Conference Agenda

Day 1 | Wednesday, May 13, 2026 *(times subject to change)*

Register or learn more here

8:15 AM	***Registration, Coffee & Breakfast in Sponsor Exhibit Area and 3DEXPERIENCE Playground***						
	Advanced Seminar Room: GOLD	**Advanced Seminar Room: COPPER**	**Advanced Seminar Room: SILVER**	**Advanced Seminar Room: BRONZE**	**Advanced Seminar Room: AMETHYST**	**Advanced Seminar Room: EMERALD**	**Advanced Seminar Room: CORAL**
9:15 AM*	Structures	Multibody System Dynamics	Fluids	Multiphysics	Electromagnetics	Modeling & Simulation	Manufacturing Process Simulation
10:45 AM	***Morning Break in Sponsor Exhibit Area and 3DEXPERIENCE Playground***						
	Advanced Seminar Room: GOLD	**Advanced Seminar Room: COPPER**	**Advanced Seminar Room: SILVER**	**Advanced Seminar Room: BRONZE**	**Advanced Seminar Room: AMETHYST**	**Advanced Seminar Room: EMERALD**	**Advanced Seminar Room: CORAL**
11:15 AM*	Structures	Multibody System Dynamics	Fluids	Multiphysics	Electromagnetics	Modeling & Simulation	Manufacturing Process Simulation
12:45 PM	***Plated Lunch, Sponsor Exhibit Area & Playground Open – Sponsored by VIAS3D***						
1:45 PM	**Welcome & Opening Remarks,** *Mark Bohm, Dassault Systèmes*						
1:55 PM	**SIMULIA Brand Insights 2026,** *Michelle Ash, Dassault Systèmes SIMULIA CEO*						
2:15 PM	**Keynote Presentation: Learning the Physical World: Neural Models for Simulation, and Design,** *Professor Hadi Meidani, University of Illinois at Urbana-Champaign*						
2:45 PM	**Roundtable Discussion: Partnerships to Build Industrial AI Platforms for Virtual Twins** *Panelists: Neil Ashton, NVIDIA, Saurabh Bahuguna, General Motors Corp., Professor Hadi Meidani, University of Illinois, Victor Oancea and Chris Whiting, Dassault Systèmes and Moderator: Michelle Ash, Dassault Systèmes*						
3:30 PM	***Afternoon Break in Sponsor Exhibit Area and 3DEXPERIENCE Playground***						
	SIMULIA Update I – GOLD	**SIMULIA Update II – COPPER**	**SIMULIA Update III – SILVER**	**SIMULIA Update IV – BRONZE**	**SIMULIA Update V – AMETHYST**	**SIMULIA Update VI – EMERALD**	**SIMULIA Update VII – Coral**
4:00 PM	SIMULIA R&D Abaqus Structures Technology Update *Ross Mclendon, Mikhail Belyi, Prashanth Vijalapure & Sandeep Kulathu, Dassault Systèmes*	Multibody System Dynamics Update *Armin Veitl, Dassault Systèmes*	Fluids Portfolio R&D Update (45 minutes) R&D Update on AI/ML for Fluids (45 minutes) *Nicolas Fougere, Dassault Systèmes*	Vibro-Acoustics Update *Phil Shorter, Dassault Systèmes*	Electromagnetic Technology Updates 2026 *Sebastian Kizewski, Scott Piper & Frank Scharf, Dassault Systèmes*	Modeling & Simulation R&D Updates, *Abelardo Garza & Christina Feist, Dassault Systèmes*	Session I: **3D**EXPERIENCE Multiphysics 2026 *Victor Oancea, Dassault Systèmes*
4:30 PM							Session II: Integrating AI into Physics-Based Modeling: Hybrid, Reduced-Order, & Generative Approaches in Dymola *Jyothi Matam, Dassault Systèmes*
5:00 PM							TBA
5:30 PM	***Reception in Sponsor Exhibit Area and 3DEXPERIENCE Playground***						

