



NWC25

NAFEMS WORLD CONGRESS

19-22 MAY 2025 | SALZBURG | AUSTRIA

A WORLD OF ENGINEERING SIMULATION



Preliminary Agenda

Correct at April 16th 2025 - all times and dates are subject to change. Please do not base travel plans on these times and dates.

Track A	Track B	Track C	Track D	Track E	Track F	Track G	Track H	Track J
07:30 Registration Opens	07:30 Registration Opens	07:30 Registration Opens	07:30 Registration Opens	07:30 Registration Opens	07:30 Registration Opens	07:30 Registration Opens	07:30 Registration Opens	07:30 Registration Opens

08:30 | Welcome

Welcome to Day 2

08:35 | Keynote

How Simulation is Driving Innovation, Sustainability and Consumer-centric Design...

Tyler London
Reckitt Benckiser Health Care UK

09:05 | Keynote

Accelerating the Green Energy Revolution through Nano-to-Megawatt Scale Models

Hani Kovito
Ceres Power Limited

09:35 Break	09:35 Break	09:35 Break	09:35 Break	09:35 Break	09:35 Break	09:35 Break	09:35 Break	09:35 Break
10:20 2A Business Impact	10:20 2B AI Assisted Optimisation	10:20 2C Assessing Welded Structures	10:20 2D Digital Twins 1	10:20 2E Acoustic Simulation	10:20 2F Additive Manufacturing 1	10:20 2G Battery Design 1	10:20 2H Simulation Data Management 1	10:20 2J Cloud Computing
10:20 Introduction 10:25 The 7 Practical Actions Organisations Should Take to Achieve their Product &... Andy Richardson PFRONESIM LTD	10:20 Introduction 10:25 AI-driven Design Optimization of Mechanical Structures in CAx-Processes Chains Libbin Mao Ostfalia Hochschule F. Angew. Wissenschaften	10:20 Introduction 10:25 Numerical and Experimental Analysis of Random Fatigue of Welded Connections Base... Vito Margiola Hitachi Energy	10:20 Introduction 10:25 The Digital Twin of ESAs Large Space Simulator Bamko Moays ESA/ESTEC	10:20 Introduction 10:25 Vibro-acoustic Simulation of Impulsive Feedback from Computer Mice Microswitches Luca Francesconi Logitech Europe	10:20 Introduction 10:25 Comparison between Incremental Layer Deposition and Material Property Manipulati... Anas Yaghi TWI	10:20 Introduction 10:25 Modelling the Structural Durability and Reliability of Electric Vehicle Batterie... Stephan Verwoert Hortinger BrÄAEL Kjaer	10:20 Introduction 10:25 Simulation Data Management – Enabler for Credible Digital Twin Alexander Mahl PÖtec AG	10:20 Introduction 10:25 Challenges and Opportunities in Cloud-Based Simulation - An Engineers Perspectiv... James Inerle Rescale
