

Agenda Regional User Meeting - EuroCentral | Day 1 - May 9th

Time (EST)

12:00 PM Registration open | 60 minutes

Plenary

1:00 PM Opening Video

1:05 PM Welcome & Introduction – *Sebastien GAUTIER & Christoph CLAßEN, Dassault Systèmes*

1:25 PM Manager Welcome – *Dominic KURTAZ, Dassault Systèmes*

1:40 PM Keynote: Challenges to simulate the interaction of mechanics and electro-chemistry in battery cell development – *Edwin KNOBBE, BMW AG*
- in person only -

2:10 PM Keynote: Base Station Antenna Development with CST Studio Suite SIMULIA – *Thomas BRESSNER, Ericsson*

2:40 PM Keynote: Wholistic Virtual Development Process for Door Closing Comfort – *Mehmet CAKMAK & Clemens SCHERBEL, Audi AG*

3:10 PM Short Break | 10 minutes

Track 1

Structure: Multiphysics Simulation on 3DX & Materials I

3:20 PM Breaking down barriers - How new sequential multiphysics capabilities expand modeling possibilities – *Kai SCHEIBA, Dassault Systèmes*

3:45 PM Simulation-supported product development of titanium components (SimProTi) - Calculation of component distortion after heat treatment – *Ralf PASSMANN, DHCAE Tools GmbH*

4:10 PM Who is my neighbour? A Method for determining the neighbourhood relations of Finite Elements in Abaqus – *Philip ROSE, Hamburg University of Applied Sciences*

Track 2

EMAG: Connectors

MODSIM – Advanced Multiphysics Simulation of a Smartphone Connector – *Dawood NULWALLA, Dassault Systèmes*

Simulation and measurement of transfer impedance of HV-connector systems – *Antoine VAN PEER, Hirschmann Automotive GmbH*

Signal integrity analysis of coaxial connectors using CST Studio Suite – *Ali ARSHADI, Technia GmbH*

Track 3

Battery & Fuel Cell Engineering

Fuel cell engineering: water management – *Yury SHESTAKOVSKIY, Dassault Systèmes*

Integrated 1D and 3D Workflow for EV Battery System Development – *Faron HESSE, Dassault Systèmes*

Fuel Cell Engineering - An Overview – *Kai SCHEIBA, Dassault Systèmes*

Track 4

Structure

Structures Simulation for Non Mechanical Engineers – *Thomas EMMEL, Dassault Systèmes*
- in person only -

4:35 PM Break | 25 minutes

Structure: Materials II & Simulation on 3DX

5:00 PM Simulation of Highly Integrated Reinforced Composites - A Substitution Study – *Manuel SCHUSCHA, PRIME Aerostructures GmbH*

5:25 PM Material calibration on 3DEXPERIENCE – *Gerhard OETTL, Dassault Systèmes*

5:50 PM Switching Apps – A Simulation Project on the 3DEXPERIENCE Platform – *Wolfgang RUPP, SCHWINDT DIGITAL GmbH & Andreas WIDMER, Helbling PLM*

6:15 PM Democratizing a Scooter Crash Simulation to enable fast Parameter Studies in 3DEXPERIENCE – *Andreas FELLMETH, Dassault Systèmes*

EMAG: Antenna

New simulation based magnetic antenna for Hearing Aids – *Thomas FISCHER, WSAudiology*

LCD Tunable Filters – *Ersin POLAT, Dassault Systèmes*

Design of 3D Antenna using Evolutionary Algorithms – *Stanislav KOVAR, Tomas Bata University in Zlin*

5G Coverage – *Marc RÜTSCHLIN, Dassault Systèmes*

EMAG: MW & RF Optics

Optical properties of radially anisotropic cylinders – *Julia BRANDT, Hamburg University of Technology*

Rough-surface lossy metal modelling in frequency range 110-170 GHz – *Vratislav SOKOL, Rohde & Schwarz závod Vimperk, s.r.o.*

Investigating nanoporous gold structure for its unique optical properties – *Muhammad Salman WAHIDI, Hamburg University of Technology*

Recent Enhancements in Simulation-Based Filter Design – *Majid NOROOZIARAB, Dassault Systèmes*

Structure: Fatigue

Thermo Mechanical Fatigue Simulations for Turbo Charger Casings in 3DEXPERIENCE – *Matthias RICHNER, Accelleron Turbo Systems Switzerland Ltd*

Virtual Qualification of the Durability Performance of an Elastomeric Mount with Endurica – *Thomas G. EBBOTT, Endurica LLC*

Variability Of Fatigue Simulation Predictions For Automotive Components – *Ewelina CZERLUNCZAKIEWICZ & Maciej MAJERCZAK, Valeo THS*

Automated standard-compliant and verifiable weld seam assessment in Abaqus – *Tim KIRCHHOFF, ihf Ingenieurgesellschaft mbH*

6:40 PM Evening Networking Reception – Come Together Day 1