



SIAT 2026

Technical Papers Schedule

28 – 30th January 2026

SIAT 2026 - TECHNICAL PAPERS SCHEDULE

Date	Session Time in IST	Session No.	Hall no.	Topic Name	Paper Number	Paper Title	Author First Name	Author Last Name	Company Name	Country
Day-1 28.01.2026	Technical Session-I Time -09:45-11:15 am	1	Hall no.1 (Nalanda University)	Simulation & Modelling(1)	2026-26-0365	Virtual Paint Shop: Automotive E-coating Process	Gundavarapu	V S Kumar	TVS Motor Co., Ltd.	India
					2026-26-0372	Use Of Digital Wind Tunnel For Improved Aerodynamic Prediction	Sandeep Kumar	sharma	Tata Technologies.	India
					2026-26-0377	Thermal Management Techniques to Overcome Heating Challenges in Printed Circuit Boards	Rajasekharan	Jayakrishnan	Ashok layland	India
					2026-26-0439	Master Complexity of Version Management in SDM by AI-Driven Assistance	Harsh	Sharma	SCALE GmbH	Germany
Day-1 28.01.2026	Technical Session-I Time -09:45-11:15 am	2	Hall no.2 (VikramShila University)	Testing & Evaluation(1)	2026-26-0513	Evaluation of Methods used to Determine Vehicle Center of Gravity Height	Scott	Zagorski	SEA, Ltd.	United States
					2026-26-0520	Comprehensive Measurement and Evidential Evaluation of Driver Drowsiness and Alertness Warning Systems	Balasubrahmanyam	Chappagadda	ARAI	India
					2026-26-0528	Automated evaluation of drive file simulation accuracy	YASH	SONI	Tata Motors, Ltd.	India
					2026-26-0556	Multi-Band Frequency Approach to Correlate Proving Ground and Road Simulator for an Electric Two-Wheeler	Shubham	Ganju	Ather Energy	India
Day-1 28.01.2026	Technical Session-I Time -09:45-11:15 am	3	Hall no.3 (Valabhi University)	Structural Reliability(1)	2026-26-0487	Failure Analysis of Dissimilar Metal Weld Joint of an Air Spring Bracket within an Automotive Active Seat Suspension System	Patale Jr	Reshma	Uno Minda Limited	India
					2026-26-0488	Investigating Thermal Fatigue Cracks in Exhaust Manifolds of Longitudinally Mounted 1.2L 4-Cylinder Engines	K.S.Gopala	Krishnan	Maruti Suzuki India, Ltd.	India
					2026-26-0496	Accelerating Product Development Life Cycle through Digitalization of Fatigue Life for Structural Components	Sanjay	Kokare	Tata Technologies Ltd., Pune	India
					2026-26-0501	Reliability of Rubber Grommets by Stochastic Analysis of Geometric Tolerances	Eram	Pathan	Mercedes-Benz Research & Development Ind	India
Day-1 28.01.2026	Technical Session-I Time -09:45-11:15 am	4	Hall no.4 (Pushpagiri University)	E-Mobility(1)	2026-26-0147	Advanced SVPWM Techniques for Multi-Level Inverters: Enhancing Performance and Reducing Complexity	Prem Kiritkumar	Bhanabhagwanwala	FEV India Pvt, Ltd.	India
					2026-26-0174	EV Battery Evolution in India: Challenges, Innovation, and Policy Synergy	Jalindar Sukhadev	Thorat	Tata Motors	India
					2026-26-0189	Enhancing EV Battery Safety: Progressive Crushing and Energy Absorption Techniques	Sunil	Amberkar S	Mercedes-Benz Research and Development India Private Limited	India
					2026-26-0192	SEooC-Based Design Framework for Integrated EV Power Conversion Systems under ISO 26262 Compliance	Sreekumar	Uthaman	ARAI	India
Day-1 28.01.2026	Technical Session-I Time -09:45-11:15 am	5	Hall no.5 (Odantapuri University)	Hydrogen Fuel Cell and Hydrogen I. C. Engine(1)	Keynote-33	Carbon Neutral Technologies and Alternative Fuel Outlook for India	Dr. S. S.	Thipse	ARAI	India
					2026-26-0248	Testing Methodology to Calculate the Fuel Economy in Kg/Km of Hydrogen Fuel Cell Electric Vehicle (FCEV) based on Current (Ampere) Method and Pressure Method.	Ashish Rajendra	Joshi	ARAI	India
					2026-26-0249	Numerical study of a hydrogen ejector with regulated inlet for extended PEMFC operating range in automotive application	Ranjit Uttreshwar	Khot	Tata Motors Ltd	India
					2026-26-0259	Waste Heat Recovery evaluation in FCEV truck on different drive-cycles	NAVANEETH	P V	Volvo Group India Pvt, Ltd.	India
					2026-26-0263	Design Optimization of Hydrogen Engine Vanity Cover for PSHA Compliance using CFD leakage analysis	Swati Ashvinkumar	Veerbhadra	Cummins Technologies India Pvt, Ltd.	India
Day-1 28.01.2026	Technical Session-I Time -09:45-11:15 am	6	Hall no.6 (Somapura University)	Noise, Vibration & Harshness(NVH)(1)	2026-26-0312	High-Frequency Dynamic Stiffness Measurements of Automotive Elastomers for Electric Vehicles	Christian	Bohne	m+p international GmbH	GERMANY
					2026-26-0314	Resolution of Automotive Air Compressor Noise in Low Powered ICE vehicle	Vijay Antony	John Britto	Renault Nissan Tech. & Bus Centre India	India
					2026-26-0333	Development of a Systematic Methodology for Identifying and Mitigating Squeak & Rattle Issues in Automotive Seating Systems	Sameer Shrikant	Deole	Mahindra & Mahindra, Ltd.	India
					2026-26-0352	Powertrain Radiated Noise Segregation for Internal Combustion Engines	Kishor	K J	Tata Motors, Ltd	India