10:45 Engineering License Optimization: A Key to Maximizing Efficiency and ROI Anders Moe Lund Altel	10:45 Virtualizing Pier Calibration: The Role of AI in Performance Optimization Morgan Jenkins BETA CAE Systems	10:45 Notch Stress Approach for Welds using Superelements Christos Tegos BETA CAE Systems	10:45 A Hybrid Framework for Defect Detection: Integrating 2D Synthetic data , Point C... Muhammad Saeed ARSA/2036	10:45 Radiation Efficiency Varying Equivalent Radiated Power (revERP) Kristian Rvitz Grundfos DK A/S	10:45 The Calibration For DED Process Simulation On Part-scale For Ti6Al4V Arjan Wiegink NLR - Royal Netherlands Aerospace Centre	10:45 Optimization of Battery Module Production and Performance through CFD-based Simu... Carsten Schmalhott AVL Deutschland GmbH	10:45 AI in Engineering: Challenges and Successful Integration with Product Developmen... Marc Vidal CADFEM Germany GmbH	10:45 Modernizing CAE Applications: Migrating Legacy Desktop Solutions to Web-Based Pl... Andres Rodriguez-Villa Techsoft 3D
11:05 Streamlining Development of Customized Machines for Underground Mining with Unif... Manuel Morales Resemin	11:05 AI-driven 3D Design of Cables and Hoses Christine Schwarz Noesis Solutions	11:05 Stress Concepts for Weld Verification and Approaches to Automation Tim Kirchhoff IfU Ingenieurgesellschaft MBH	11:05 Non-linear Real-Time Battery Digital Twins – Efficient and Explainable Surrogate... Dirk Hartmann Siemens Industry Software	11:05 Development of Road Noise Spatial Sound and Sound Map Implementation Technology ... Dami Bok Hyundai Motor Company	11:05 An Investigation into Using Surrogate Models for Fast Prediction of Results of a... George Scratel University Of Maine	11:05 Conceptual Closed-loop Design of Fuel Cell Vehicle Powertrains Leveraging Reinfo... Johan Vanhuyse Siemens Industry Software	11:05 A Web-based Framework for Efficient Sharing of Simulation and Test Data Marianthi Dimoulani BETA CAE Systems	11:05 Scaling Beyond Traditional Boundaries of Simulation World with Cloud Computing Michael Schlenklich Hexagon Manufacturing Intelligence
11:25 Thickness optimization of a fuel tank using ML based physics model Jayant Pawar Dassault Systèmes	11:25 Automated Weld Assessment Including One-sided Fillet Welds of Large Railway Stru... Wolfgang Knoch CAE Simulation & Solutions Maschinenbau Ingenieurd...	11:25 Performance Aided Design for Certification: Integrating Digital Twin Technology ... Michael Quan Autodesk	11:25 Deep Learning Surrogate Models for Fan Performance and Acoustic Assessment Svetlana Jeronimo Dassault Systèmes Deutschland GmbH	11:25 Efficiency Improvement for the Simulation of Metal Additive Manufacturing Michael Roy TWI	11:25 Development of a Validated Simulation Model for All-Solid-State Batteries Erik Glatt Math2Market	11:25 Implementation of a simulation and process data management system: How can this ... Christopher Woll GNS Systems GmbH	11:25 Safeguarding Engineering IP in the Cloud: Strategies for Secure Global Collabora... Navin Bagga Rescale UK/Europe Office	

