Agenda Regional User Meeting - EuroCentral | Day 1 - May 5th | Bamberg

Time (EST)

	Track 1	Track 2	Track 3	Track 4
	EMAG: SEMINAR	**Structures: SEMINAR**	**MBS: SEMINAR**	**Fluids: SEMINAR**
3:00 PM	Electromagnetics: Advanced Topics	Structures: Abaqus in a nutshell: The complete best-practice series	Multibody System Simulation: Simpack 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 – *Christian BARTHEL & Matthieu PLAGNARD, Dassault Systèmes*

9:55 AM SIMULIA Brand Insights – *Sebastien GAUTIER, Dassault Systèmes*

10:25 AM Keynote 1: The Best for the Athlete: Virtual Testing of Advanced Footwear Technology – *Marlies NITSCHKE, adidas AG*

10:55 AM Break | 15 minutes

11:10 AM SIMULIA - Smarter Testing – Virtual + Real Hybrid Testing - *Anthony GOFF, Dassault Systèmes*

11:40 AM Keynote 2: Efficient development by virtual prototyping: A connector manufacturer's view – *Michael WOLLITZER, Rosenberger Hochfrequenztechnik GmbH & Co. KG*

12:10 PM Lunch | 1 hour 20 minutes

Poster

	Track 1	Track 2	Track 3	Track 4	Track 5
	Structures: Welding & Material	**EMAG: EMC / EMI**	**MBS: NVH & Acoustic**	**Fluids**	**Structure: Optimization & Customization**
1:30 PM	Welding Simulation in Abaqus *Maciej MAJERCZAK, Valeo*	**R&D Outlook: Electromagnetics** ***Peter HAMMES, Dassault Systèmes***	Simulation-Based Assessment of Dimensional Tolerances on the Acoustic Behavior of Planetary Gearboxes in Electric Vehicle Drivetrains *Alexander FISCHER, ARRK Engineering GmbH*	Powerflow simulations in high performance sports *Ralf GOLLMICK, Institute for Research and Development of Sports Equipment (FES)*	Topology Optimization and Design exploration of an Automotive Component *Aniket BADGUJAR, Systemworkx AG*
1:55 PM	A performance comparison between a recycled PC-ABS and a virgin *Frank SCHÜSSLER, LG Chem Europe GmbH*	Characterization and simulation of BCI clamps, considering calibration and resonance effect *Dávid SZERENCÉS, Thyssenkrupp Components Technology Hungary Kft.*	Simulations of hand-arm vibrations when using power tools *Valentin KEPPLER, Biomotion-Solutions & Benjamin PUCHELE, Hilti Entwicklungsgesellschaft mbH*	Thermal Comfort Evaluation during Vehicle Development *Daniel GEHRINGER, FKFS | Research Institute for Automotive Engineering and Powertrain Systems Stuttgart*	**R&D Outlook: Optimization and Process Composer** ***Andras LASZLOFFY, Dassault Systèmes***
2:20 PM	Advanced Capabilities of the 3DEXPERIENCE Material Calibration Tool *Jakub MICHALSKI & Marcin WIERSZYCKI, TECHNIA Sp. z.o.o.*	Enhanced Power Path Optimization (EPPO) Model for Electrical Axles and Drive Systems *Illia MANUSHYN, ZF Friedrichshafen AG*	Modeling of electrical driven axle for commercial vehicles in different level of details *Marc LÄSSING & Tilmann RENZ, Daimler Truck AG*	Impact of Building Wake Turbulence on the Noise Footprint of a UAM Vehicle *Jatinder GOYAL, Delft University of Technology*	Advancing Glass Molding Technology: FEM Simulations and Data-Driven-based Optimization for High-Precision Lens Manufacturing *Hamidreza PARIA, RWTH Aachen - IPT*
2:45 PM	Optimizing Polypropylene Creep Model Calibration: A Comparative Study of Algorithms *Adam KASPRZAK, Robert Bosch Sp. z. o. o.*	Modeling approach to predict the output characteristics of transistors in the frequency domain *Jan Pascal HENNINGER, TU Graz - IFE*	**R&D Outlook: MBS** ***Wolfgang TRAUTENBERG & Axel DEWES, Dassault Systèmes***	An overview of different aerodynamic noise source identification and quantification techniques *Damiano CASALINO, Dassault Systèmes*	Lightweight rollerbearing seats: Investigation and optimization with SIMPACK, TOSCA and ABAQUS *Norbert SCHROEDER & Jochen BREGAR, BMW AG*
3:10 PM	An approach to the calibration of advanced material models in IDIADA *Ondrej MARADA, IDIADA CZ a.s.*	Protecting Sensitive Supply Inputs against ESD Interference *Joachim HELD, Siemens AG*		Optimizing Heat Pump Acoustics: A Simulation-Based Approach *Alister CLAY, Bosch Thermotechnik GmbH & Afaq MUSTAFA, Dassault Systèmes*	Finite Element (FE) Analysis of Packaging Material Characterization and Converting Process: Numerical and Experimental Investigations using Abaqus *Abdulhasan GIASHI, SIG Combibloc System GmbH*