Day-1 28.01.2026	Technical Session-I Time -09:45-11:15 am	7	Hall no.7 (Jagadalla University)	Artificial Intelligence in Automobiles(1)	2026-26-0636	Predicting cut-in events using LSTM based techniques	Rohan	Srivastava	Mercedes Benz R&D India Pvt. Ltd	India
					2026-26-0643	Data-Driven Prediction of Global Automotive Trends: Forecasting Fuel Economy and CO ₂ Emissions Using Machine Learning	Sandip	Hazra	Tata Motors Ltd	India
					2026-26-0658	Conceptual Framework for Real-Time Battery Health Estimation in Automotive Digital Twins Using Reinforcement Learning	Rutuja Rahul	Pardeshi	Tata Technologies, Ltd.	India
					2026-26-0668	Ocular-Behavioral Metrics for Driver State Classification for Indian Driving Contexts: KSS-Based Evaluation, Conformance and implementation challenges	Harshal	Verma	ARAI	India
Day-1 28.01.2026	Technical Session-I Time -09:45-11:15 am	8	Hall no.8 (Nagarjunakonda University)	Agriculture Tractors & Construction Equipment Vehicles(1)	2026-26-0102	Identification of productive and non-productive activities in agricultural machinery using ECU and GPS parameters through the application of machine learning techniques	Devi prasad	Maharana	John Deere India Pvt Ltd	India
					2026-26-0103	Agricultural tractor brake linkage efficiency prediction and correlation using Flexible Multibody Dynamics model	Prasanna Balaji	Subbaiyan	Mahindra & Mahindra Ltd	India
					2026-26-0142	Improving Cold Start and Transient Performance of Medium BMEP CEV Stage V Engines at Low Ambient Temperature and Pressure	Harshit	Saxena	Kirloskar Oil Engines, Ltd.	India
					2026-26-0143	A comprehensive strategy for Diesel Particulate Filter calibration to address the diverse applications of Stage V Construction Equipment Vehicles	Subham	Mohanty	Robert Bosch India, Ltd.	India
					2026-26-0140	Mobility Within Mines: Harmonization of Safety requirements for Underground Mining Trucks in India.	Babar	Sagar	ARAI	India
Day-1 28.01.2026	Technical Session-II Time -11.30-13:00	9	Hall no.1 (Nalanda University)	Simulation & Modelling(2)	Keynote-1	Insights into Applications of Regression-Based Modelling and Machine Learning in Vehicle Design	Prof Deb	Aniindnya	IISC Bangalore	India
					2026-26-0367	Johnson-Cook model calibration for brittle materials under impact loads	Pratap	Rajat	Tata Motors Limited	India
					2026-26-0391	Incorporation of strain hardening and sheet thinning effects during forming process for an accurate prediction of buckling loads on sheet metal axle parts	Govind	R B	Mercedes-Benz R & D India Pvt Ltd	India
					2026-26-0457	Advancing Welding Excellence through Numerical Simulation Based Approach: A Multi Pass Welding Case Study on Cast Iron Coupons	Digambar	Vidhate	Cummins Technologies India Pvt. Ltd.	India
					Keynote-2	CIS – Economic efficiency meets high-frequency sled testing	Mr Christian	Salm	MESSRIN	Germany
Day-1 28.01.2026	Technical Session-II Time -11.30-13:00	10	Hall no.2 (VikramShila University)	Testing & Evaluation(2)	2026-26-0516	HIL Simulation of Power Electronics Switching Circuit for Automotive Software Application	Vikaskumar	Yadav	Eaton India Innovation Center	India
					2026-26-0540	Hardware in loop validation of Gear Selection switch	Bhuyan	Anurag	Tata motors Ltd	India
					2026-26-0568	Integrated Quality Assurance Frameworks for Testing Advanced Automotive Systems in the Era of ADAS and E-Mobility	ARUN SRINIVAS	KOMANDURI	TATATECHNOLOGIES	India
					2026-26-0580	Testing and Validation of Future Mobility Vehicles using Realistic Digital Twin of Road Corridors and Tires	Joshi	Omkar Prakash	ARAI	India
					Keynote-3	Advances in virtualization of automotive powertrain design	Mr Milind	Kulkarni	AAM	India
Day-1 28.01.2026	Technical Session-II Time -11.30-13:00	11	Hall no.3 (Valabhi University)	Structural Reliability(2)	2026-26-0486	Optimization of the Rodip CED Process Suitability through Strategic Fixture System for Enhanced Hood Gap and Flushness Control in Automotive Manufacturing	Vikrant	Tile	Mahindra & Mahindra Ltd.	India
					2026-26-0497	Comprehensive Evaluation of Bolster Behavior: Field Data Insights for Design Modifications	Yogesh	Dhage	ARAI	India
					2026-26-0500	Design and Validation of a Collapsible Brake Pedal System for Lower-Leg Protection in Frontal Impacts	Rahul R.	Shetti	Tata Motors Ltd	India
					Keynote-4	Innovative Fluids for NextGen Mobility	Dr. julien	Plet	Motul	SA
Day-1 28.01.2026	Technical Session-II Time -11.30-13:00	12	Hall no.4 (Pushpagiri University)	E-Mobility(2)	2026-26-0160	Totem-Pole PFC and LLC resonant converter based 6.6kW On-Board Charger for LEV Applications	Amruta	Patil	Forvia Hella India Automotive Pvt Ltd.	India
					2026-26-0178	Modeling and Analysis of Transient Behavior of Surge Protective Devices in Electric Vehicle Charging Systems	KUMAR PREM CHANDRA	CHANCHAL	Tata Motors, Ltd.	India
					2026-26-0206	Comparative Analysis of Charger Identification Methods in Electric Truck Routing Algorithms	Rakshita	Kolakar	Daimler Trucks Innovation Center India P	India

Day-1 28.01.2026	Technical Session-II Time -11.30-13:00	13	Hall no.5 (Odantapuri University)	Hydrogen Fuel Cell and Hydrogen I. C. Engine(2)	Keynote-5	Harnessing the Power of Hydrogen: Dual Fuel, Hydrogen Blends, and Dedicated Hydrogen IC Engines for Sustainable Power Generation	Dr. Krishna	Lakshminarasimha n	KOEL	India
					2026-26-0250	Comparative study of hydrogen internal combustion engine performance for port fuel injected and direct injected technology routes using 1d simulation	Varun	Parthiban R	Ashok Leyland Ltd	India
					2026-26-0260	Development of an oxy-hydrogen engine for power generation application using simulation and experiment	Akshey	Marwaha PhD	Kirloskar Oil Engines Limited	India
					2026-26-0268	Performance and Emission Characteristics of a Lean-Boosted Direct Injection Hydrogen Combustion System for Retrofitting Heavy Duty Diesel Engines.	Davide	Gessaroli	DUMAREY Automotive Italia S.p.A.	Italy
Day-1 28.01.2026	Technical Session-II Time -11.30-13:00	14	Hall no.6 (Somapura University)	Noise, Vibration & Harshness(NVH)(2)	Keynote-6	Exterior Sound, Matching Safety and Environment - The challenge to be a quiet but audible vehicle	Hans-Martin	Gerhard	OICA	
					2026-26-0317	An analysis of material damping characteristics: A comparison of Oberst Bar Method and Center Impedance Method and their relationship to Component Level.	Prashant Prakash	Kamble	ARAI	India
					2026-26-0348	Propeller Shaft Yoke Phase and Inclination angle Optimization in Passenger Vehicles through Analytical Method	Sarvesh	Kumar	Mahindra & Mahindra Ltd.	India
					2026-26-0430	Use of Statistical Energy Analysis to predict Articulation Index (AI) in a vehicle interior for real- world operating scenarios.	Vishwajit Padmakar	Doijad	Tata Motors Passenger Vehicles Limited	India
Day-1 28.01.2026	Technical Session-II Time -11.30-13:00	15	Hall no.7 (Jagadalla University)	Intelligent Transportation Systems(ITS) & Mass Mobility Systems(1)	Keynote-7	Certifiable AI for ADAS and Autonomous Driving	Dr. Le Minh Huu		Vinfast	
					2026-26-0271	Integrating V2V and V2I Communications for Enhanced Traffic Safety and Efficiency in Connected Vehicular Networks	COLIN AUBREY	PINTO	ARAI	India
					2026-26-0274	Vehicle-to-Vehicle negotiation via Manoeuvre Coordination Messages for Cooperative Cut-In scenarios	Gisela	Leiva Ricart	Applus+ IDIADA	Spain
					2026-26-0360	Revolutionizing Mass Mobility: Sustainable, Safe, and Smart Transport Ecosystems	M	Vasudevan	Switch Mobility	India
Day-1 28.01.2026	Technical Session-II Time -11.30-13:00	16	Hall no.8 (Nagarjunakonda University)	Harmonization of Regulation(1)	Keynote-8	Harmonisation of Standards and Regulations : Strategic Frameworks as Catalysts for Global Growth	Mr P K	Banerjee	SIAM	India
					2026-26-0241	Implementation of new educational technologies for training personnel for the transport industry	Sergei	SHISHANOV	FSUE NAMI	Russian Federation
					2026-26-0243	Regulatory Divergence in Autonomous Vehicle DeploymentA Comparative Study of the US, EU, and China	Carlos	Lujan Tutasus	Applus Idiada	Spain
					2026-26-0246	"Automotive Cybersecurity: Regulatory Landscape, Type Approval, and the Road Ahead"	Pratik	Nayak	ARAI	India
					2026-26-0247	Road Accident Data Reports: A Comparative Analysis of India with USA, France, and UK	Aswin	Raj	Volvo Group India Private Limited	India
Day-1 28.01.2026	Technical Session-III Time -17.00-18:30	17	Hall no.1 (Nalanda University)	Simulation & Modelling(3)	2026-26-0390	Q-Series Child Dummy FE model development and validation for child occupant safety assessment in Automotive crashes	Maria	Khokekar	Humanetics Innovative Solutions Inc.	India
					2026-26-0413	Side Crash Pressure Sensor response Prediction: CPM approach	Milind	Bhagat	Tata Motors Ltd	India
					2026-26-0451	Conceptual Crash Analysis in Automotive Applications with Reduced Computational Effort	Anand	Malipatil	Mercedes-Benz AG	Germany
					2026-26-0462	Influence of Impact Configuration on Rear Compartment Intrusion and Structural Countermeasures	Chandrashekha r	Thorbole	Thorbole Simulation Technologies LL	United States
Day-1 28.01.2026	Technical Session-III Time -17.00-18:30	18	Hall no.2 (VikramShila University)	Testing & Evaluation+ Tire technology (3)	2026-26-0539	Improvement study of Steel wheel durability in Multiple pothole impacts	LakshmiPathy	DEsigan	Mahindra & Mahindra, Ltd.	India
					2026-26-0578	Evaluating Passenger Car Tyre Performance: Lateral and Longitudinal Dynamics in Varied Testing Conditions	Arjun	Sethumadhavan	HASETRI	India
					2026-26-0602	First in the Industry 8.5 Ton GVW on Four Tyre Truck with 245/90R16 Tyre – A Global First	Dhondiram Dnyandeo	Pawar	Tata Motors, Ltd.	India
					2026-26-0606	"Parametric Evaluation of Rolling Resistance in Bias & Radial Tyres and influence of key operational parameters under varying conditions."	Amol	Joshi	ARAI	India