11:45 Lunch	11:45 Lunch	11:45 Lunch	11:45 Lunch	11:45 Lunch	11:45 Lunch	11:45 Lunch	11:45 Lunch	11:45 Lunch
13:00 Sponsor A Dassault Systèmes 1	13:00 Sponsor B 4a engineering / Altair En...	13:00 Sponsor C Esteco / Cadfem-Ansys	13:00 Sponsor D Siemens Digital Industries...	13:00 Sponsor E Hexagon	13:00 Sponsor F Rescale	13:00 Sponsor G RecurDyn / Viridian	13:00 Sponsor H Qarnot / tbc	
Introduction Platinum Sponsor: Dassault Systèmes Stephanie Bailey-Wood Dassault Systèmes	Introduction Silver Sponsors: 4a engineering / Altair Engineering	Introduction Silver Sponsors: Esteco / Cadfem-Ansys	Introduction Gold Sponsor: Siemens Digital Industries Software S. Ravi Shankar Siemens Digital Industries Software	Introduction Gold Sponsor: Hexagon Keb Nande Hexagon	Introduction Gold Sponsor: Rescale Karen Megarbane Rescale	Introduction Silver Sponsors: RecurDyn / Viridian	Introduction Silver Sponsors: Qarnot / tbc	

14:25 Break	14:25 Break	14:25 Break	14:25 Break	14:25 Break	14:25 Break	14:25 Break	14:25 Break	14:25 Break
15:00 3A Verification & Validation	15:00 3B AI Enabled Assisted Workflows	15:00 3C Reduced Order Modelling 1	15:00 3D Digital Engineering	15:00 3E NVH	15:00 3F Composites 1	15:00 3G Electric Vehicles	15:00 3H Connecting SDM and PDM/PLM	15:00 3J HPC
15:00 Introduction 15:05 Guidelines for Validation of Engineering Simulations. A new NAFEMS Publication Jean-Francois Imbert NAFEMS Technical Fellow	15:00 Introduction 15:05 Graph Neural Networks for Semantic Feature Identification Tim Newman National Composites Centre	15:00 Introduction 15:05 Machine Learning based Surrogate FEA Modelling Oliver Found TWI North East	15:00 Introduction 15:05 Simulation Eco System For Effective Virtual Development Bened Fachbach Fachbach-Consulting E.U.	15:00 Introduction 15:05 ML-based Tool to Improve NVH Performance of Body-car Structures Fabio Cavaliere SEAT	15:00 Introduction 15:05 A Machine Learning-Based Robust Design Approach for Reliable Use of Recycled Sho... Hendrik Dr. Schafstall Detroit Engineered Products	15:00 Introduction 15:05 ML-Based System-Level Optimization of an EV Cooling System Hendrik Dr. Schafstall Detroit Engineered Products	15:00 Introduction 15:05 Transformation of an In-house CFD Development Process Automation Tool into a SPD... Matthias Grundner Denso Automotive Deutschland	15:00 Introduction 15:05 An Industry Representative Benchmark Study on Current Capabilities for Parallel ... Adi Adamitroale Porsche EBike Performance
15:25 Use of Documented Practices in Simulation Verification and Validation Gregory Westwater Fisher Controls International LLC	15:25 Advanced AI driven Exploration Possibilities to Link Model Changes and Effects Daniela Steffes-Lal Fraunhofer SCAI	15:25 Predicting Flow and Settling of Falling Particles Ceyhan Sahin Noesis Solutions	15:25 Towards Sustainable Engineering: The Link between Model Credibility and Risk Fac... Joao Gregorio National Physical Laboratory	15:25 Integrated Testing and Simulation to Optimize and Streamline Development of Eec... Mathieu SARRAZIN Siemens Industry Software NV	15:25 Modeling Cure-Induced Thermo-Mechanical Effects in Carbon-Fiber Polymer Structur... Minh Hoang Nguyen Digital Blue	15:25 MBD-CFD Coupling Simulation of Oil Cooling Performance Analysis for E-motor WOOJIN SHIN FunctionBay	15:25 Streamlined Transition from CAD to CAE Structures for Optimized Product Developm... Spyros Tsamtas BETA CAE Systems SA	15:25 Orchestrating Hybrid HPC Environments: Strategies for Data Gravity and AI-Ready ... Romain Klein Rescale
15:45 The Path to Virtual Product V&V Uncertainty Quantification of Test and S... Frank Günther Kroon-Brenne	15:45 Empowering Organizations with Engineering Intelligence to Virtualize Product ... Paul Mc Grath Neural Concept Ltd.	15:45 Integrating Reduced Model Handling in an SPDM Environment Konstantinos Anagnostopoulos BETA CAE Systems India Pvt. Ltd.	15:45 Unlock the Full Potential of Technology Data Management – A Central Part in Prod... Hardy Krappe PÖtec AG	15:45 Electromagnetic and NVH Analysis of PMSM with Eccentricity and Rotor Magnetizati... Alain Yamcon ESA Group	15:45 Automated Generation of Anisotropic Material Models for the Simulation of Short- ... Wolfgang Korte PAET Engineering GmbH	15:45 Optimized EV Charging: AI-Driven Model Reduction Florian Dirksamer Drive GmbH	15:45 Electric Drive Engineering Emphasizing Fluid and Thermal Analysis: A Case Study ... Xavier Conqui Siemens Digital Industries Software France	

