Hall A	18.(Mon)	11:20 ~ 12:00
Jeongwoo Lee	Chungnam National University	Automated and Connected Mobility	Halla Hall A	19.(Tue)	09:00 ~ 10:20
Jhonghyun An	Gachon University	Vehicle Dynamics and Controls	Halla Hall B	18.(Mon)	10:40 ~ 12:00
		Vehicle Software and Electronics	Halla Hall B	19.(Tue)	13:00 ~ 14:40
Jinuk Ha	KATECH	Electric, Hydrogen, Fuel Cell Technology	Halla Hall A	18.(Mon)	15:00 ~ 16:00
		Vehicle Software and Electronics	Halla Hall B	19.(Tue)	09:00 ~ 10:20
Junhee Shin	Seoul National University	Automated and Connected Mobility	Halla Hall B	19.(Tue)	15:00 ~ 16:00

Session Chair	Affiliation	Session Name	Location	Date	Time
Michael May	Fraunhofer EMI	Digital Transformation	Samda Hall	18.(Mon)	15:00 ~ 16:00
Namwook Kim	Hanyang University	Electric, Hydrogen, Fuel Cell Technology	Halla Hall A	18.(Mon)	16:20 ~ 17:00
		Emerging Transport Technology	Halla Hall A	18.(Mon)	17:00 ~ 17:20
Sanghoon Jeon	Kookmin University	Vehicle Dynamics and Controls	Halla Hall B	18.(Mon)	09:20 ~ 10:20
		Emissions and Pollutants Caused by Vehicles	Samda Hall	18.(Mon)	10:40 ~ 11:20
		Automated and Connected Mobility	Samda Hall	18.(Mon)	11:20 ~ 12:00
		Vehicle Software and Electronics	Halla Hall B	19.(Tue)	10:40 ~ 12:00
Suhan Park	Konkuk University	Vehicle Dynamics and Controls	Halla Hall B	18.(Mon)	16:20 ~ 17:20
Woosung Park	Sogang University	Vehicle Crash Safety	Halla Hall B	19.(Tue)	09:20 ~ 10:20
		Ergonomics and Human Factors	Halla Hall B	19.(Tue)	11:00 ~ 11:40
		Vehicle Software and Electronics	Halla Hall B	19.(Tue)	11:40 ~ 12:00
		Poster Session	Poster Session	19.(Tue)	13:00 ~ 14:40
Yongseob Lim	Daegu Gyeongbuk Institute of Science and Technology	Vehicle Software and Electronics	Samda Hall	19.(Tue)	15:00 ~ 16:00