Day-1 28.01.2026	Technical Session-III Time -17.00-18:30	19	Hall no.3 (Valabhi University)	Digital Twin Technology(1)	2026-26-0394	Vehicle usage Digital Twins - Mobility analysis test case	Rubio	Arturo	Applus IDIADA Group	Spain
					2026-26-0418	A Digital Twin Framework for Real-Time Optimization of Solar-Integrated Energy Systems	Akash	R	Altair Engineering India Pvt Ltd	India
					2026-26-0445	AI-Driven Digital Twin for Enhanced Suspension Assembly Testing in Automotive Vehicles	Pravinkumar	Sonavane	Tata Technologies Limited.	India
					2026-26-0480	Development of a HIL Based Methodology for Over-The-Air Updates Validation	Shivani	Khare	ARAI	India
Day-1 28.01.2026	Technical Session-III Time -17.00-18:30	20	Hall no.4 (Pushpagiri University)	E-Mobility(3)	2026-26-0162	Lithium-ion Battery's State of Health Prediction: A Deep Learning Framework	Chaitanya Balasaheb	Suryawanshi	Varroc Engineering, Ltd.	India
					2026-26-0163	Drive Cycle Based Energy Audit & Range Estimation for 4X2 Electric Truck	Jothikumar	A	Ashok Layland	India
					2026-26-0186	Steel-based Laminates for Lithium-ion Pouch Cell of Electric Vehicles	Pundan Kumar	Singh	Tata Steel Limited	India
					2026-26-0187	Revolutionizing Urban Mobility in India: The Emergence of the 2-3 Wheel Combi Vehicle and the L2-5 Regulatory Framework.	Feroz	Ali Khan	Hero MotoCorp Ltd.	India
Day-1 28.01.2026	Technical Session-III Time -17.00-18:30	21	Hall no.5 (Odantapuri University)	Advanced Powertrain Technology(1)	2026-26-0055	Integrated Powertrain Domain Controller Using Wide Band Gap Devices For EV Applications	Mayank	Kumar	TATA Motors Limited	India
					2026-26-0062	A Method to Improve the System Efficiency of an Electronic Drive Unit: Variable Switching Frequency-Loss Optimization	Gururaj	BANDA	Senior Software Controls Engineer	India
					2026-26-0069	Thermal Management Control strategy for Primary & Secondary Drive Cooling Hybrid Electric Tractor	Sunil	K	Mahindra & Mahindra, Ltd.	India
					2026-26-0077	Hybrid Topology Selection & Optimization of a Compact SUV to Meet Future CO2 Norms – an Indian Case Study	Pawan	Warkhede	FEV India Pvt Ltd	India
Day-1 28.01.2026	Technical Session-III Time -17.00-18:30	22	Hall no.6 (Somapura University)	Noise, Vibration & Harshness(NVH)(3)	2026-26-0309	Experimental Frequency-Based Substructuring for Full-Vehicle NVH Characterization in Electric Vehicles	Dr. Dennis	de Klerk	Vibes Technology BV	Germany
					2026-26-0327	Dual-Stage Compressor Bracket NVH Optimization for High-Performance 4x4 Electric Vehicles	Sandip	Hazra	Tata Motors Ltd	India
					2026-26-0337	Refinement of Road Induced Steering Wheel Vibration in Electric Vehicle	Nataraja Moorthy	S	Mahindra Mahindra Chengalpattu	India
					2026-26-0353	Acoustic Challenges in Electric Vehicles: A Comparative Study of HVAC Noise in EVs and ICE Vehicles	Subhashree	Patra	Maruti Suzuki India Ltd	India
Day-1 28.01.2026	Technical Session-III Time -17.00-18:30	23	Hall no.7 (Jagadalla University)	Artificial Intelligence in Automobiles(2)	2026-26-0633	AI-Driven Stress and Fatigue Life Prediction of Engine Connecting Rods using Geometric Deep Learning	Mohammed Shakil	Pathan	Mahindra and Mahindra	India
					2026-26-0639	Next-Gen Driver Health and Wellness Platform for Fatigue Detection and Emotional Wellbeing Monitoring	Shoaib	Iqbal	Tata Motors Passenger Vehicle Ltd., Pune	India
					2026-26-0665	Machine learning model to predict Chest Injury during Thorax Impact on Human Body Models	Sridhar	Raam	Humanetics Innovative Solutions Inc.	India
					2026-26-0674	Generative AI based methodology for Road Profile Mix Creation	Dinesh Kumar	Rajappan	Ashok Leyland, Ltd.	India
Day-1 28.01.2026	Technical Session-III Time -17.00-18:30	24	Hall no.8 (Nagarjunakonda University)	Advanced Vehicle Dynamics & Vehicular Technology(1)	2026-26-0084	A study of Electric motor configuration for Multi Axle Electric Heavy Duty Commercial Truck Application to attain maximum potential of Torque vectoring	Pranjal	Agarwal	FEV India Pvt Ltd	India
					2026-26-0087	Sudden Loss of Steering Assist Simulation Methodology Development and Validation	Manasa	Vishweshwara	Mercedes Benz Research and Development India Pvt. Ltd.	India
					2026-26-0093	Development of a High-Fidelity Vehicle Dynamics Model with Rear-Wheel Active Roll Control for Improved Stability	Dinesh	Duraikannu	TVS Motor Co., Ltd.	India
					2026-26-0095	Simulation-Driven Load Spectrum Prediction_Virtual RLDA for Chassis and Suspension System	Naga Aswani Kumar	Goli	Tata Motors Limited	India
Day-2 29.01.2026	Technical Session-IV Time -09.00-10:30	25	Hall no.1 (Nalanda University)	Simulation & Modelling(4)	2026-26-0386	Data-Driven Modeling for Hydrogen ICE Emission Prediction and ATS Performance Benchmarking	Manoj Kumar	S	Bosch Limited, India	India
					2026-26-0393	Numerical Investigation of Cowl Water Drainage in Automotive Design	Ronnie	Mathew	Mercedes-Benz R&D India Pvt Ltd	India
					2026-26-0402	Optimizing Diesel Engine Performance through Parametric Study of Fuel Injector Configurations for Enhanced Sustainability	Akhil	Ailaboina	Kirloskar Oil Engines, Ltd.	India
					2026-26-0429	Optimization of a Positive Displacement Type Supercharger Using Response Surface Modeling (RSM)	Santosh Dadasaheb	Satre	TAFE MOTORS AND TRACTORS LTD	India