16:25 Break	16:25 Break	16:25 Break	16:25 Break	16:25 Break	16:25 Break	16:25 Break	16:25 Break	16:25 Break
17:00 4A AI/ML Governance	17:00 4B AI Enabled Automation	17:00 4C Simulating the Welding Process	17:00 4D Digital Twins 2	17:00 4E Dynamics & Vibration	17:00 4F Additive Manufacturing 2	17:00 4G Multiphysics 1	17:00 4H Simulation Data Management 2	17:00 4J Workshop
17:00 Introduction 17:05 Safety of AI Systems in Modeling and Simulation Young Lee UL Solutions	17:00 Introduction 17:05 Building Surrogate models for Physics Simulation using a no-code approach Asparuh Steyanov Key Ward	17:00 Introduction 17:05 Using FEA To Enhance Experiments in Thermal Processes Michael Roy TWI	17:00 Introduction 17:05 Digital Thread Foundations for Accelerated Multi-Disciplinary CAE Workflows Navin Bagga Rescale	17:00 Introduction 17:05 Predicting Dynamic Response of Centrifugal Pumps using Idealized Loading and Loa... Seren Thaland Grundfos	17:00 Introduction 17:05 Numerical Analysis of a Repair on an Impeller Using Directed Energy Deposition: ... Jos Vroon NLR - Royal Netherlands Aerospace Centre	17:00 Introduction 17:05 Open Source Vibro-Acoustic Simulation for Real-world Applications Antonio Balano Svizzera Unidant	17:00 Introduction 17:05 Enhancing Engineering Efficiency: The Synergy of SPDM and PIDO Integration Laurent Chev PSEvent	17:00 Introduction ASSESS - Plans for 2025 Nick Appleyard NAFEMS

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08:30 Welcome								
Welcome to Day 3								
08:35 Keynote								
Make Healthcare Better with Computational Modeling and Simulation Cheryl Liu Stryker Orthopaedics								
09:05 Keynote								
A Central Hub for Data Management and Process Automation – Ready for Virtual Cer... Frank Bauer BMW								

