

Agenda Regional User Meeting - EuroCentral Day 1 - May 5th Bamberg				
Time (EST)				
Track 1		Track 2		Track 3
EMAG: SEMINAR		Structures: SEMINAR		MBS: SEMINAR
3:00 PM Electromagnetics: Advanced Topics		Structures: Abaqus in a nutshell: The complete best-practice series		Multibody System Simulation: Simpact in the automotive sector - Features, workflows and performance
Fluids: Shaping the Sound of Comfort in High-Performance Design with PowerFLOW Aeroacoustics Solutions				
6:30 PM Evening Networking Reception – Come Together Day 1				

Agenda Regional User Meeting - EuroCentral Day 2 - May 6th Bamberg				
Time (EST)				
8:30 AM Registration open 60 minutes				
Plenary				
9:30 AM Welcome & Introduction – <i>Christian Barthel & Matthieu PLAGNARD, Dassault Systèmes</i>				
9:55 AM Manager Welcome – <i>Sabine Scheunert, Dassault Systèmes</i>				
10:10 AM SIMULIA Brand Update – <i>Sebastien GAUTIER, Dassault Systèmes</i>				
10:40 AM Keynote 1: The Best for the Athlete: Virtual Testing of Advanced Footwear Technology – <i>Marties NITSCHKE, adidas AG</i>				
11:10 AM Keynote 2: Efficient development by virtual prototyping: A connector manufacturer's view – <i>Michael WOLLITZER, Rosenberger Hochfrequenztechnik GmbH & Co. KG</i>				
11:40 AM Lunch 1 hour 30 minutes				
Poster				
Track 1		Track 2		Track 3
Structures: Material		EMAG: EMC / EMI		MBS: NVH & Acoustic
1:10 PM Some Aspects of Rubber Instabilities <i>Herbert BAASER, TH Bingen</i>		R&D Outlook: Electromagnetics <i>Peter HAMMES, Dassault Systèmes</i>		Simulation-Based Assessment of Dimensional Tolerances on the Acoustic Behavior of Planetary Gearboxes in Electric Vehicle Drivetrains <i>Alexander FISCHER, ARRK Engineering GmbH</i>
1:35 PM A performance comparison between a recycled PC-ABS and a virgin <i>Frank SCHÜSSLER, LG Chem Europe GmbH</i>		Characterization and simulation of BCI clamps, considering calibration and resonance effect <i>David SZERENCÉS, Thyssenkrupp Components Technology Hungary Kft.</i>		Validation of an elastic multibody model of a tractor based on force measurements <i>Stefan UHLAR, OST Ostschweizer FH</i>
2:00 PM Advanced Capabilities of the 3DEXPERIENCE Material Calibration Tool <i>Jakub MICHALSKI, TECHNIA Sp. z o.o.</i>		Enhanced Power Path Optimization (EPPO) Model for Electrical Axles and Drive Systems <i>Illia MANUSHYN, ZF Friedrichshafen AG</i>		Modeling of electrical driven axle for commercial vehicles in different level of details <i>Marc LÄSSING & Tilmann RENZ, Daimler Truck AG</i>
2:25 PM Optimizing Polypropylene Creep Model Calibration: A Comparative Study of Algorithms <i>Adam KASPRZAK, Robert Bosch Sp. z. o. o.</i>		Modeling approach to predict the output characteristics of transistors in the frequency domain <i>Jan Pascal HENNINGER, TU Graz - IFE</i>		Simulations of hand-arm vibrations when using power tools <i>Valentin KEPPLER, Biomotion-Solutions</i>
2:50 PM An approach to the calibration of advanced material models in IDIADA <i>Ondrej MARADA, IDIADA CZ a.s.</i>		Protecting Sensitive Supply Inputs against ESD Interference <i>Joachim HELD, Siemens AG</i>		R&D Outlook: MBS <i>Wolfgang TRAUTENBERG & Axel DEWES, Dassault Systèmes</i>
How accurate are Fluid Simulation results obtained with the FMK role? <i>Michael KIRCHBERGER, Technia Austria GmbH</i>				