Day-2 29.01.2026	Technical Session-IV Time -09:00-10:30	26	Hall no.2 (VikramShila University)	Testing & Evaluation(4)	2026-26-0074	Feasibility Study of Cylinder Deactivation (CDA) Technology for an Off-Highway Tractor Engine	Vasu	Choudhary	Tafe Motors and Tractors Limited	India
					2026-26-0529	Exploring advanced additive chemistry for achieving fuel economy in passenger car motor oils	Dr Shiv Kumar	Vabbina	R&D Centre, Indian Oil Corp., Ltd.	India
					2026-26-0558	Experimental approach to investigate VVT malfunction in SI gasoline engine.	Ankur	Jha	Maruti Suzuki India Ltd	India
					2026-26-0565	Effect of E20 Fuel on Small Commercial Vehicle Powered of Twin Cylinder Gasoline engine	Deepak	Kulkarni	Tata Motors Ltd	India
Day-2 29.01.2026	Technical Session-IV Time -09:00-10:30	27	Hall no.3 (Valabhi University)	Active and Passive Safety(1)	2026-26-0006	Enhancing Pedestrian Safety: LiDAR-Based Deployment of Front LID/Bonnet and Airbag Systems in Heavy Commercial Vehicles During Low-Speed collisions.	Uday	Patil	Volvo Group India Private Ltd	India
					2026-26-0015	Adaptive Restraints for Equitable protection.	Anshul	satija	Tata Technologies Ltd	India
					2026-26-0023	Jerk evaluation criteria for pedestrian head impact on Windshield and technological requirement to meet the criteria	Ritik	Kumar	SKODA Auto Volkswagen India Pvt, Ltd.	India
					2026-26-0029	Crash Pulse Characterization for the Passenger Vehicle Fleet in India.	Satish	Mishra	ARAI	India
Day-2 29.01.2026	Technical Session-IV Time -09:00-10:30	28	Hall no.4 (Pushpagiri University)	E-Mobility(4)	Keynote-9	EV Battery Regulation: India perspective	Abhijit	Mulay	ARAI	India
					2026-26-0148	Performance Evaluation of Battery Pack With E-Rickshaw on Chassis Dynamometer by Using In-House Developed Driving Cycle	Shyamsher	Saroj	Indian Oil Corporation	India
					2026-26-0167	Innovative Preconditioning Solutions for Efficient High-Current Battery Charging	Pankaj Ravindra	Badgujar	Tata Motors Ltd	India
					2026-26-0208	State of Health Estimation in Lithium-Ion Batteries: Methods, Comparisons, and Future Directions	Ayush	Bhagat	Hella India Automotive Private Limited	India
Day-2 29.01.2026	Technical Session-IV Time -09:00-10:30	29	Hall no.5 (Odantapuri University)	Hydrogen Fuel Cell and Hydrogen I. C. Engine+ Alt Fuel(3)	Keynote-10	Multi Fuel Pathways for Achieving Net Zero – Emerging Technologies	Abhay	Kumar	Bajaj	India
					2026-26-0112	Controls Solutions for Commercial Hydrogen Engines	Arnberger Anton	Anton	AVL LIST GmbH	Austria
					2026-26-0251	Combustion dynamics and performance optimisation using higher HCNG blends for decarbonising the Gas Genset sector	Debjyoti	Bandyopadhyay	ARAI	India
					2026-26-0257	Mathematical Modeling and Genetic Algorithm-Based Energy Management in Hydrogen PEM Fuel Cell Electric Vehicles	Rakesh Vilasrao	Mulik	VIT University	India
Day-2 29.01.2026	Technical Session-IV Time -09:00-10:30	30	Hall no.6 (Somapura University)	Noise, Vibration & Harshness(NVH)(4)	2026-26-0315	Structural and Micro-Geometry Optimization of an Electric drive unit for Whine Noise Reduction	Shreyas	Baviskar	FEV India Pvt Ltd	India
					2026-26-0322	Evaluation of driveline NVH performance using linear dynamic finite element simulation	ATUL KAMALAKARRAO	JOSHI	Stellantis Engineering India Pvt, Ltd.	India
					2026-26-0328	Strategic Design of Intake Systems for Crafting a Sporty Acoustic Signature in Passenger Vehicles	Umesh Audumbar	Sadekar	Tata Motors, Ltd.	India
					2026-26-0345	A practical approach to reduce Gear Whine noise through gear Tooth contact analysis in an Agricultural Tractor	Bharath	P	Mahindra & Mahindra Ltd	India
Day-2 29.01.2026	Technical Session-IV Time -09:00-10:30	31	Hall no.7 (Jagadalla University)	Advanced Driver Assistance Systems(ADAS) & Autonomous Vehicles(1)	Keynote-11	topic to be confirmed	Gaurav	Mishra	Maruti	India
					2026-26-0044	Reducing Risk in Safety Critical Systems through Early Safety Case Development and Dialectic Arguments	Amrendra	Kumar	3S Knowledge	India
					2026-26-0133	Towards AI-Driven Automated Driving Systems: Homologation perspective	Carlos	Lujan Tutasus	Applus Idiada	Spain
					2026-26-0136	Integration and Proving Ground Evaluation of a Connected Highway Pilot System	Bernat	Domingo Mateu	Applus+ IDIADA	Spain
					2026-26-0138	Realistic LiDAR Data Simulation for Autonomous Systems using Physics-Informed Learning	Vivek	Anand	IIT Kanpur	India
Day-2 29.01.2026	Technical Session-IV Time -09:00-10:30	32	Hall no.8 (Nagarjunakonda University)	Advanced Vehicle Dynamics & Vehicular Technology(2)	2026-26-0086	Advance techniques to optimize Variable Gear Ratio steering for high Centre of Gravity vehicles.	Pratik	Rewale	Mahindra & Mahindra, Ltd.	India
					2026-26-0590	Torque Vectoring Control Techniques for Vehicle Parking	Vikas Shridhar	Gangad	FEV India Pvt Ltd	India
					2026-26-0593	Smart Charge Port Housing with Integrated Single Shaft Self-Locking Mechanism for Electric Vehicles	Sanjay	Mohunta	Tata Motors Passenger Vehicles Ltd.	India
					2026-26-0599	A Comprehensive Review of Si vs. LTPS Displays: Automotive Industry Trends, Design, Non-Idealities, and Failure Analysis	Debarghya	Sinha Roy	Mercedes Benz R&D India Pvt. Ltd	India