09:35 Break	09:35 Break	09:35 Break	09:35 Break	09:35 Break	09:35 Break	09:35 Break	09:35 Break	09:35 Break
10:30 5A Simulation Governance	10:30 5B AI supported Postprocessing	10:30 5C Fatigue 1	10:30 Sponsor Dassault Systèmes 2	10:30 5E Optimisation 1	10:30 5F MPS - Injection Moulding	10:30 5G Battery Design 2	10:30 5H Democratisation	10:30 5J Workshop
10:30 Introduction Safety Comes First: How to Do the Minimum Quality Assurance in Finite Element Mo... Alexandru Macovei Fokker Aerostructures	10:30 Introduction Interactive Search of Crash Deformation Patterns in a Database Comprising Severa... Stefan Müller Sidact	10:30 Introduction From The Paris Law To The 'Total-Life' Method: An Extensive Review Of Fatigue Cr... Andrew Halfpenny HBK	10:30 Introduction Platinum Sponsor: Dassault Systèmes Stephanie Bailey-Wood Dassault Systèmes	10:30 Introduction High Voltage Circuit Breaker Design with Multi-Objective Optimization Algorithms Wilhelm Thunberg Hitachi Energy	10:30 Introduction Cooling Strategy Evaluation and Optimization for the Injection Molding Process U... Yi Di Boon TE Connectivity Germany	10:30 Introduction Adapting To Meet The Electrification Challenge Graham Hill Caterpillar Inc	10:30 Introduction Automation and Democratization of High Fidelity Thermal Simulations of Electroni... Kim Nielsen Grundfos	10:30 Introduction Standardisation for Manufacturing Process Simulation Sjoerd Van Der Veen NAFEMS Manufacturing Process Simulation Working Gr...
10:55 Advances in Credibility of Modeling and Simulation: A Generic Framework Approach... Mohamed Beher Baradi Robert Bosch GmbH	10:55 Leveraging LLMs for Automated Post-Processing of HPC Simulation Output Logs James Inmie Rescale	10:55 Simulation-based Design Process For Metallic Structures Mathilde Laporte DLR - Deutsches Zentrum Für Luft Und Raumfahrt (DL...	10:55 Distributed Multi-disciplinary Design Optimization of Complex Engineering System... Hunor Erdelyi Siemens Industry Software	10:55 Non-intrusive Structural Prediction of Stretch Blow Moulded Bottles Liam McGovern University Of Belfast	10:55 Real-time prediction for an EV Battery Thermal Management Ajithkumar Jayakumar Siemens	10:55 Enabling R&D Through Digital Democratization: A Case Study In The Global Foo... Leonel Garatagaray INEXGA LLC	10:55 Real-time prediction for an EV Battery Thermal Management Ajithkumar Jayakumar Siemens	10:55 Enabling R&D Through Digital Democratization: A Case Study In The Global Foo... Leonel Garatagaray INEXGA LLC
11:15 Evolution of the Simulation Quality Standards Landscape Martin Kramer Knorr-Bremse SFS GmbH	11:15 Reimagining the Simulation Environment by Creating a Knowledge Database to Enhan... Prasad Mandava Visual Collaboration Technologies	11:15 Fatigue Analysis as Solver Integrated Standard Task for Part and Assembly Design Michael Klein INTES GmbH	11:15 Unified Non-Parametric Optimization Of Multiple Design Variable Types Pratik Upadhyay Dassault Systèmes Deutschland GmbH	11:15 Development of Gap & Flush Analysis Technology for Automobile Lamps Hyuck-Moon Gil SL Corporation	11:15 Battery Simulation - Synergies by Combining 1D & 3D Simulation Eric Link Siemens Industry Software GmbH	11:15 Democratization of Engineering Simulation: Enabling Technologies and Organiza... Bruce Webster Novus Neus	11:15 Democratization of Engineering Simulation: Enabling Technologies and Organiza... Bruce Webster Novus Neus	11:15 Democratization of Engineering Simulation: Enabling Technologies and Organiza... Bruce Webster Novus Neus
11:35 Credibility of Simulation Models: A Brick-by-Brick Approach Florent Mathieu EkoSim	11:35 Applied research on contextual graph databases: What are the findings for AI use... Christopher Wolf GNS Systems	11:35 Service Life Assessment of a Transportation-damaged Pipe Bobo Damjanovic Numkon	11:35 Enhanced Non-Parametric Topology-, Shape- And Sizing-Optimization Using Non-Line... Anton Juricik Simulia Scandinavia	11:35 Numerical Simulation of Filling and Cooling Phenomena in Injection Molding Atmane Thebibi Fabrication Sahariem Perform	11:35 Revolutionizing Battery Cold Plate Design Paul Mc Grath Neural Concept Ltd.	11:35 Development of an Automated and Democratised Simulation Process to Predict the B... Tobias Glesslein Esteco Software	11:35 Development of an Automated and Democratised Simulation Process to Predict the B... Tobias Glesslein Esteco Software	11:35 Development of an Automated and Democratised Simulation Process to Predict the B... Tobias Glesslein Esteco Software