Finite Element (FE) Analysis of Packaging Material Characterization and Converting Process: Numerical and Experimental Investigations using Abaqus <i>Abdulhasan GIASHI, SIG Combibloc System GmbH</i>		Advancing Glass Molding Technology: FEM Simulations and Data-Driven-based Optimization for High-Precision Lens Manufacturing <i>Hamidreza PRAIA, RWTH Aachen - IPT</i>		
3:15 PM Break 30 minutes				
Track 1		Track 2		Track 3
MODSIM		EMAG: EMC / EMI, 2		MBS: Rail & Vehicle Dynamics
3:45 PM Leveraging the 3DEXPERIENCE Platform as a Comprehensive Antenna Component Library <i>Rahul SEQUEIRA, Ericsson Antenna Technology Germany GmbH</i>		Shielding Effectiveness Simulation <i>Andreas BARCHANSKI, Dassault Systèmes</i>		Practices, experience and challenges with Simpact usage at DB Systemtechnik <i>Shiping DONGFANG, DB Systemtechnik GmbH</i>
4:10 PM Virtual Human Jo - Enhanced Tissue Model for Analysis of Large Postural Variations <i>Martin ESCHENBACH, HS Offenburg Simuserv GmbH</i>		Radaited Immunity Simulation of a DUT test setup up to 6 GHz <i>To be announced</i>		Application of SIMPACK Software in Rail Vehicle Design <i>Tomasz ZALUSKI, EC Engineering sp. z o. o.</i>
4:35 PM How to Support Additive Manufacturing with Simulations <i>Adam HYBLER, COMTES FHT a.s.</i>		Data-Driven Contact Placement for Housing Resonance Suppression - <i>Yuming DU, Robert Bosch GmbH</i>		Aeroacoustic simulations at TU Delft, from isolated propellers to full-aircraft systems <i>Frits DE PRENTER, Delft University of Technology</i>
5:00 PM R&D Outlook: Structural Mechanics, Tosca – Chris WHITING, Dassault Systèmes		Semirigid Cable Bending - Measurement and Modeling <i>Vratislav SOKOL, Rohde & Schwarz závod Vimperk, s.r.o.</i>		Aeroacoustic Simulation of a High-Subsonic Maglev Train: Far Field Noise and Sources Characterization <i>- To be announced</i>
Optimizing Heat Pump Acoustics: A Simulation-Based Approach <i>Alister CLAY, Bosch Thermotchnik GmbH & Afaq MUSTAFA, Dassault Systèmes</i>		Use of moisture-dependent material models of Fiber Reinforced Plastic components to simulate the Resonant Ultrasound Spectroscopy tests <i>Filip ZELAWSKI, BWI GROUP / AGH University of Krakow</i>		
On Finite Element Simulation of Automotive Seat Upholstery Process Using ABAQUS <i>Vahid MOHAMMADI, TH Deggendorf</i>		Reduced Weld Line Strength of Injection Molded Plastic Components <i>Sascha FAZOUR, PART Engineering GmbH</i>		
5:25 PM Break 10 minutes				
Plenary				
5:35 PM SIMULIA - Champion program				
5:45 PM SIMULIA - Technology R&D Vision - <i>Chris WHITING, Dassault Systèmes</i>				
6:05 PM Evening Networking Reception – Come Together Day 2				

Agenda Regional User Meeting - EuroCentral Day 3 - May 7th Bamberg				
Time (EST)				
8:30 AM Registration open 30 minutes				
Track1		Track2		Track 3
Gold Sponsor:		EMAG: Optics & 3DEXPERIENCE		Structure: Thermo-Mechanics
9:00 AM Carrera Race Track – A Multiphysics Project on 3DEXPERIENCE - <i>Alexander SIEFERT, Simuserv</i>		Ligament size dependent optical properties of nanoporous gold <i>Muhammad Salman WAHIDI, TUHH Hamburg</i>		Coupled Workflows for Thermomechanical and Oxidative Aging Analysis in Elastomers <i>Tom Ebbott, Endurica Europe Sarl</i>
9:25 AM Machine Learning in Simulation – Ensuring Robust and Reliable Products - <i>Jochen KINZIG, Cenit AG</i>				