Presenter	Affiliation	Paper Number	Date	Time	Location
ANG WANG	Zhejiang University of Technology	02_1444	18.(MON)	10:40 ~ 11:00	Halla Hall A
Angani Amarnathvarma	Korea Institute of Industrial Technology	07_1511	18.(MON)	16:20 ~ 16:40	Halla Hall B
Beomjoon Pyun	Korea Automotive Technology Institute	08_1450	19.(TUE)	13:00 ~ 14:40	Poster Session
Bogeun Kang	Kookmin University	09_1547	19.(TUE)	14:20 ~ 14:40	Halla Hall B
Bogyu Choi	Kookmin University	04_1480	19.(TUE)	11:20 ~ 11:40	Samda Hall
Chanuk Yang	Hanyang University	06_1468	19.(TUE)	09:40 ~ 10:00	Halla Hall A
Dohyun Seo	Ajou University	06_1542	19.(TUE)	15:20 ~ 15:40	Halla Hall A
Dongcheol Lee	Chungnam National University	02_1523	19.(TUE)	13:00 ~ 14:40	Poster Session
Dongeon Kim	Hanyang university	02_1508	18.(MON)	15:20 ~ 15:40	Halla Hall A
Donghoon Choi	PIDOTECH Inc	01_1402	18.(MON)	15:20 ~ 15:40	Samda Hall
Dongjae Lee	Korea Automotive Technology Institute	07_1529	19.(TUE)	13:00 ~ 14:40	Poster Session
Dongjune Lim	KATECH	09_1524	19.(TUE)	13:00 ~ 14:40	Poster Session
Dongmin Kim	Dankook University Intelligent Mobility Research Lab	02_1458	18.(MON)	11:00 ~ 11:20	Halla Hall A
Doyeong Kim	Korea Automotive Technology Institute	07_1485	18.(MON)	15:00 ~ 15:20	Halla Hall B
Eunho Kim	Sungkyunkwan University	06_1425	19.(TUE)	14:00 ~ 14:20	Halla Hall A
Gia Luan Phan	Chungbuk National University	07_1463	18.(MON)	11:00 ~ 11:20	Halla Hall B
Gyuhyeon Hwang	Sungkyunkwan University	06_1496	19.(TUE)	11:00 ~ 11:20	Halla Hall A
Harry Watson	University of Melbourne	03_1445	18.(MON)	11:00 ~ 11:20	Samda Hall
Hobin Oh	Sungkyunkwan University	06_1482	19.(TUE)	10:40 ~ 11:00	Halla Hall A
Horyul Park	Hanyang University	02_1538	18.(MON)	16:20 ~ 16:40	Halla Hall A
Hung Hoang	Chungbuk National University	09_1466	19.(TUE)	13:40 ~ 14:00	Samda Hall
Hyein Sung	Hanyang university	07_1504	18.(MON)	15:40 ~ 16:00	Halla Hall B
Hyeokjun Choi	Sungkyunkwan University	09_1407	19.(TUE)	10:40 ~ 11:00	Halla Hall B
Hyeongkeun Hong	Sungkyunkwan University	09_1423	19.(TUE)	13:20 ~ 13:40	Halla Hall B
Hyeonmin Kim	Hyundai Mobis	09_1418	19.(TUE)	11:00 ~ 11:20	Halla Hall B
Hyeonseong Kim	Graduated School of Automobile and Mobility Kookmin University	09_1487	19.(TUE)	14:20 ~ 14:40	Samda Hall
Hyukju Shon	Hanyang University	09_1453	19.(TUE)	14:00 ~ 14:20	Halla Hall B
Hyunchae Jeoung	Ajou University	03_1545	19.(TUE)	13:00 ~ 14:40	Poster Session
Hyungjun kim	Yeoungnam University	02_1521	19.(TUE)	13:00 ~ 14:40	Poster Session
Hyunkyung Roh	Infineon	07_1408	18.(MON)	09:00 ~ 09:20	Halla Hall B
Hyunmin Lee	KOREA AUTOMOTIVE TECHNOLOGY INSTITUTE	07_1518	18.(MON)	16:40 ~ 17:00	Halla Hall B
Hyunsik Song	KATECH	02_1484	19.(TUE)	13:00 ~ 14:40	Poster Session
Hyunwoo Kim	Korea Institute of Industrial Technology	10_1519	19.(TUE)	13:00 ~ 14:40	Poster Session
Hyunwook Kang	Hanyang University	06_1498	19.(TUE)	15:20 ~ 15:40	Halla Hall B
Jaehwan Lee	Hanyang University	06_1552	19.(TUE)	15:40 ~ 16:00	Halla Hall B
Jaemin Lee	SungKyunKwan University	09_1429	19.(TUE)	13:00 ~ 13:20	Samda Hall
Jaemin Song	KOREA AUTOMOTIVE TECHNOLOGY INSTITUTE	07_1497	19.(TUE)	13:00 ~ 14:40	Poster Session
Jaeseung Yu	Gachon University	09_1530	19.(TUE)	15:20 ~ 15:40	Samda Hall
Jaeyoul Ko	KAIST	07_1476	19.(TUE)	13:00 ~ 14:40	Poster Session
Jeongwon Kim	KATECH	06_1500	19.(TUE)	13:00 ~ 14:40	Poster Session
Jihoon Sung	Hanyang University	06_1457	19.(TUE)	09:20 ~ 09:40	Halla Hall A
Jinseok Lee	Hanyang University	06_1409	18.(MON)	11:40 ~ 12:00	Samda Hall
Jinseop Lee	HL Klemove	06_1441	19.(TUE)	13:00 ~ 14:40	Poster Session
Jinsun Lee	Sungkyunkwan University	09_1426	19.(TUE)	11:40 ~ 12:00	Samda Hall
Jinukk Ha	KATECH	03_1394	18.(MON)	10:40 ~ 11:00	Samda Hall
Jinyoung Lee	Hanyang University	07_1449	18.(MON)	10:40 ~ 11:00	Halla Hall B
Jisue Lee	Hanyang University	06_1448	19.(TUE)	09:00 ~ 09:20	Halla Hall A
Jiwon Seok	Hanyang University	06_1550	19.(TUE)	11:40 ~ 12:00	Halla Hall A
Jonghyun Lee	Hanyang University	06_1554	19.(TUE)	13:00 ~ 13:20	Halla Hall A
Jongmin Lee	Hyundai Mobis	06_1503	19.(TUE)	13:20 ~ 13:40	Halla Hall A
Junghoon Park	Hyundai Motor Company	07_1430	19.(TUE)	13:00 ~ 14:40	Poster Session
Jungmo Oh	Mokpo National Maritime University	03_1428	19.(TUE)	13:00 ~ 14:40	Poster Session
Junhee Shin	Seoul National University	06_1399	18.(MON)	11:20 ~ 11:40	Samda Hall
Junyeong Seong	Hanyang University	07_1431	18.(MON)	09:20 ~ 09:40	Halla Hall B

