

Agenda Regional User Meeting - EuroCentral Day 2 - June 25th Bamberg				
Time (CEST)				
8:00 AM Registration open 30 minutes				
Track 1	Track 2	Track 3	Track 4	Track 5
8:30 AM Structure: Optimization - Chairman: Jochen Biel Optimization of the Shear Stress Concentration in Bonded Stepped Lap Joint using an Abaqus Finite Element Analysis and a Scipy Algorithm – <i>Arold NZEKE ZEDOM, HAW Hamburg</i>	8:30 AM EMAG: EMC/EMI - Chairman: TBA Virtual Reality-Based Interface for EMI Filter Modeling – <i>Jan HANSEN & Jan EBERL, Graz University of Technology</i>	8:30 AM 3DX - Chairman: Florian Hübler Illuminating Insights: Shedding Light on WELDEX's Simulation Landscape – <i>Marek ROH, Weldex Corp.</i>	8:30 AM Structures - Chairman: Axel Reichert Simulation of inductive heating - Results from a literature study and experience with Abaqus – <i>Ralf PASSMANN, SystemworkxAG</i>	8:30 AM Life Science - Chairman: Tilmann Wittig TBD - not yet authorized
8:55 AM Topology Optimization of a Lower Damper Linkage with Focus on Nonlinear Buckling Solution: An Industrial Application of Abaqus and Tosca Structure – <i>André MARSCHNER, thyssenkrupp Bilstein GmbH</i>	8:55 AM Einordnung physikalischer Vernetzungslösungen in zukünftige Fahrzeugarchitekturen und Massekonzepte – im Kontext des öffentlich geforderten Forschungsprojekts CeCaS-Mannheim – <i>Sebastian SCHWÄRZLER, ZF Group</i>	8:55 AM Development of a High-Precision Cryogenic E-Motor Regulation Valve – <i>Elise VERDIERE, deltaVision GmbH</i>	8:55 AM Generation of Multiaxial Stresses for Channel-based Fatigue Calculation using Abaqus Simulations, considering Nonlinearities such as Contacts, Hyperelasticity and large Deformations – <i>Stefan KAINDL, Engineering Center Steyr GmbH</i>	8:55 AM Hierarchical VVUQ Strategy for the Development and Credibility Assessment of a Pulmonary Heart Valve Model – <i>Nils GÖTZEN, 4RealSim Services BV</i>
9:20 AM Recent Developments in Shape and Bead Optimization – <i>Ralf MESKE, Federal-Mogul Nürnberg GmbH</i>	9:20 AM Not yet authorized	9:20 AM From Filament to Firmament: Crafting a Drone – <i>Linus TRUMMLER, CENT AG</i>	9:20 AM Molding Technology Enables Broad Glass Applications – <i>Cheng JIANG, RWTH Aachen - IPT</i>	9:20 AM Design Study of Wheelchair Cushions regarding Static and Dynamic Load Cases – <i>Alexander SIEFERT, Simuserv GmbH</i>
9:45 AM End to End CAD, Nonparametric Optimization on the 3DEXPERIENCE Platform – <i>Peter CLAUSSEN, Dassault Systèmes</i>	9:45 AM To be announced	9:45 AM CAE - Virtualization – <i>Martin NACHTIGAL, Systemworkx AG</i>	9:45 AM Spaghetti, Hockey Pucks, and infinity squared - Elasticity in a Nutshell – <i>Axel REICHERT, Dassault Systèmes</i>	9:45 AM How can Weeds be destroyed with High Voltage without Chemicals and Pesticides? – <i>Werner GROMMES, Privat</i>
10:10 AM Break 30 minutes				
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10:40 AM Virtual Structure: Optimization & Customization - J. Biel Virtual Testing and Optimization as Enabler for 3D Skeleton Winding (3DSW) Lightweight Structures – <i>Stefan HAAS, Simutence GmbH</i>	10:40 AM EMAG: EMC/EMI - II - Chairman: Waldemar Schulz Extending the Long Wire Method (LWM) for EMC Chamber Validation at Higher Frequencies – <i>David SZERENCES, Thyssen-Krupp Comp. Tech Hungary KFT.</i>	10:40 AM EMAG: RF - Chairman: Rene Fiedler Calibration of Port Fixtures in Simulia CST Studio Suite using Python – <i>Frank Demming-Jansen, Simuserv GmbH</i>	10:40 AM Multiphysics - Chairman: Thomas Emmel Simulation Charging Plug of a car - Multiphysics – <i>Ali Arshadi, TECHNIA GmbH</i>	10:40 AM MBS - Chairman: Gerrit Nowald Modeling Methods for considering the Stiffness and Damping Behaviour of jointed Structures in Finite Element and Multi-Body Simulation – <i>Rasim DALKIZ, RWTH Aachen - IMSE</i>
11:05 AM Reducing Car Door Weight by simultaneously combining different Optimization Methods in Tosca – <i>Michael FAULWASSER, BMW AG</i>	11:05 AM Multi Physics Modeling of Medium Voltage Switchgears – <i>Svetlana GOSSMANN, Siemens AG</i>	11:05 AM Electromagnetic Resonances in the Metallic Porous Media – <i>Muhammad Salman WAHIDI, Hamburg University of Technology</i>	11:05 AM To be announced	11:05 AM Dron-E: Simulation of a UAV with Simpack in the Context of MBSE in 3DX – <i>Valentin KEPPLER, CENT AG</i>
11:30 AM Scripting and Customization in Abaqus/CAE – <i>Sven REINSTÄDLER, CENT AG</i>	11:30 AM To be announced	11:30 AM Photonic Crystals based on Materials with an Insulator-to-Metal Transition – <i>Julia BRANDT, Hamburg University of Technology</i>	11:30 AM The Missing Link - Closing the Gap between Manufacturing and Multiphysics Simulation – <i>Jochen KINZIG, CENT AG</i>	11:30 AM Investigation of the Load Distribution in Gearboxes of Large Wind Turbines – <i>Thomas ROSENLOCHER, TU-Dresden</i>
11:55 AM Computing Tire Durability from Multibody Dynamics Simulation of Nürburgring Circuit Events – <i>Tom EBBOT, Endurica, LLC</i>	11:55 AM A new Type of EM-Suite: ElectroMagnetic Coupling Analysis (EMCA) – <i>Joachim HELD, SIEMENS AG</i>	11:55 AM To be announced	11:55 AM Internal Short Circuit Analysis of Lithium-Ion Batteries – <i>Martin SCHULZ, Dassault Systemes</i>	11:55 AM Musculo-Skeletal Model of the Human Cervical Spine in Applications with Repeated Shocks or High G-Forces with Simpack – <i>John KEPPLER, Biotion Solutions</i>
12:20 PM Lunch 1 hour				
Plenary				
1:20 PM Keynote: Sustainable Packaging Solutions – <i>Stefan LAUSTRÖER, Bechtie PLM Deutschland GmbH</i>				
1:50 PM Keynote: Interaction of Electrolyte Motion and Electro-Chemistry in Battery Cells – <i>Edwin KNOBBE, BMW AG</i>				
2:20 PM Keynote: AI in a PCB - Design – <i>Michael KÜHN, Robert Bosch GmbH</i>				
2:50 PM Transformation through MODSIM – <i>Gregor JUDEX, Dassault Systèmes</i>				
3:20 PM AI - <i>To be announced, Dassault Systemes</i>				
3:50 PM Closing				
4:00 PM End of Conference				