*See Page 4 for Advanced Seminar Descriptions

Conference Agenda

Day 2 | Thursday, May 14, 2026 *(times subject to change)*

Register or learn more here

8:15 AM	***Registration, Coffee & Breakfast in the Sponsor Exhibit Area and Women in Engineering Networking Breakfast in the 3DEXPERIENCE Playground***							
9:15 AM	**Welcome & Opening Remarks,** *Mark Bohm & Peer-Philipp Krambeer, Dassault Systèmes*							
9:30 AM	**Modeling & Simulation (+AI) – Enabling Transformation from Sequential to Concurrent Engineering,** *Ramji Kamakoti, Dassault Systèmes*							
10:00 AM	**Keynote Presentation: Why 3DEXPERIENCE Has Become a Transformative Experience for the Ford Chassis CAE Engineering Team,** *Satyendra Savanur, Ford Motor Co.*							
10:30 AM	***Morning Break in Sponsor Exhibit Area and 3DEXPERIENCE Playground***							
11:00 AM	**Electromagentics: An Overview,** *Frank Scharf, Dassault Systèmes*							
11:30 AM	**Keynote Presentation: Advancing Generative Design and Optimization with Modeling & Simulation,** *Jason Action, Lockheed Martin*							
12:00 PM	**SIMULIA Champions Welcome**							
12:15 PM	***Group Photo, Plated Lunch, Sponsor Exhibit Area & Playground Open – Sponsored by VIAS3D***							
THANK YOU TO OUR GOLD & SILVER SPONSORS!								
	Track 1 – GOLD Sponsor Session	**Track 2 – SILVER Sponsor Session**	**Track 3 – COPPER Sponsor Session**	**Track 4 – BRONZE Sponsor Session**	**Track 5 – AMETHYST Sponsor Session**	**Track 6 – EMERALD Sponsor Session**		
1:30 PM	An Investigation into Multispecies Fluid Flow (free surface) Utilizing High Performance Computing and Cloud Solve *Robert Warren, GoEngineer*	Enabling Agile Design Reviews for Abaqus users: Transitioning from Static Reports to Interactive 3D Slides / Workflows *Prasad Mandava, VCollab*	Multiphysics of Oxidation and Fatigue in Elastomer Automotive Applications *William Mars, Endurica LLC*	TATA Technologies	TotalCAE HPC Technology Choices for Accelerating the SIMULIA Portfolio *Rod Mach, TotalCAE*			
1:50 PM	Become a Simulation Olympian: The Analyst's Journey on the **3D**EXPERIENCE platform *Benjamin Beckelynch, Technia*	Same Goals, Different Rules: FEA Automation Then and Now *Tom Feister, TriMech Solutions*	Automated Polymer Material Characterization for Abaqus Using VALIMAT®-AUTOFIT Workflow *Arjun Balagopal Menon, 4aEngineering GmbH*	Introducing Coreform IGA for Abaqus - Empowering Meshing-free Workflows for Abaqus Simulations *Michael Scott, Coreform*	Driving Customer Success with Abaqus and VIAS3D *Shawn Freeman, VIAS3D*	Load Reconstruction with Wolf Star Technologies' True-Load *Tim Hunter, Wolf Star*		
Customer Technical Breakout Sessions								
	Track 1 – GOLD Structure I	**Track 2 – SILVER Structures II**	**Track 3 – COPPER Structures III**	**Track 4 – BRONZE Electromagnetics**	**Track 5 – AMETHYST MODSIM**	**Track 6 – EMERALD Multidiscipline**	**Track 7 – CORAL Fluids**	**Track 8 – PEARL Vibro-Acoustics**
2:10 PM	Differences in Transverse Shear Plate Stiffness Formulations in Commercial FEM Solvers: Theory and Composite Wing Applications *Olaf Weckner, Boeing*	From Abaqus Simulation to Real-Time Structural Integrity Using Physics-Informed AI *Benedikt Engel, MatAlytics Ltd,*	From Microstructure to Bulk Response: Multiscale Modeling of Fiber-Reinforced Soft Materials in Abaqus *MD Saiful Islam, University of Louisiana-Lafayette*	Advanced Electronic Packaging System Level Modeling: PCB Voxelization and Submodeling *Shams Arifeen & Aiman Shibli, Google*	Computational Fluid Dynamics of Intracerebroventricular Delivery in NHP Ventricle Virtual Twins *Kevin Hallock, Biogen*	Predictive Simulation and Virtual Twin Framework for Material and Design Optimization in Comfort-Focused Products *Arindam Chakraborty, VIAS3D, on behalf of Purple Innovations*	Introduction and Execution of Advance Common Model at General Motors for PowerFLOW Simulations *Antonino Destasi & Brian Schroll, General Motors*	*TBA*
2:40 PM	Prismatic Cell Enclosure Analysis Using Ductile Damage Model *Arturo Sanchez, General Motors*	Residual Strength of Notched Composite Test Coupons using Abaqus Mean Field Homogenization *Jonathan Lusk, Boeing*	Utilizing Rubber Coated Metal (RCM) Gaskets to Seal Openings with a Thin Steel Cover *Brian Engel, Dauch, formerly AAM*	Efficient Gap Modeling in CST Studio Suite for Early Prediction of EMC Failures in Automotive Shielded Interconnects *Safal Sharma & Abbas Alwishah, Molex*	Medical Device Product Development – Ensuring Success amidst Uncertainty *Kyle Johnson, NeoCoil & Chris Schaefar, GSC*	MOBI-LAB: A Multibody-Driven Load Intelligence Framework for Vehicle Performance *Paul Lucas, Daimler Truck North America*	High-Fidelity Computational Approach to Study sUAS Aerodynamic Degradation in Rime Ice Conditions *Edwin Daniel, NIAR - Wichita State University*	Flight Test Reduction via Vibroacoustic Analysis *Gary Simpson, Lockheed Martin*
3:10 PM	***Afternoon Break in Sponsor Exhibit Area and 3DEXPERIENCE Playground***							