Presenter	Affiliation	Paper Number	Date	Time	Location
Keunsoo Kim	Hyundai Motor Company	07_1433	18.(MON)	09:40 ~ 10:00	Halla Hall B
KHALID HAMARSHEH	American University of Sharjah	05_1479	18.(MON)	11:40 ~ 12:00	Halla Hall A
Kiyeon Kim	Chungnam National University	02_1416	18.(MON)	10:00 ~ 10:20	Halla Hall A
Kyongryol Yoon	Hyundai Motors	01_1393	18.(MON)	15:00 ~ 15:20	Samda Hall
Kyoungmin Kim	Korea Institute of Industrial Technology	02_1515	18.(MON)	15:40 ~ 16:00	Halla Hall A
Kyungdong Kwon	Sungkyunkwan University	09_1514	19.(TUE)	15:00 ~ 15:20	Samda Hall
Kyutaek Han	Hyundai Motor Company	07_1437	18.(MON)	10:00 ~ 10:20	Halla Hall B
Michael May	Fraunhofer EMI	08_1443	19.(TUE)	09:40 ~ 10:00	Samda Hall
Minhyeok Kim	Chungnam National University	02_1528	19.(TUE)	13:00 ~ 14:40	Poster Session
Minseo Jung	Hanyang University	06_1470	19.(TUE)	15:00 ~ 15:20	Halla Hall B
Minseok Jung	Korea Automotive Technology Institute	09_1531	19.(TUE)	13:00 ~ 14:40	Poster Session
Miyoung Lee	Chungnam National university	02_1526	19.(TUE)	13:00 ~ 14:40	Poster Session
Myunghwan Yoon	Korea Electronics Technology Institute	02_1546	19.(TUE)	13:00 ~ 14:40	Poster Session
Namhun Kim	HyundaiKefico	09_1436	18.(MON)	17:00 ~ 17:20	Samda Hall
Quangkhai Pham	Konkuk University	11_1391	18.(MON)	17:00 ~ 17:20	Halla Hall A
Sanghyun Lee	Ajou University	06_1544	19.(TUE)	13:00 ~ 14:40	Poster Session
Sangryuk Lee	Chungnam National University	02_1525	19.(TUE)	13:00 ~ 14:40	Poster Session
Sangwon Han	Hanyang University	07_1467	18.(MON)	11:20 ~ 11:40	Halla Hall B
Sara Hong	Kookmin University	04_1395	19.(TUE)	11:00 ~ 11:20	Samda Hall
Sejeong Lim	SungKyunKwan University	09_1421	19.(TUE)	13:00 ~ 13:20	Halla Hall B
Seonam Jeong	Ajou university	06_1540	19.(TUE)	15:00 ~ 15:20	Halla Hall A
Seonghyeon Lim	Sungkyunkwan University	09_1404	19.(TUE)	10:00 ~ 10:20	Halla Hall B
Seonjung kim	Keimyung University	02_1533	19.(TUE)	13:00 ~ 14:40	Poster Session
Seungchul Kim	Korea Automotive Technology Institute	02_1516	19.(TUE)	13:00 ~ 14:40	Poster Session
SeungJae Kim	Seoul National University	02_1414	18.(MON)	09:40 ~ 10:00	Halla Hall A
Seungwon Choi	Hanyang University	09_1452	19.(TUE)	13:20 ~ 13:40	Samda Hall
Soomok Lee	Ajou University	09_1510	19.(TUE)	13:00 ~ 14:40	Poster Session
Soyeong Kim	Hanyang University	06_1549	19.(TUE)	11:20 ~ 11:40	Halla Hall A
Sungbhin Oh	Sungkyunkwan University	09_1397	19.(TUE)	09:00 ~ 09:20	Halla Hall B
Sunggho Kang	Hanyang University	07_1551	18.(MON)	17:00 ~ 17:20	Halla Hall B
Sungjin Lim	Daegu gyeongbuk institute of science technology	07_1502	18.(MON)	15:20 ~ 15:40	Halla Hall B