					Keynote-12	Inventing the Future: How System Simulations, AI and Digital Twins Drive Sustainable Mobility	Ramnik	Singh	Gamma Technology	India
Day-2 29.01.2026	Technical Session-V Time -11:00-13:00	33	Hall no.1 (Nalanda University)	Simulation & Modelling(5)	2026-26-0384	Wetting prediction of power train components under the influence moving components using smooth particle hydrodynamics	Sarthak	Shukrey	Mercedes Benz R & D India	India
					2026-26-0399	System-Level Simulation to Design a Hydrogen Powered Refuse Collection Vehicle Based on Real-World Fleet Operational Data	Daniela	de-Lima	Applus + Idiada Spain	Spain
					2026-26-0401	Simulation Driven Virtual Road Load and Accelerated Duty Cycle Generation for 3-Speed eAxe Systems	PRATIK	LIGADE	Tata Motors Ltd	India
					2026-26-0466	Multi-Model Analysis of O-Ring Compression and Relaxation Force Predictions Using Machine Learning and CAE Simulations	Durgaprasad	Kosgi	ZF India Pvt, Ltd.	India
					Keynote-13	New Age Indian Mobility: Safe, Smart and Sustainable	Mr Akash	Passey	ZF	
Day-2 29.01.2026	Technical Session-V Time -11:00-13:00	34	Hall no.2 (VikramShila University)	Testing & Evaluation(5)	2026-26-0508	Modelling and Analysis of Hypoid Gear Churning Loss in Rear Drive Axle: The Role of Oil Viscosity and Empirical Parameters	Aliya Javid	Khan	Mahindra Research Valley	India
					2026-26-0525	A systematic debugging methodology for identifying electric vehicle level EMC issues.	Gokul	M	ARAI	India
					2026-26-0532	Gear Shift Validation of Multi Speed EV transmission on Test Bench using Vehicle Control Unit	Prashanth	Thambala	Tata Motors Ltd	India
					2026-26-0563	Analysis of Electromagnetic radiation in automotive wiring harness	Manuelraj	Masilamani	Ashok Layland	India
					Keynote-14	From Data to Insights - Digital Strategies for Automotive Safety	Mr Karsten	Newbury	Humanitics Digital	
Day-2 29.01.2026	Technical Session-V Time -11:00-13:00	35	Hall no.3 (Valabhi University)	Active and Passive Safety(2)	2026-26-0014	Leveraging road accident database to enhance ADAS features and testing protocols in context of Indian driving conditions	Mayur	Adhikari	ARAI	India
					2026-26-0024	Comparison of Bharat NCAP Crash test scenarios with real road accidents in India	Joerg	Moennich	Robert Bosch GmbH	Germany
					2026-26-0031	Safer Trucks for India-Smart Tech Fusion	Kedar Shrikant	Joshi	Tata Motors, Ltd.	India
					2026-26-0693	Analysis of pedestrian accidents in India	Ashim	Howlader	Maruti Suzuki India, Ltd.	India
					Keynote-15	Proven Reliability of TotalEnergies Immersion Cooling Technology in Application	Mr. Niranjan	Edappady	Total Energies	
Day-2 29.01.2026	Technical Session-V Time -11:00-13:00	36	Hall no.4 (Pushpagiri University)	E-Mobility(5)	2026-26-0152	Virtual Prototyping: Accelerating Traction Motor Development for Commercial Electric Vehicles	V. Shirish	Murty	Tata Motors, Ltd.	India
					2026-26-0161	An In-Depth Exploration of the Evolution and Global Adoption of Electric Motors in New Energy Vehicles	ASHISH	SINGH	AVL Technical Centre Pvt Ltd	India
					2026-26-0170	DC Link Capacitor Size Reduction Using Phase-Shifted PWM Techniques for Pole Phase Modulated Induction Machine Drive	Rajeshwari	A	DTICI	India
					2026-26-0175	Parameterizing External Factors Influencing E-motor Consumption	Kshitij	Kelkar	Mercedes-Benz R&D India Pvt Ltd	India
					Keynote-16	Passenger Car Propulsion System in a Sustainable World – Globally and in India	Dr. Norbert	Alt	FEV	
Day-2 29.01.2026	Technical Session-V Time -11:00-13:00	37	Hall no.5 (Odantapuri University)	Advanced Powertrain Technology(2)	2026-26-0059	Strategic & Frugal technology approach meet the stringent CPCB-IV+ Emission norms	Vasundhara	Arde	Cooper Corporation Pvt, Ltd.	India
					2026-26-0061	Optimizing Diesel Emission Controls through Advanced Software techniques to improve Diesel Oxidation Catalysts efficiency	Sabareeswaran	K	Albonair India Pvt, Ltd.	India
					2026-26-0210	Calibration strategies to overcome the Challenges for Naturally Aspirated Off-Highway Engines for Trem-V emissions	Madhavi	Patil	Robert Bosch Engg & Bus Solutions Ltd	India
					2026-26-0071	All New 1.2L Turbocharged Gasoline Direct Injection Engine from Tata Motors	Viswanatha	Hosur	Tata Motors Ltd	India

Day-2 29.01.2026	Technical Session-V Time -11:00-13:00	38	Hall no.6 (Somapura University)	Noise, Vibration & Harshness(NVH)(5)	Keynote-17	Evolving Test Engineering Processes and Technologies for BSR and NVH Applications	Mr Richard	McCormic	MB Dynamics	
					2026-26-0316	NVH Refinement on the Agriculture Tractor using Coupled Test and Simulation Approach	Harshal	Bankar	ARAI	India
					2026-26-0331	Automotive Body Structures' Section and Joint Enhancement towards NVH performance	Viveesh	Senthilkumar	Mahindra & Mahindra Ltd	India
					2026-26-0347	Contradictions of Automotive NVH with other Vehicle Performance and TRIZ tools for Innovative problem solving	Milind Ambardekar	A	Specialist Noise Vibration Harshness Ref	India
					2026-26-0357	Assessment and Auralization of Cabin Noise from AVAS Operation in an Electric Vehicle Using a Hybrid BEM-SEA Methodology	Massimiliano	Calloni	ESI Key sight	Czech Republic
Day-2 29.01.2026	Technical Session-V Time -11:00-13:00	39	Hall no.7 (Jagadalla University)	Artificial Intelligence in Automobiles(3)	Keynote-18	Artificial Intelligence in Automobile	Mr Arvind	Doss	Stellantis	
					2026-26-0650	Real-time Helmet Detection and Closed-Loop Enforcement System for Two-Wheelers	Kandimalla Om	Mahalakshmi	ARAI	India
					2026-26-0657	Indian City Electric Bus Powertrain Optimization Using Active Learning Simulation Methodology	Rouble	Sandhu	FEV India Pvt Ltd	India
					2026-26-0659	A Mathematical Modelling Approach Based on Artificial Neural Network for Estimation of Key Parameters in Internal Combustion Engine	Sanket	Shejwal	Daimler Trucks Innovation Center India P	India
					2026-26-0660	Transforming Headlamp Levelling Compliance Testing Through AI-Powered Predictive Modelling	Prince	Mandloi	Tata Motors Passenger Vehicles Ltd, Pune	India
Day-2 29.01.2026	Technical Session-V Time -11:00-13:00	40	Hall no.8 (Nagarjunakonda University)	Software Defined Vehicles(1)	Keynote-19	Software-Defined Vehicles: Aspiration or Reality? Why the Industry today needs SDV LITE	Dr. Manaswini	Rath	KPIT	India
					2026-26-0677	Monitoring and Diagnosing Software-Defined Vehicle Architectures	Boris	Böhlen	DSA Daten- und Systemtechnik Aachen GmbH	Germany
					2026-26-0685	Accelerating EV Thermal Controls Development: A Rapid controls prototyping framework using Speedgoat	Abhijeet	Chothave	Mahindra	India
					2026-26-0688	Powering the Future: Addressing Power Architecture Bottlenecks in Next Gen Automotive Platforms	Akash	Borole	Tata Motors Ltd.	India
					2026-26-0692	Comparative Analysis and Implementation of data streaming methodologies for Vehicle Navigation Mode for Electric Trucks	Prabhjot	Kaur	Daimler Trucks Innovation Center India P	India
Day-2 29.01.2026	Technical Session-VI Time -16:30-18:30	41	Hall no.1 (Nalanda University)	Simulation & Modelling(6)	Keynote-20	MODSIM for left shift of the Vehicle Development Program Timeline	Mr Sripad	Tokekar	3ds	
					2026-26-0366	Accurate Component Load Prediction with Hybrid Test – FEA Approach.	Rajat	Pratap	Tata Motors, Ltd.	India
					2026-26-0423	Simulation Research on Torque Vectoring, Braking, Chassis control Strategies for Electric & hybrid Vehicles using System Simulation	Patrickxavier	Eruva	Renault Nissan Tech & Bus Centre India	India
					2026-26-0427	Thermal System design of Inter-City Fuel Cell Electric Bus	Vignesh	M S	Ashok Leyland Technical Center	India
					2026-26-0482	Enhanced Methodologies for predicting Automotive Wheel Bearing life and damage using RLDA	Vishwanath	Narendra	Mahindra & Mahindra, Ltd.	India
Day-2 29.01.2026	Technical Session-VI Time -16:30-18:30	42	Hall no.2 (VikramShila University)	Testing & Evaluation(6)	Keynote-21	topic to be confirmed	Dr Ansgar	Druke	Enorise	
					2026-26-0510	Streamlined Methodology for E-Motor Performance Evaluation using a configurable Universal Inverter	Abhishek	Ravi	AVL LIST GmbH	Austria
					2026-26-0521	Enhancing Stellantis Jeep Wagoneer BEV Range Estimation Accuracy: Investigating Discrepancies Between Simulation and Actual Testing	mahajan	prasad	stellantis	India
					2026-26-0572	Tractor clutch Simulation by in house development	D	Yashwanth	Mahindra & Mahindra	India
					2026-26-0576	Condition-Based Monitoring for Prompt Identification of Component Failures to Safeguard the Entire System.	Gaurav	Gupta	Maruti Suzuki India Ltd	India