3:35 PM Break | 20 minutes

	Track 1	Track 2	Track 3	Track 4	Track 5
	MODSIM	**EMAG: EMC / EMI, 2**	**MBS: Rail & Vehicle Dynamics**	**Fluids**	**Structure: Postprocessing, Composite and Foam**
3:55 PM	Leveraging the **3D**EXPERIENCE Platform as a Comprehensive Antenna Component Library *Christian PETERMEIER & Rahul SEQUEIRA, Ericsson Antenna Technology Germany GmbH*	Shielding Effectiveness Simulation *Andreas BARCHANSKI, Dassault Systèmes*	Practices, experience and challenges with Simpack usage at DB Systemtechnik *Shiping DONGFANG, DB Systemtechnik GmbH*	**R&D Outlook: Fluids** ***Benjamin DUDA, Dassault Systèmes***	Neuigkeiten und Updates in Animator4 und Generator4 *Christoph KAULICH, GNS*
4:20 PM	Virtual Human Jo - Enhanced Tissue Model for Analysis of Large Postural Variations *Martin ESCHENBACH, HS Offenburg / Simuserv GmbH*	Beyond 1 GHz: Confronting the Complexities of Robust Radiated Immunity Simulation in CST *Yvonne SPÄCK-LEIGSNERING, Robert Bosch GmbH*	Application of SIMPACK Software in Rail Vehicle Design - *Tomasz ZALUSKI, EC Engineering sp. z o. o.*	Aeroacoustic simulations at TU Delft, from isolated propellers to full-aircraft systems *Frits DE PRENTER, Delft University of Technology*	Reduced Weld Line Strength of Injection Molded Plastic Components *Sascha PAZOUR, PART Engineering GmbH*
4:45 PM	How to Support Additive Manufacturing with Simulations - *Adam HYBLER, COMTES FHT a.s.*	Large Antenna Array Simulation with Domain Decomposition Method *Dawood NULWALLA, Dassault Systèmes.*	Optimization of Rail Vehicle Dynamics: Steering Parameter Sensitivity and Wheel Wear Reduction via Simpack - Simulink Co-Simulation *Lukas LINDBICHLER, TU Graz*	Aeroacoustic Simulation of a High-Subsonic Maglev Train: Far Field Noise and Sources Characterization *Carlo Alberto PERUGINI, Dassault Systèmes*	Use of moisture-dependent material models of Fiber Reinforced Plastic components to simulate the Resonant Ultrasound Spectroscopy tests *Filip ZELAWSKI, BWI GROUP / AGH University of Krakow*
5:10 PM	**R&D Outlook: Structural Mechanics** ***Chris WOHLEVER, Dassault Systèmes***	Semirigid Cable Bending - Measurement and Modeling *Vratislav SOKOL, Rohde & Schwarz závod Vimperk, s.r.o.*	Automotive Multibody Simulations applied in the Development of a Formula Student Race Car *Philipp CZACHOR, TU-Wien Racing Team*	How accurate are Fluid Simulation results obtained with the FMK role? *Michael KIRCHBERGER, Technia Austria GmbH*	

5:35 PM Break | 10 minutes

Plenary

5:45 PM SIMULIA - Champion program

5:55 PM MODSIM is awesome, and enables Machine learning too – *Gregor JUDEX, Dassaults Systèmes*