Conference Agenda Day 2 Continued *(times subject to change)*

Register or learn more here

	Track 1 – GOLD Structure I	Track 2 – SILVER Structures II	Track 3 – COPPER Structures III	Track 4 – BRONZE Electromagnetics	Track 5 – AMETHYST MODSIM	Track 6 – EMERALD Multidiscipline	Track 7 – CORAL Fluids	Track 7 – PEARL Vibro-Acoustics
3:40 PM	Progressive Failure Simulation of Both Polymer- and Ceramic-Matrix Composites Performed Using Abaqus *Dr. Jim Roach, RTX – Pratt & Whitney*	Automating Results Extraction for Families of Products *Henry Hojnacki, Engineering Strategies*	Rotordynamics Design Analysis of a High-Speed Composite Flywheel: Key Challenges & Solutions *Joshua Gorfain, Quartus Engineering*	Investigation of Electromagnetic Emissions from Automotive DC-DC Converters *Matthew Gee, Robert Bosch*	Ultra-Optimized Packaging Design *Brad Philip, Amcor Rigid Packaging*	Flow Driven Generative Design and Parametric Optimization Case Studies *Prashanth (Pat) Pai, Ford Motor Co.*	Computational Framework for Designing and Testing Novel Open Rotors Propeller *Barry Lim, Wichita State University - NIAR*	Using wave6 AI/ML Algorithms to Automate Detection and Localization of Squeak and Rattle Events in Vehicle Cabins *Wenlong Yang, General Motors*
4:10 PM	Motor Laminate Stack Interlocking & Dismantle Simulation *Marcus Chen, General Motors*	Nonlocal Drucker-Prager Plasticity: A VUMAT Implementation, Verification, and Application *Timmy Ngo, Purdue University*	A Procedural Workflow with Theoretical Background to Estimate the Misalignments in Helical Gears *Rong Chiu, Dauch, formerly AAM*	Compact High-Performance Circularly Polarized Dish Feed for 1296 MHz *Bill Siino, Curious Communications & Clint Patton, GoEngineer*	Non-Pneumatic Tire Design and Validation *Thomas Feister, TriMech Solutions on behalf of A3T LLC*	Optimization Process Applied to Agricultural Tires *Victor Messias, Titan Tire & Thomas Schlitt, GoEngineer*	*TBA*	Adding Vibro-Acoustic Detail to Interior Windnoise Models by Combining wave6 with PowerFLOW *Ricardo De Alba Alvarez, Ford Motor Co.*
4:40 PM	Numerical Assessment of High- and Low-Cycle Bending Fatigue Failure in ENP-Coated Carburized Shafts *Anoop Vasu, Dauch, formerly AAM*	From Virtual Validation to Reliable Design: CAE Across Caterpillar Machines *Ashraf Idkaidek, Caterpillar*	Predictive Analysis and Simulation-driven Design for Structural Sealant Glazing Under Seismic Loading *Hang Shu, The Dow Chemical Company*		Topology Optimization for Lightweight Aerospace Structures in 3DEXPERIENCE *Andy Shahbazian, Iliad Innovations – supporting U.S. Air Force–aligned programs*	FEA Approach for Equivalent Static Modes *Tim Hunter, Wolf Star*	Power insight VR Enabling Real Time Collaboration for Flow Field Understanding *Fernando Saito, General Motors*	*TBA*
5:10 PM	***Evening Reception in Sponsor Exhibit Area and 3DEXPERIENCE Playground***							

Advanced Seminar Descriptions

Register or learn more here

Structures	• Session 1: **Practical Nonlinear Finite Element Analysis with Abaqus** • Session 2: **A General Review of Fatigue Assessments, Including the Recent Trends of AI/ML Adoption on Fatigue**
Multibody System Dynamics	• Session 1: **Multibody and Motion Technology: Current State and Motion Roles on the 3DEXPERIENCE Platform** • Session 2: **SIMPACK Realtime and ADAS applications**
Fluids	• Session 1: **PowerFLOW Native Thermal Solver** • Session 2: **PowerFLOW Advanced Common Model on 3DEXPERIENCE** • Session 3: **3DEXPERIENCE Fluids FMK Capabilities** • Session 4: **PowerFLOW Multiphase & Multispecies Capabilities**
Multiphysics	• Session 1: **SIMULIA Multiphysics Simulation Framework** • Session 2: **Electromechanical Systems Modeling** • Session 3: **Fluid Structure Interaction (FSI) in 3DEXPERIENCE Platform** • Session 4: **Battery Modeling Using Abaqus**
Electromagnetics	• Session 1: **Electromagnetic Simulations for the T&M Industry: An Overview** • Session 2: **Electromagnetics Focus Application: EMC/EMI** • Session 3: **Electromagnetics Focus Application: Motor Design and Acoustic Noise Control** • Session 4: **Electromagnetics Focus Application: Electro-Thermal Co-Simulation**
Modeling & Simulation	• Session 1: **MODSIM Foundations** • Session 2: **MODSIM Advanced**
Manufacturing Process Simulation	• Session 1: **SIMULIA Manufacturing Process Simulation Overview** • Session 2: **Welding Simulation Using Abaqus** • Session 3: **Composite Curing Simulation** • Session 4: **Semiconductor Manufacturing Process**