Day-2 29.01.2026	Technical Session-VI Time -16:30-18:30	43	Hall no.3 (Valabhi University)	Active and Passive Safety(3)	Keynote-22	Active Safety- Development of India specific dummies	Mr Martin	Fritz	4A	
					2026-26-0010	Chest Deflection mapping between HBM Connect® 50M and virtual ATD models	Gopinath	Velmurugan	Humanetics Group, India	India
					2026-26-0016	Addressing Safety Belt Discomfort Among Female Driving Population Through Data Collection and Simulation	Nachiket A	Kulkarni	ARAI	India
					2026-26-0019	Integrated Evaluation of Pre-Crash Braking and Crash Injury Outcomes Using Human Body Models and ATDs	Chaitanya Sagar	Pendurthi	Tata Motors Limited	India
					2026-26-0033	Packaging the HPTS Airbag in a Second-row bench seat	Rajat	Buradkar	Mahindra & Mahindra, Ltd.	India
Day-2 29.01.2026	Technical Session-VI Time -16:30-18:30	44	Hall no.4 (Pushpagiri University)	E-Mobility(6)	Keynote-23	OCPP Protocol and it's penetration worldwide	Ms Lonneke	Driessen	Open Charge Aliance	
					2026-26-0150	Reverse Engineering of CAN (Controller Area network) of an Electric vehicle	ROHIT	KUMAR	FEV India Pvt, Ltd.	India
					2026-26-0164	Advancing Sustainable Mobility: Transitioning to Zero-Emission Electric Vehicles with BEVs and FCVs	Dr. Vijay Bhooshan	Kumar	Ashok Leyland	India
					2026-26-0172	Improve the electric vehicle range by using the climate control setting in economy mode at hot climatic conditions	Sarveshwar Reddy	Mulamalla	Mahindra & Mahindra, Ltd.	India
					2026-26-0183	State of Health Estimation Based on Dynamic Cell Behaviour in Evs	Ashish	Nikam	Tata Motors, Ltd.	India
Day-2 29.01.2026	Technical Session-VI Time -16:30-18:30	45	Hall no.5 (Odantapuri University)	Hydrogen Fuel Cell and Hydrogen I. C. Engine+ Alt Fuel(4)	Keynote-24	Lubricants for Alternative Fuels - Hydrogen IC Engine	Pierre	Chapelot	Total Energies	
					2026-26-0117	Development of Flex fuel Vehicle for Indian Market	Sethuramalingam	Tyagarajan	Tata Motors, Ltd.	India
					2026-26-0118	Navigating Towards a Sustainable Future: India's Automotive Sector and the Path to Net Zero Emissions	Vivek	Seshan	Aramco	Saudi Arabia
					2026-26-0121	Development of high BMEP natural gas engine with knock mitigation	Omkar	Khaladkar	Kirloskar Oil Engines, Ltd.	India
					2026-26-0127	Replacing diesel engines with CNG engines – impact on emissions, based on chassis dynamometer tests of medium and heavy-duty buses	Suresh	Iyer	The Pennsylvania State University	United States
					2026-26-0129	Material Compatibility Studies of Ethanol Blended Diesel	Justin P	Johnpeter	Indian Oil Corporation	India
Day-2 29.01.2026	Technical Session-VI Time -16:30-18:30	46	Hall no.6 (Somapura University)	Noise, Vibration & Harshness(NVH)(6)	Keynote-25	Comfort and sustainability	Ciro	Gaudino	Autoneum	
					2026-26-0330	Development of a GUI-Based Pitch Sequence Optimization Tool for Tyre Noise Reduction	Lakshmi	Sampathraghavan	JK Tyre and Industries, Ltd.,IIT Madras	India
					2026-26-0339	Analysis of Door Seal Compression and its Influence on NVH Performance in Heavy-Duty Vehicle	Kavya	L	Volvo Group India Private Ltd	India
					2026-26-0341	Optimized Panel Design for Reducing Seal Squeak and Chacking in Door & Body Seals	RAVISHANKAR	H	Mahindra & Mahindra Ltd	India
					2026-26-0351	Investigation of Low Frequency Interior Noise due to Tyre-Road Interaction	Jaiganesh	Subbian	Apollo Tyres, Ltd.	India
Day-2 29.01.2026	Technical Session-VI Time -16:30-18:30	47	Hall no.7 (Jagadalla University)	Advanced Driver Assistance Systems(ADAS) & Autonomous Vehicles(2)	Keynote-26	ADAS & new safety technologies	K	Subramanian	Ashok layland	India
					2026-26-0036	Mileage Accumulation Target Identification For AEBS Validation for Medium & Heavy Trucks Considering Real-World Accidents In India	Sivaprasad	Koralla	Tata Motors, Ltd.	India
					2026-26-0038	Algorithm development for AI driven Path planning using Augmented reality for navigating in Indian complex road scenarios	Prem Raj	Anandaraj	Renault Nissan Tech. & Bus Centre India	India
					2026-26-0040	Real-Time Lane Change Risk Estimation Using Extended Lane Change Risk Index (ELCRI) and Fault Tree Analysis	Mithil	Dharmadhikari	Daimler Trucks Innovation Center India P	India
					2026-26-0051	Innovative Inverted Cross Car Beam Design for Optimized Packaging of Advanced Driver Assistance Technologies in Global Vehicles.	AJAY SENU	MAHAJAN	Mahindra Research Valley	India