Sungjun Park	Hanyang University	06_1415	19.(TUE)	13:40 ~ 14:00	Halla Hall A
Sungkeun Cha	Sungkyunkwan University	09_1400	19.(TUE)	09:40 ~ 10:00	Halla Hall B
Taebin Ha	Chungnam National University	02_1527	19.(TUE)	13:00 ~ 14:40	Poster Session
Teressa Talluri	Korea Institute of Industrial Technology	01_1512	18.(MON)	15:40 ~ 16:00	Samda Hall
TRAN DUY	Chungbuk National University	09_1464	19.(TUE)	15:40 ~ 16:00	Samda Hall
Uzair Sajjad	King Fahd University of Petroleum and Minerals Dhahran Saudi Arabia	02_1505	18.(MON)	15:00 ~ 15:20	Halla Hall A
V Erantha Jayasooriya	Institute of Automotive Engineers Sri Lanka	05_1442	18.(MON)	11:20 ~ 11:40	Halla Hall A
Waegyeong Shin	Korea Automotive Technology Institute	02_1486	19.(TUE)	13:00 ~ 14:40	Poster Session
Yejun Lee	Gachon University	09_1478	19.(TUE)	13:00 ~ 14:40	Poster Session
Yeonggwang Choi	Sungkyunkwan University	09_1424	19.(TUE)	13:40 ~ 14:00	Halla Hall B
Yongho Kim	Hanyang University	02_1539	18.(MON)	16:40 ~ 17:00	Halla Hall A
Yongseong Lee	Kookmin University	09_1532	19.(TUE)	14:00 ~ 14:20	Samda Hall
Yoonhye Jeon	Korea Automotive Technology Institute	06_1477	19.(TUE)	13:00 ~ 14:40	Poster Session
Yoonyoung Ahn	Hanyang University	07_1472	18.(MON)	11:40 ~ 12:00	Halla Hall B
Younghoon Suh	Sungkyunkwan University	09_1419	19.(TUE)	11:20 ~ 11:40	Halla Hall B
Younghun Joung	Ajou University	08_1541	19.(TUE)	10:00 ~ 10:20	Samda Hall
Youngkook Ko	Infineon Technologies AG	09_1420	19.(TUE)	11:40 ~ 12:00	Halla Hall B
youngsoo Do	sungkyunkwan university	09_1398	19.(TUE)	09:20 ~ 09:40	Halla Hall B
Yumin Choi	Ajou University	06_1543	19.(TUE)	15:40 ~ 16:00	Halla Hall A
Yunji Yang	Hyundai Mobis	06_1522	19.(TUE)	13:00 ~ 14:40	Poster Session
Yunseo Kim	Sungkyunkwan University	09_1483	18.(MON)	16:40 ~ 17:00	Samda Hall
Yurim Seo	Hyundai Mobis	06_1509	19.(TUE)	14:20 ~ 14:40	Halla Hall A
Yuseung Na	Hanyang University	06_1548	19.(TUE)	10:00 ~ 10:20	Halla Hall A





### Presentation & File Submission (Pre-view)

Presenters are required to submit their presentation files to the preview room (3F, Room 304) at least 1 hour before their sessions

### Lunch & Coffee

Lunch will be provided in the Fusion Restaurant "Delizia" in 3F, and coffee will be available in the 3F lobby during the coffee break.

### Social Program

Program	Place	Date & Time
Opening Ceremony	Samda Hall	Nov. 18 (Mon) 13:00 ~ 13:20
Welcome Reception	Ocean View	Nov. 18 (Mon) 18:00 ~
Gala Dinner	Tamna Hall B	Nov. 19 (Tue) 18:00 ~

### Poster Sessions

Program	Place	Date & Time
Display	3F	Nov. 19 (Tue) 09:00 ~ 18:00
Presenter Q&A		Nov. 19 (Tue) 13:00 ~ 14:40



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