6:25 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 **3D**EXPERIENCE – *Alexander SIEFERT, Simuserv GmbH*	Ligament size dependent optical properties of nanoporous gold *Muhammad Salman WAHIDI, TUHH Hamburg*	Coupled Workflows for Thermomechanical and Oxidative Aging Analysis in Elastomers *Thomas G. EBBOTT, Endurica Europe Sarl*
9:25 AM	Machine Learning in Simulation – Ensuring Robust and Reliable Products – *Jochen KINZIG, Cenit AG*	Water-based Antenna *Julia BRANDT, TUHH Hamburg*	Simulation-based evaluation of the manufacturing process of an aircraft fin component based on thermomechanical measurements *Robert HEIN, German Aerospace Center DLR*
9:50 AM	Evaluation of the flow characteristics of components for exhaust systems in fuel cell applications – *Sebastian HOFMANN, Sebastian GROTH & Stefan LAUSTROER, Westfalia Metal Hoses GmbH & Bechtle PLM Deutschland GmbH*	Smarter Automated Engineering with CST and **3D**EXPERIENCE *Ali ARSHADI, TECHNIA GmbH*	Seems Simple, yet Complex in Physics: Details of a Coupled, Thermal-Diffusion Stress Analysis in ABAQUS *Gábor BREZVAI, CAD-Terv Kft, Member of 3DX Alliance*

10:15 AM Break | 30 minutes

	Track 1	Track 2	Track 3	Track 4	Track 5
	Structure: Special topics	**MBS: Gears & Drivetrain**	**Structures: Coupling & Subroutines**	**EMAG: Thermal / Multiphysics**	**EMAG: Antenna**
10:45 AM	Simulative Evaluation of Bearing Seat Wear *Andreas HÄUBL, Magna Engineering Center Steyr GmbH & Co KG*	Accelerating NVH optimization of electric drivetrains through automated modeling and simulation workflows *Julius MÜLLER, RWTH Aachen - IMSE*	Fracture predictions for aluminium alloy and steels in Abaqus using the user subroutine *Frantisek SEBEK, Brno University of Technology*	Using numerical simulations for complex designing of high-power microwave travelling wave tubes *Emil SZKOP, Kubara Lamina S.A.*	Design and metrological characterization of a dual-polarized antenna for polarimetry applications in the mm-wave range (77-81 GHz) *Felix WINTERGERST, FAU Erlangen-Nuremberg*
11:10 AM	Five Different Approaches of how to Model Screws/ Bolts in Abaqus with Typical Applications *Rainer OHLMS, Bechtle PLM Deutschland GmbH*	Using Neural Networks to Speed up Gear Contact Calculations in Simpack *Marius WILLECKE, RWTH Aachen - WZL*	Modelling Interface Behaviour: A numerical approach using advanced constitutive laws *Michael NIEBLER, TU München*	Verification of CST Studio Suite for PCB Thermal Simulation *Ondrej STEJSKAL, Valeo R&D*	Electromagnetic Modeling of Automotive Radar Sensors for Trunk Opening Applications *Johannes STEGNER, Brose Fahrzeugteile SE & Co. KG*
11:35 AM	Estimation of the Local Normal Stiffness for the whole Surface of Interior Trims using Eigenvalue Extraction Analysis *Lukas UTZIG, BMW Group*	An efficient simulation chain for predicting the vibro-acoustic behavior of industrial gear units *Prateek CHAVAN, SEW-EURODRIVE GmbH & Co. KG*	From CEL to Lagrange: A Hybrid Workflow for Extreme Deformations and Subsequent Analysis *Kai SCHEIBA, Dassault Systèmes*	Modelling and Optimisation of Power Loss in Thin Shelled Structure for Microwave Heating Applications *Anupam AKOLKAR, ALPLA Werke Alwin Lehner GmbH & Co KG*	Broadband feed antenna design optimized for very compact antenna test range *Adam TANKIELUN, Rohde & Schwarz GmbH & Co. KG*
12:00 PM	Richard in Eigenland: Linear Dynamics and the Final Nutshell *Axel REICHERT, Dassault Systèmes*		Co-simulation between Abaqus and a custom 3rd-party solver using the CSE Api *Martin SCHULZ, Dassault Systèmes*	Circuit and Particle-in-Cell Simulation studies of magnetron generators for industrial, scientific and medical applications *Marius BLAZEJEWICZ, Kubara Lamina S.A.*	Advanced Design and Integration of Dual-Band WiFi Antennas in Home Appliances *Ibrahim ELABYAD, BSH Hausgeräte GmbH*

12:25 PM Lunch | 1 hour 15 minutes

Poster

Plenary

1:40 PM Keynote 3: Enabling Connected Engineering with MODSIM: First Usecases and Strategic Partnership – *Nicolas BROSSARDT, BMW AG*

2:10 PM Keynote 4: Co Simulation as the method to simulate complex systems behavior – *Tomasz LUKASIK, Tenneco*

2:40 PM AI Examples – *Victor OANCEA, Dassault Systèmes*

3:10 PM Closing

3:30 PM END