NAFEMS Iberia Conference: Advancing Engineering Simulation: Innovation, Efficiency, and Sustainability
Universidad Politécnica de Madrid (UPM), Madrid 12 November 2026

11:30	Registration
SESSION 1: Room A-201 Torres Quevedo (2nd floor) **Chair: Marcos Chimeno Manguán**	
12:00	Welcome (Eduardo Oslé, NAFEMS Iberia)
12:05	Presentation by NAFEMS International (Tim Morris)
12:15	Industrial Adoption of AI in Automotive Simulation: Methods, Achievements and Remaining Challenges *Fabiola Cavaliere (SEAT)*
12:45	From Automated Simulation to Dynamic Engineering Intelligence: Building Reusable Engineering Models for Electromechanical Systems *Tiago Teixeira (TE Connectivity)*
13:05	CFD-Based Analysis and Optimization of Particle-Laden Flows in High-Temperature Industrial Systems *Alicia Zamorano Gándara (ICEMM)*
13:25	Questions & Answers (additional)
13:35	SPONSOR presentation: Dassault Systèmes
13:40	SPONSOR presentation: Newgentechs (*Daniel Muñoz*)
13:45	Snack lunch break (Exhibition area)

SESSION 2A: Room A-201 Torres Quevedo (2nd floor) **Chair: Juncal Guerrero Muñoz**		**SESSION 2B: Room A-102 Emilio Herrera (1st floor)** **Chair: Juan Luis de la Gandara-Verano**	
14:25	Simulation-Driven Generation of Synthetic Data for Maritime Object Detection and Identification *Ricardo Corpa (Ansys part of Synopsys)*	14:25	From Tools to Agents: How Agentic Engineering Workflows are Reshaping Simulation-Driven Product Development *Antoni Alberto Marti (SimScale)*
14:45	Optimization of the Dynamic Response of a Vessel Deck Structure *Federico Navarro Pacios (University Polytechnic of Valencia)*	14:45	Physics-Informed Feature Engineering for Neural Network Surrogate Models of Damaged Sandwich Panels *Rocío Seltzer Bercovich (Airbus)*
15:05	Integrated Vibroacoustic and Fatigue Workflow for structural safety and durability *Marco Veltri (MSC Software)*	15:05	Electro-Thermal Modelling and Calibration of a Tartaric-Sulphuric Acid Anodising Cell with a Novel Sol-Gel Electrolyte Patch *Stephen Adrian O'Brien, Javier Reboul, Javier Rodríquez, Amaya García & Pablo Santamaría (PRINCIPIA Ingenieros Consultores)*
15:25	Questions & Answers (additional)	15:25	Questions & Answers (additional)
15:35	Coffee break (Exhibition area)		

SESSION 3: Room A-201 Torres Quevedo (2nd floor) **Chair: Eduardo Olsé**	
16:15	SPONSOR presentation: ANSYS part of Synopsys *(Francisco Espacio)*
16:20	SPONSOR presentation: Cadence *(Javier Escudero)*
16:25	Integrated Digital Platform for Aircraft Engine's Parts Life Cycle Management *Jakub Broniszewski, Katarzyna Frydrycka-Zabadaj & Oracz Dariusz (GE Aerospace)*
16:45	The Desktop Supercomputer: How Agentic AI and GPU-Native Julia Solvers are Democratizing Engineering Simulation *Raul Llamas (Universidad Europea de Madrid)*
17:05	Understanding the Role of Loading Path in Ductile Failure Modelling *Daniel Muñoz (Newgentechs)*
17:25	Acoustic And Performance Optimization Of A Hospital Air Purification System Using CFD And FEM *Pedro Gómez Molina (ICEMM)*
17:45	Questions & Answers (additional)
17:55	Concluding remarks (NAFEMS Iberia)
18:00	Close