Day-2 29.01.2026	Technical Session-VI Time -16:30-18:30	48	Hall no.8 (Nagarjunakonda University)	Software Defined Vehicles(2)	Keynote-27	SDV trends and Semiconductor technology driving faster adoption of SDV	Mr Martin	Spiteri	Infneon	
					2026-26-0681	Impact of Virtual ECUs on Software Development and Validation Using the Shift Left Strategy	Amey	Bhopi	AAM Auto Component(India) Pvt Ltd, Pune	India
					2026-26-0684	High-Performance Computing for Software-Defined EV Powertrains: Design and Real-Time Validation with NXP S32E278 Domain Controller	Ganesh	Pawar	Tata Motors Ltd	India
					2026-26-0686	Unlocking Edge AI in Software-Defined Vehicles: Balancing model complexity, compute resources, and data access	Sanjay	Khatri	Sonatus Inc.	India
					2026-26-0690	Introducing a Novel System Engineering Framework for the safe deployment of Software Defined-Vehicles	Halima	EI Badaoui	WMG, University of Warwick, UK	United Kingdom
Day-3 30.01.2026	Technical Session-VII Time -09:00-11:00	49	Hall no.1 (Nalanda University)	Simulation & Modelling(7)	Keynote-28	Connecting ADAS System Design with Regulatory & Virtual Homologation via the Digital Twin	Mr Anirudhh	Reddy	Applied Intuition	India
					2026-26-0079	Multibody Dynamic Analysis of Belt-Type CVT Systems in Two-Wheelers: A Study on Slip, Misalignment, and Transmission Efficiency	Swapnil	Shah	ENORISE GmbH	India
					2026-26-0369	Integrated Simulation of Electric Vehicle Model Using the ROM Approach	Anand	Shandilya	Tata Motors, Ltd.	India
					2026-26-0409	Advancing Complete Vehicle ADAS Simulation through Virtual Development and Global Collaboration	Christoph	Wellershaus	Magna	Austria
					2026-26-0431	Road noise improvement of a passenger vehicle through end-to-end CAE-Simulation using Transfer Path Analysis (TPA) approach	Mihir	Mahajani	FEV India	India
Day-3 30.01.2026	Technical Session-VII Time -09:00-11:00	50	Hall no.2 (VikramShila University)	Testing & Evaluation(7)	Keynote-29	AI-Driven Testing with Parasoft: Building the Next Generation of Automotive Software	Mr Naresh	Sudhakar	Parasoft	India
					2026-26-0503	Unified Test Automation System for Safer and Sustainable Automotive Electrical Systems	Rahul Madanlal	Sanheti	A'Gain Digitech Pvt, Ltd.	India
					2026-26-0527	Comprehensive Technology Framework for effective and early leveraging of test assets	Parameswaran	Venkata	Visteon Corporation	India
					2026-26-0548	Novel Approach on Material characterization Testing of various Wiring Harness	Dipam	Shah	Mercedes-Benz India Private Limited	India
					2026-26-0581	A Quality-Driven Approach to Engineering Sign-Off for Software and Robust Product Development	Ashish	Digikar	Tata Motors Limited	India
Day-3 30.01.2026	Technical Session-VII Time -09:00-11:00	51	Hall no.3 (Valabhi University)	Materials & Manufacturing(1)	Keynote-30	Material testing- Material Cards & Battery Abuse Testing and Simulation	Dr. Martin	Schwab	4A	
					2026-26-0275	Electroluminescent Coating Systems for Heavy-Duty Trucks: Advancing Safety and Sustainability through Smart Surface Technology	Manoj	Borse	Volvo Group Trucks Technology	India
					2026-26-0279	Phase-Change Material (PCM) embedded connector to control peak temperature rise in high-voltage wiring harness	Neogi	Angshuman	Mercedes Benz R & D India	India
					2026-26-0280	Numerical Investigation on Thermo-Mechanical Characteristics of Injection-Molded Thermoplastics using Anisotropic Material Properties	KALINGA	T	General Motors LLC	India
					2026-26-0283	Development of Advanced Thermoplastic Elastomeric Mat and Its Study on Thermal Performance of Wireless Charging System	NAIKWADI	Amol	Uno Minda Limited	India
Day-3 30.01.2026	Technical Session-VII Time -09:00-11:00	52	Hall no.4 (Pushpagiri University)	E-Mobility(7)	Keynote-31	Cell to Battery Pack to Vehicle Integration	Amarnath	Shetty	3ds	
					2026-26-0156	Analysis of Energy Consumption for Heating City Electric Buses and Ways to Reduce It	Andrey	Kozlov	FSUE NAMI	Russian Federation
					2026-26-0158	Ensuring Functional Safety in Electric Vehicle Inverters: A Case Study on ISO 26262 Implementation.	Shwetha	Ramachandra	BorgWarner Power Drive Systems	India
					2026-26-0196	Advanced Thermal Management for High-Tonnage EVs: Increasing Coolant Flow and Reducing Energy Losses	SAMEER	DIXIT	TATA MOTORS LIMITED	India
					2026-26-0198	To study and compare communication protocol for fast charging in electric two-wheeler with respect to CCS 2.0: An Indian Perspective	Sreekumar	Uthaman	ARAI	India

Day-3 30.01.2026	Technical Session-VII Time -09:00-11:00	53	Hall no.5 (Odantapuri University)	Hydrogen Fuel Cell and Hydrogen I. C. Engine+ Alt Fuel(5)	Keynote-32	Hydrogen Combustion Engine: A System Approach to Safe, Efficient and Sustainability Mobility for India	Ravindra	K. U.	Bosch	India
					2026-26-0113	A 3D CFD Combustion Evaluation of Hydrotreated Vegetable Oil (HVO) as a Potential Alternate Fuel for the Future CI Engines	Ayush	Tripathi	Tafe Motors and Tractors Limited	India
					2026-26-0252	3D CFD simulation methodology for safe and efficient hydrogen refueling for hydrogen internal combustion engines	Gourav	Khanna	Cummins Technologies India Pvt, Ltd.	India
					2026-26-0267	Establishing a High-Pressure Direct Injection Hydrogen Engine Test Facility with Integrated Ammonia Fuel Capability: Technical Considerations, Safety Framework, and Best Practices	Vipin	Dhyani	Hindustan Petroleum Corporation Limited	India
Day-3 30.01.2026	Technical Session-VII Time -09:00-11:00	54	Hall no.6 (Somapura University)	Emission Measurement & Control Technology(1)	Keynote-34	Euro 7 Insights: Shaping the Future of Real-Time Emissions Monitoring	Deepak	Kasturi	Schaeffler	India
					2026-26-0212	Optimizing Catalyst Substrate Technology for Gasoline vehicles in Indian Market	Harmeet	singh	Maruti Suzuki India, Ltd.	India
					2026-26-0220	CS Structure: New generation metallic catalyst substrate for 2- and 3-Wheeler applications	Francois	Jayat	EMITEC Technologies GmbH	Germany
					2026-26-0232	Assessing Brake Emission Performance Across New, Upgraded, and Retrofitted Test Bed Infrastructures	Marco	Schoggel	AVL	Austria
					2026-26-0234	Development of above 500 kW Diesel Engine & After treatment System to meet CPCB-IV+ Emission Norms	Vikas	Rane	FMTU	India
Day-3 30.01.2026	Technical Session-VII Time -09:00-11:00	55	Hall no.7 (Jagadalla University)	Artificial Intelligence in Automobiles(4)	Keynote-35	AI-powered Agentic Workflows for meeting Automotive Crashworthiness Regulatory Compliance	Mr Suri	Bala	d3 View	UK
					2026-26-0632	Standardized Design Principles and Emerging Opportunities for AI-Integrated CAD Systems	Taha	Shaikh	Volvo Group India Private Ltd	India
					2026-26-0645	Regenerative braking control strategy for electric commercial bus under Indian road condition using artificial neural network	Saurabh	Saurabh	Tata Motors, Ltd.	India
					2026-26-0646	Transforming Gear Manufacturing_ A Deep Learning Approach to Quality Prediction	Gowtham Raj	Ramakrishnan	Mercedes-Benz R&D India Pvt Ltd	India
					2026-26-0648	AI-Driven Predictive Methodology for Bolt Integrity in Vehicle Durability Testing	Masani	Sivakrishna	Tata Consultancy Services	India
Day-3 30.01.2026	Technical Session-VII Time -09:00-11:00	56	Hall no.8 (Nagarjunakonda University)	Automotive Cyber Security(1)	Keynote-36	From compliance to resilience: Understanding automotive cyber maturity in India, China, and beyond	Lena	Steden	ETAS	Germany
					2026-26-0609	MOSAIC-TARA: A Comprehensive TARA Methodology for Automotive Cybersecurity	Yogendra	Goyal	Tata Motors Passenger Vehicles Ltd.	India
					2026-26-0614	Securing the Future of Electric Vehicle Charging: Identifying and Mitigating Cybersecurity Vulnerabilities	Akshit	Aggarwal	ETAS Automotive India Ltd	India
					2026-26-0619	Proactive AI-Enhanced Cybersecurity for Next-Gen Automotive Infotainment ECU	Shweta	More	Tata Motors, Ltd.	India
					2026-26-0627	Security monitoring for High Performance Vehicle Computers	Siddharth	Shukla	ETAS Gmbh	Germany
Day-3 30.01.2026	Technical Session-VIII Time -11:30-13:00	57	Hall no.1 (Nalanda University)	Simulation & Modelling(8)	2026-26-0378	Novel Approach for Predicting Steering Rack Load Using Multibody Simulation	Harshit	Srivastava	Tata motors	India
					2026-26-0397	Boosting the development of a BEV Rear Twist Beam suspension through a pioneering approach: ADAMS Real Time on Driving simulator	Javier	Gutierrez	IDIADA Automotive Technology SA	Spain
					2026-26-0455	A computational approach to Fretting Wear prediction of Steel Gaskets under Thermo-Mechanical load using Archard's wear model	Chnadrankant	Palve	Mercedes-Benz R&D India Pvt, Ltd.	India
					2026-26-0468	3D Transient CHT Simulation of Frictional Heating in Jet-Lubricated Automotive Gears	Abhishek	Ballani	Simerics Inc	India