11:55 Lunch	11:55 Lunch	11:55 Lunch	11:55 Lunch	11:55 Lunch	11:55 Lunch	11:55 Lunch	11:55 Lunch	11:55 Lunch
13:10 6A Solvers & Methods	13:10 6B Data Based Modelling	13:10 6C Fatigue 2	13:10 6D System Level Simulation	13:10 6E Discrete Element Method	13:10 6F MPS - Metals	13:10 6G Cosimulation	13:10 6H Automated Workflows	13:10 6J Short Training Course
13:10 Introduction From Traditional to Transformational: Cloud-Native Deployment of Established Non... David Heiny SimScale	13:10 Introduction Cloud-Enabled Generative AI for Preliminary Engineering Design Nima Ameri Rolls Royce	13:10 Introduction Predicting The Fatigue Life Of Adhesive And Hybrid Joints: An Effective Approach... Cristian Bagni HBK	13:10 Introduction Systems Simulation for the Evaluation and Down Selection of Fusion Engineering B... James Bailey UKAEA	13:10 Introduction A Novel Multi-scale Multi-physics Computational Framework for Predicting Process... Ali Nassiri Ohio State University	13:10 Introduction A Cost-effective Cold Roll-Forming FE Model for Industrial Applications Timothy Senart CRAM Group	13:10 Introduction A Novel Two-Scale Co-Simulation Approach for Solder Joint Modeling in Shock and ... Hanan Mao Ansys	13:10 Introduction Integration of a Structural Mechanics Module (SMM) into a Collaborative Engineer... Oliver Kunc DLR - Deutsches Zentrum Für Luft- Und Raumfahrt	13:10 Introduction Process Integration and Design Optimization - A Practical Guide Gino Duffert NAFEMS Iberia
13:35 Meshing-Free Isogeometric Analysis: The Flex Representation Method in Engineerin... Michael Scott Conform LLC	13:35 Method For Determining Operating Loads On Rail Vehicles Using AI Tools Mathilde Laporte DLR - Deutsches Zentrum FAVR Luft- Und Raumfahrt	13:35 Virtual Testing for Fatigue Prediction in Variable Loading Scenarios Using CDM a... Javier Domingo Lopez Airbus Defence And Space	13:35 Impact Assessment Of Road Safety Measures - Developing Guidelines for Simulation... Peter Wimmer Virtual Vehicle Research	13:35 What Makes a Model Good? A Review Of Applications Across Industries Augusto Moura DCS Computing	13:35 Design Exploration of Hot Ironing Process Using Finite Element Method Bulent Acar Region Machine And Tool Industry And Trade	13:35 Accurate Modeling Of Power Electronics Effects In Electric Aviation Through Co-s... Philipp Wolfrum Siemens	13:35 Automation of the CFD Simulation Workflow in the Industrial Application Tomaz Plusa Valco	13:35 Automation of the CFD Simulation Workflow in the Industrial Application Tomaz Plusa Valco
13:55 Reverse Engineering in Simulation - Bridging Meshes and CAD for Seamless Integra... Gerd Schwaderer ESI Germany	13:55 Generative-AI for Preliminary Engineering Design Yashwant Lladhar Gurbani Rolls-Royce Group PLC	13:55 Fatigue Life Analysis as Part of the Design Optimization Process for Welded Stru... George Korbetis BETA CAE Systems	13:55 Enhancing System Modeling Workflows with Knowledge Graphs and Generative AI Kai Liu Siemens Digital Industries Software	13:55 A Study on the Damage of Dump Truck Loading Box Based on Dynamic Behavior of Agg... Seunghun Ryu Hyundai Motor	13:55 Advancing Stability and Accuracy in 2D Metal Cutting Simulations: An Expanded AL... Andreas Nemetz University Of Linz	13:55 MBS - FEA Co-Simulation approach applied to a coupled Vehicle-Tire in an Abuse L... Bruno Passone Dassault Systèmes	13:55 Cloud-based Automated CFD Design Tools Using the Example of the Heat Treatment o... Ulrich Heck DHCAE Tools	13:55 Cloud-based Automated CFD Design Tools Using the Example of the Heat Treatment o... Ulrich Heck DHCAE Tools
14:15 Application of High Performance Computing to Structural Acoustics Predictions Kuangcheng Wu NSWCDD	14:15 Empowering Syringe Designers to Assess Device Performance with Physics-based Mac... Sunil Sutar Dassault Systèmes	14:15 The Fatigue Benchmarking Repository Project: Objectives and Its Relevance to NAF... Jan Pappas Czech Technical University	14:15 Determining the Accuracy and Efficiency of Robot Performance in a Non-Idealized ... Brant Ross EnginSoft USA	14:15 Integrated Multi-physics Optimization of Automotive Road Wheels Using Advanced M... Marco Evangelos Biancolini RBF Morph	14:15 Integrated Multi-physics Optimization of Automotive Road Wheels Using Advanced M... Marco Evangelos Biancolini RBF Morph	14:15 Integrated Multi-physics Optimization of Automotive Road Wheels Using Advanced M... Marco Evangelos Biancolini RBF Morph	14:15 Integrated Multi-physics Optimization of Automotive Road Wheels Using Advanced M... Marco Evangelos Biancolini RBF Morph	

