Agenda SIMULIA Regional User Meeting — EuroMed

June 20–21, 2023 | Modena, Italy

Day 1 | June 20 | User Conferece & Social Evening Event

	Time (CEST)				
	9:30 AM	**Registration opens | 60 minutes**			
		Plenary			
1	10:30 AM	Welcome *Indro MONTI, Dassault Systèmes*			
3	10:40 AM	Multiphysics-Multiscale-Driven Design *Indro MONTI, Dassault Systèmes*			
4	11:20 AM	The Power of Unified Modeling and Simulation in Revolutionizing Product Development From Concept to Detailed Design: Success Stories and Future Directions *Joe AMODEO, Dassault Systèmes*			
5	12:00 PM	Physics-Based Design via Machine Learning *Omar BETTINOTTI, Dassault Systèmes*			
	12:45 PM	**Lunch Break | 75 min**			
		Track 1 **Structures**	**Track 2** **Electromagnetics**	**Track 3** **Fluids**	**Track 4** **Multibody Systems Simulation**
6	2:00 PM	Modes Based Transient Analysis: A Case Study on a Heavy Truck Subsystem *Giuseppe IEROPOLI, IVECO*	Electromagnetic Simulations for Scientific Satellites *Marco NICOLETTO, Thales Alenia Space*	Numerical Characterization of a Full HVAC System and Geometry Optimization for Noise Reduction *Vincenzo ROTONDELLA, Ferrari*	Comfort Analysis of the Vinci Intercity Coach using Flexible Multibody Systems Simulation in Simpack (acc. EN 12299) *Giorgio GALEAZZO & Alessandro BON, Titagarh Firema*
7	2:25 PM	Advanced Modeling of Clamped Mattress for Pipeline Walking Prevention and Mitigation *Martina CONTARDI, Saipem*	Antennification of Implanted Orthopedic Prostheses for Early Detection of Deep Infections *Carolina MIOZZI, Radio6ense*	Optimization of the Cooling Pack Performance of a High Range Agricultural Tractor through Techniques of Design of Experiments *Mauro LOCATELLI, Same Deutz-Fahr*	TBA *Bruno PASSONE, Dassault Systèmes*
8	2:50 PM	Modeling Aluminum Welds with Cohesive Elements: A Numerical-Experimental Correlation and Material Card Definition *Andrea VAINI, Ferrari*	Tower Mounted Amplifiers from Synthesis to 3D Realization by Means of CST Studio Suite *Matteo CENDAMO, CommScope Italy*	An Overview of Simulia PowerFLOW Applications for Thermal Management and Aeroacoustics at Ferrari *Andrea ARTONI, Ferrari*	
9	3:15 PM	Multiphysics and Multiscale Co-Simulation: Abaqus-Simpack and Other Examples *Omar BETTINOTTI, Dassault Systèmes*	Link between Measurement and Simulation: Applications in Automotive Environments *Lucia SCIALACQUA, Microwave Vision Italy*	Mitigate Fan Noise Problems with SIMULIA PowerFLOW *Diletta TABACCHI, Dassault Systèmes*	Virtual Simulations of the Innovative CRRC ARCO Railway Bogie: A Comprehensive Study using Abaqus and Simpack *Giuliano PULLO & Alfonso CELANO, Blue Engineering & Design*
	3:40 PM	**Break | 30 min**			
		Structures	**Electromagnetics**	**Fluids**	**Multibody Systems Simulation**
10	4:10 PM	Simulation with Abaqus of Two Hydraulic Cylinders Actuating a Three Point Linkage under Torsional Loads *Davide DI FELICE, CNH Industrial*	Hybrid Method Analyses for Antenna's Performances Estimation *Enrico TONIOLO, Calearo Antenne*	TBA	R&D Update, Outlook and Roundtable — Multibody Systems Simulation
11	4:35 PM	Thermo-Mechanical Modeling of the Directed Energy Deposition (DED) Process for the Optimization of Deposition Strategies *Marco VALLONE, Exemplar; Mirna POGGI, Politecnico di Torino*	TBA	Accurate Prediction of Electric Vehicle Real-World Range and Comfort Using High Fidelity Digital Development Process *Giovanni FIORE, Dassault Systèmes*	*Steve MULSKI, Dassault Systèmes*
12	5:00 PM	A Modeling Technique to Represent Ply Damages and Delamination in Laminated Composites Based on Smeared Cohesive Zone Models *Edoardo NOVEMBRE, Politecnico di Milano*	SIMULIA EM Design boost by **3D**EXPERIENCE® Cloud *Davide TALLINI, Dassault Systèmes*	External Aerodynamics of a Motostudent Prototype *Matteo CHIESA & Francesco BUFFOLI, Polimi Motorcycle Factory*	
13	5:25 PM	R&D Update, Outlook and Roundtable — Structures *Ross MCLENDON, Dassault Systèmes*	R&D Update, Outlook and Roundtable — Electromagnetics *Leonardo SASSI, Dassault Systèmes*	R&D Update, Outlook and Roundtable — Fluids *Benjamin DUDA, Dassault Systèmes*	
	6:25 PM	**End of Presentations | 55 min break**			**Planned end time for this track: 5:10 PM**
14	7:30 PM	Museum Visit and Dinner Reception *Museo Enzo Ferrari in Modena*			
	11:00 PM	**End of Day 1**			

Preliminary Status: June 07, 2023