Day-3 30.01.2026	Technical Session-VIII Time -11:30-13:00	58	Hall no.2 (VikramShila University)	Testing & Evaluation + Lighting (8)	2026-26-0130	The Impact of Color Correlated Temperature (CCT) on Automotive Headlights Performance and Driver Perception	Mahendra G.	Patil	ARAI	India
					2026-26-0505	Test method and set up development for electric parking brake performance and durability validation in vehicle level as per RWUP	M R	DHANAPAL	Mahindra & Mahindra, Ltd.	India
					2026-26-0546	Determination of Acrylonitrile Content in Nitrile Butadiene Rubber Vulcanizates by Py-GCMS Techniques	Rajyasree	Samanta	Hasetri	India
					2026-26-0585	Calibration strategy to address abnormal engine noise in cold transient driving condition	Bhagyashree	Suna	Tata Motors, Ltd.	India
Day-3 30.01.2026	Technical Session-VIII Time -11:30-13:00	59	Hall no.3 (Valabhi University)	Materials & Manufacturing(2)	2026-26-0285	Niobium Alloyed Brake Disc for reduced NVH and emission control	Bernardo	Barile	CBMM	Netherlands
					2026-26-0286	Evaluation of Shear Trim Edge in HSLA Steel for Automotive Application	Badri Vishal	Thota	Vehma Engineering	India
					2026-26-0302	Hydrogen Embrittlement in Galvanized High Carbon Steel Components of Automotive Seat Slider Assembly	Mehul Kishor	Saindane	Uno Minda Limited	India
					2026-26-0449	Transforming Manufacturing: Increasing Throughput and Reducing production Complexity with Digital Twins	Rahul	Kumar	Daimler Trucks Innovation Center India	India
Day-3 30.01.2026	Technical Session-VIII Time -11:30-13:00	60	Hall no.4 (Pushpagiri University)	E-Mobility(8)	2026-26-0414	Coupled Thermo-Mechanical Simulation Framework for Structural Evaluation of Battery Pack	SADASHIV C	BHAT	Volvo Group India Private Limited	India
					2026-26-0432	Optimization and Evaluation of Thermal Interface Material Thickness and Distribution Patterns for Improved Heat Transfer in Liquid-Cooled Battery Pack	Mathankumar	K	Tata Motors, Ltd.	India
					2026-26-0448	Validation of 0D-1D Co-Simulation Strategies in Cold Climate for 'Full EV Digital Vehicle'	Raghuveeran	Sarapalli Ramachandran	Renault Nissan Tech & Bus Centre India	India
					2026-26-0474	Optimizing Busbar Design by Investigating Critical Parameters and Their Influence on Electrical and Thermal Behaviors for Reliable Electric Vehicle Battery Packs.	Yogesh	Nogdhe	Mahindra and Mahindra	India
Day-3 30.01.2026	Technical Session-VIII Time -11:30-13:00	61	Hall no.5 (Odantapuri University)	Circularity and LCA(1)	Keynote-38	LCA & Circularity: An Integrated Approach for decarbonizing Value Chain	Vishal	Handa	Maruti	India
					2026-26-0235	Evaluating the Environmental Footprint of Electric Vehicles: A Life Cycle Assessment Approach for Sustainable Mobility in India	Nayan	Sonawane	Tata Motors Passenger Vehicle Ltd.	India
					2026-26-0238	Advancing Circular Economy in India's Automotive Sector: Challenges and Sustainable Solutions	Vijay Bhooshan	Kumar	Ashok Leyland	India
					2026-26-0239	Circularity and LCA: Enhancing Sustainability in the Indian Electric Vehicle Sector	Rushikesh Sambhaji	Haregaonkar	Product Development, Switch Mobility	India
					2026-26-0240	Life Cycle Assessment of Automotive Cables and GHG Emission Reduction Scenario in Indian Context	Naman	Kumar	ARAI	India
Day-3 30.01.2026	Technical Session-VIII Time -11:30-13:00	62	Hall no.6 (Somapura University)	Emission Measurement & Control Technology(2)	2026-26-0214	Gasoline Particulate Filter for future Indian regulation	Kentaro	sugimoto	NGK Insulators Ltd	Japan
					2026-26-0218	A Thermoelectric System for Emission Control Optimization in Two-Wheeler Automotive Applications	Aishwarya	Venkateshwaran	Vitesco Technologies India Pvt. Ltd.	India
					2026-26-0228	Real Drive Emission Measurement on CEV Machinery- Study of testing challenges and different machine duty cycles.	Pratyush	Chauhan	ARAI	India
					2026-26-0231	Introducing a new catalyst family in gasoline after treatment	Sebastian	Kuhn	Umicore AG & Co KG	Germany
Day-3 30.01.2026	Technical Session-VIII Time -11:30-13:00	63	Hall no.7 (Jagadalla University)	Advanced Driver Assistance Systems(ADAS) & Autonomous Vehicles(3)	Keynote-37	Virtual Roads to real safety: Simulation and Digital Twins for ADAS homologation	Mr Caius	Seiger	dSpace	Germany
					2026-26-0037	Dynamic Integration of Bilateral and Adaptive Cruise Control for Intuitive Vehicle Behavior and Congestion Mitigation	Arya	A	PSG iTech	India
					2026-26-0045	Adapting ADAS to Indian Driving and User Needs	KRISHNATH NAMDEV	SANKPAL	Applus + Idiada India	India
					2026-26-0046	Crowdsourcing Indian traffic scenarios for ADAS development and testing	Sidhharth	Khastgir	WMG, University of Warwick, UK	United Kingdom
					2026-26-0050	Virtual Validation of ADAS Algorithms Using Driver-in-the-Loop Simulation	Chinmaya	Sharma	ARAI	India

Day-3 30.01.2026	Technical Session-VIII Time -11:30-13:00	64	Hall no.8 (Nagarjunakonda University)	Automotive Cyber Security(2)	2026-26-0608 Post-EOL Cybersecurity Validation for Automotive Production ECUs	Sucheta	Chakraborty	BorgWarner Power Drive System	India
					2026-26-0615 Cross-ICA Trust Mechanism in Automotive Cybersecurity	Vaisakh	Venugopal	Tata Motors Passenger Vehicles Ltd.	India
					2026-26-0617 Real-time Intrusion Detection System (IDS) for Vehicle Networks Using Machine Learning for Predictive Threat Analysis	Vikash	chaudhary Ing	HACKERSERA	India
					2026-26-0623 Navigating the Field of Automotive Cybersecurity Relevant Regulations	Dennis Kengo	Oká	IAV	Japan