

ANSYS TRANSPORTATION

SUMMIT 2024

Tuesday, October 22nd				
7:30 AM - 8:30 AM	Exhibits Open & Breakfast Garden Gallery			
8:30 AM - 9:05 AM	Engineering the Road Ahead with Simulation Grand Ballroom Ansys			
9:05 AM - 9:40 AM	Pushing the Performance Limits: How Ansys powers Oracle Red Bull Racing's Competitive Edge Grand Ballroom Oracle Red Bull Racing			
9:40 AM - 10:05 AM	Safety Simulation Enhancement Using AI Grand Ballroom Stellantis			
10:05 AM - 10:30 AM	GHBMC and the Applications of GHBMC Models Grand Ballroom General Motors			
10:30 AM - 10:45 AM	AM Break Served On All Floors			
Tracks	Electrification and ADAS Library C	Electronics and Lighting Library B	Safety and Systems Library A	Digital Engineering Library D
	Opening Remarks: Electrification and ADAS	Opening Remarks: Electronics and Lighting	Opening Remarks: Safety and Systems	Opening Remarks: Digital Engineering
	Develop High-Efficiency Electric Vehicle Powertrains Ansys	Driving into the Future of Software-Defined Vehicles with Ansys Ansys	Ansys Journey Towards Digital Engineering Ansys	Intelligent Engineering: AI-Driven Simulation & Design Optimization Framework Ansys
11:30 AM - 12:00 PM	Battery Modeling and Manufacturing Simulation - What's New Ansys	New Electronics Design Capabilities Ansys	Safety Considerations for AI in Automotive Applications Aptiv	Accelerating Design Exploration Ansys
12:00 PM - 1:15 PM	General Lunch Garden Gallery Advancements in Sustainable HPC Solutions for Ansys Applications (Sponsored Lunch hosted by HPE & AMD) The Atrium Case Studies in Utilizing High Performance Computing (HPC) and AI/ML for Digital Transformation (Sponsored Lunch by TotalCAE) Garden Pavilion			
1:15 PM - 1:45 PM	EV Battery Thermal Runaway Mitigation Ansys	Shift Left: The Next Stage in Leveraging Simulation in Automotive Electronics Reliability Ansys	Using Medini Analyze for Functional Safety Borgwarner	Process Integration and Design Optimization Ansys
1:45 PM - 2:15 PM	Electric Motor Design and Development - What's New Ansys	EM/EMC Simulation - Latest Capabilities from Chips to Full Vehicle Ansys	A Holistic Approach to Prevent Unexpected Behavior in Autonomous Vehicles TDV Rheinland Group	From Concept to Creation: Leveraging Simulation Data and AI with Minerva and SimAI Ansys
2:15 PM - 2:45 PM	Electric Powertrain Durability and NVH Prediction Ansys	Comprehensive Conducted EMI Analysis of Electric Vehicle Drivetrains Ansys	Why MBSE? MBSE at the Intersection of Safety and Systems Engineering in the Automotive Domain Ford	Honda Material Intelligent Database for Highly Efficient and Environmentally Friendly R&D Process Integration and Design Optimization Honda R&D Co., Ltd
2:45 PM - 3:15 PM	Power Electronics Simulation Ansys	Lighting & Optical Simulation Overview and Technology Update Ansys	Autonomy Use Case for Safety Analysis of Complex Models Hexagon AB	Update on Ansys Solutions for Aerodynamics and Thermal Management Ansys
3:15 PM - 3:30 PM	PM Break Served On All Floors			
3:30 PM - 4:00 PM	Self-Driving Car Safety Through Accurate Simulation at Scale Ansys	Exterior Lighting Design Capabilities: How to Simulate the Latest Lamp Technologies Ansys	Advancing Software Safety through Test Automation using Advanced Engineering(SCADE) and Gen AI tools Honeywell Aerospace Technologies	Update on Ansys Solutions for Structural and Durability Ansys
4:00 PM - 4:30 PM	ADAS Sensor Models Aptiv	Interior Lighting, Cockpit Glare and Reflection Optimization Ansys	Reducing Software Verification Lead-time with SCADE Model Coverage Analysis for Safety Critical Systems Embraer	NVIDIA's AI Solution for CAE Tools NVIDIA
4:30 PM - 5:00 PM	Image Injection HIL Solution for Adaptive Driving Beam Development and Testing Ansys	Taking HUD Design to the Next Level Ansys	Demonstrating MBSE for Automotive by an Electric Powertrain Case Study Ansys	Streamlining EVs from Design to Operations with Hybrid Digital Twins Ansys
5:00 PM - 5:10 PM	Track Wrap Up: Electrification and ADAS	Track Wrap Up: Electronics and Lighting	Track Wrap Up: Safety and Systems	Track Wrap Up: Digital Engineering
5:30 PM - 7:30 PM	Networking Reception Garden Pavilion			
Wednesday, October 23rd				
Workshops	Embedded Software Workshop Library B	Digital Safety Workshop The Atrium Parlor	Digital Transportation & MBSE Workshop The Atrium Study	
	8:30 AM - 8:45 AM Welcome/Opening 8:45 AM - 10:10 AM Hands-On Workshop Part 1: Architecture and Design of Embedded Software 10:10 AM - 10:30 AM Break 10:30 AM - 11:00 AM Academic Guest Speaker (LINAQ): Adoption of SCADE in a Full Academic Program 11:00 AM - 12:00 PM Hands-On Workshop Part 2: Software Implementation and Verification 12:00 PM - 1:15 PM Lunch 1:15 PM - 1:45 PM Hands-On Workshop Part 3: System / Software Integration 1:45 PM - 2:30 PM From Fail-safe to Fail-operational: Model-Based Solutions for Automotive Embedded Controls of the Future 2:30 PM - 3:00 PM Break 3:00 PM - 4:00 PM Hands-On Workshop Bonus: Ansys Innovations with Scade One 4:00 PM - 4:30 PM Wrap Up & Closing	8:30 AM - 8:45 AM Welcome/Opening 8:45 AM - 9:40 AM Safety Product and the Collaboration Platform 9:40 AM - 10:10 AM Guest speaker - CS Group 10:10 AM - 10:30 AM Break 10:30 AM - 12:00 PM Hands-On Workshop for DSM and Safety Cases 12:00 PM - 1:15 PM Lunch 1:15 PM - 2:30 PM Hands-On Workshop for Digital Engineering at Ansys 2:30 PM - 3:00 PM Break 3:00 PM - 3:30 PM AI for safety and cybersecurity analysis 3:30 PM - 4:50 PM Safety of AI 4:50 PM - 5:00 PM Wrap Up & Closing	8:30 AM - 8:45 AM Welcome/Opening 8:45 AM - 9:15 AM Industry guest speaker Michael J. Vinarcik, P.E., Director, SAIC's Engineering Innovation Factory 9:15 AM - 10:10 AM MBSE Hands-on workshop - part 1 10:10 AM - 10:30 Break 10:30 AM - 12:30 PM MBSE Hands-on workshop - part 2 12:30 PM - 1:00 PM Lunch 1:00 PM - 1:30 PM MBSE Hands-on workshop - closing	
Agendas				