9:50 AM TBD – <i>To be announced</i>		Water-based Antenna <i>Julia BRANDT, TUHH Hamburg</i>		Simulation-based evaluation of the manufacturing process of an aircraft fin component based on thermomechanical measurements <i>Robert Hein, German Aerospace Center DLR</i>
Smarter Automated Engineering with CST and 3DEXPERIENCE <i>Ali ARSHADI, TECHNIA GmbH</i>		Seems Simple, yet Complex in Physics: Details of a Coupled, Thermal-Diffusion Stress Analysis in ABAQUS <i>Gábor BREZVAI, CAD-Terv Kft, Member of 3DX Alliance</i>		
10:15 AM Break 30 minutes				
Track 1		Track 2		Track 3
Structure: Special topics		MBS: Gears & Drivetrain		Structures: Coupling & Subroutines
10:45 AM Simulative Evaluation of Bearing Seat Wear <i>Andreas HÄUBL, Magna Engineering Center Steyr GmbH & Co KG</i>		Validation of a Flexible Multibody Model for an External Gear Pump <i>Kristian MURKOVIC, OST Ostschweizer FH</i>		Fracture predictions for aluminium alloy and steels in Abaqus using the user subroutine <i>Frantisek SEBEK, Brno University of Technology</i>
11:10 AM Richard in Eigenland: Linear Dynamics in a Nutshell The Final Nutshell: 25 Years of Simulation with Abaqus and Friends - <i>Axel REICHERT, Dassault Systèmes</i>		Using Neural Networks to Speed up Gear Contact Calculations in Simpact <i>Marius WILLECKE, RWTH Aachen - WZL</i>		Modelling Interface Behaviour: A numerical approach using advanced constitutive laws <i>Michael NIEBLER, TU München</i>
11:35 AM Estimation of the Local Normal Stiffness for the whole Surface of Interior Trims using Eigenvalue Extraction Analysis <i>Lukas UTZIG, BMW Group</i>		An efficient simulation chain for predicting the vibro-acoustic behavior of industrial gear units <i>Prateek CHAVAN, SEW-EURODRIVE GmbH & Co. KG</i>		From CEL to Lagrange: A Hybrid Workflow for Extreme Deformations and Subsequent Analysis <i>Kai SCHEIBA, Dassault Systèmes</i>
12:00 PM Five Different Approaches of how to Model Screws/ Bolts in Abaqus with Typical Applications <i>Rainer OHLMS, Bechtle PLM Deutschland GmbH</i>		Accelerating NVH optimization of electric drivetrains through automated modeling and simulation workflows <i>Julius MÜLLER, RWTH Aachen - ISME</i>		Co-simulation between Abaqus and a custom 3rd-party solver using the CSE Api <i>Martin SCHULZ, Dassault Systèmes</i>
Circuit and Particle-in-Cell Simulation studies of magnetron generators for industrial, scientific and medical applications <i>Marius BLAZEJEWICZ, Kubara Lamina S.A.</i>		Modelling and Optimisation of Power Loss in Thin Shelled Structure for Microwave Heating Applications <i>Anupam AKOLKAR, ALPLA Werke Alwin Lehner GmbH & Co KG</i>		
Broadband feed antenna design optimized for very compact antenna test range <i>Adam TANKIELUN, Rohde & Schwarz GmbH & Co. KG</i>		Advanced Design and Integration of Dual-Band WiFi Antennas in Home Appliances <i>Ibrahim ELABYAD, BSH Hausgeräte GmbH</i>		
12:25 PM Lunch 1 hour 15 minutes				
Poster				
Plenary				
1:40 PM MODSIM is awesome, and enables Machine learning too – <i>Gregor JUDEX, Dassaults Systèmes</i>				
2:10 PM Keynote 3: Enabling Connected Engineering with MODSIM: First Usecases and Strategic Partnership – <i>Nicolas Brossardt, BMW AG</i>				
2:40 PM Keynote 4: Co Simulation as the method to simulate complex systems behavior – <i>Tomasz LUKASIK, Tenneco</i>				
3:10 PM AI Examples – <i>Victor OANCEA, Dassault Systèmes</i>				
3:40 PM Closing				
4:00 PM END				