14:35 Break	14:35 Break	14:35 Break	14:35 Break	14:35 Break	14:35 Break	14:35 Break	14:35 Break	14:35 Break
15:20 7A Probabilistic Methods	15:20 7B Workshop	15:20 7C Joints & Connections	15:20 7D Reduced Order Modelling 2	15:20 7E Topology Optimisation	15:20 7F Materials 1	15:20 7G CFD Supporting Design	15:20 7H Computational Electromagnetics	15:20 7J Workshop
15:20 Introduction A Study on Probabilistic Analytical Target Cascading for Robust Vehicle R&H Deve... Jiin Jung Hyundai Motor Group	15:20 Introduction Speaking of Simulation Live – Machine Learning Marton Greza NAFEMS	15:20 Introduction Nonlinear Cohesive Zone Modeling for Adhesives Tobias Waffenschmidt 3M Deutschland GmbH	15:20 Introduction Systems Simulation For Fusion Using Novel Augmented CMS Reduction Techniques Tom Delghan UK Atomic Energy Authority	15:20 Introduction Bionic Carbody: Lightweight Rail Car Development - From Topology Optimization to... Robert Nedeljk Siemens Mobility Austria GmbH	15:20 Introduction Automotive Applications of the Crystal Plasticity Finite Element Method for Pred... Petri Neoklyns Valero	15:20 Introduction Importance of CFD for Design of Heat Ventilation Air Condition Unit (HVAC) For P... Petr Nekolny Valero	15:20 Introduction Non-Linear Magnetisation Architecture for Improved Magnetic Performance Oliver Found TWI North East	15:20 Introduction Simulation-Driven Product Validation Strategies Frank Günther Knorr-Bremse SFS GmbH
15:45 Machine Learning in Simulation - Ensuring Robust and Reliable Products Jochen Kintig Centi	15:45 Multidisciplinary Mesh-independent Approach for Damage and Failure Simulation of... Patrick Wurnn Magna Steyr Fahrzeugtechnik	15:45 High-Fidelity Simulation of Electric Vehicle based on Reduced Order Models to Ad... Eric Link Siemens Industry Software GmbH	15:45 High-Fidelity Simulation of Electric Vehicle based on Reduced Order Models to Ad... Eric Link Siemens Industry Software GmbH	15:45 Efficient Generative Design Process with FEM Based Topology Optimization Nils Wagner INTES GmbH	15:45 Extending a Material Master System by Multi CAE Material Information Mats Diekmann Maples	15:45 Cross-wind Aerodynamic Analysis of Electric Cargo Scooter Designs using the Unif... Pranav Shinde Revoluta Motors	15:45 Signal Detection of Metallic Microwires Within Carbon-Fibre Composites by Numeri... Wolfgang Krach CAE Simulation & Solutions Maschinenbau Ingenieur...	15:45 Signal Detection of Metallic Microwires Within Carbon-Fibre Composites by Numeri... Wolfgang Krach CAE Simulation & Solutions Maschinenbau Ingenieur...
16:05 Cross Domain Applications of Fragility Surfaces Roland Niemeier Ansys Germany	16:05 Techniques for Inverse Calibration of Cohesive Zone Models Mark Oliver Vergest Engineering	16:05 Using Machine Learning For Advancements Beyond Traditional Reduced Order ModelR... Markus Wagner Ansys Deutschland GmbH	16:05 Using Machine Learning For Advancements Beyond Traditional Reduced Order ModelR... Markus Wagner Ansys Deutschland GmbH	16:05 Topology Optimization of Submodels using Voxel Based Engineering Approach Thomas Rehber Hexagon Manufacturing Intelligence GmbH	16:05 AI-Driven Design, Simulation And Optimization Of Novel Meta-Materials For Heat T... Alessia Perilli Fimat	16:05 Modelling Aero-Optical Turbulent Effects On The European Solar Telescope Using C... Mahy Soler Instituto De Astrofísica De Canarias	16:05 How Machine Learning is changing Electromagnetic Compatibility Simulation Jan Hansen Technische Universität Graz	16:05 How Machine Learning is changing Electromagnetic Compatibility Simulation Jan Hansen Technische Universität Graz

