

Agenda Regional User Meeting - EuroCentral | Day 3 - May 5th

Time (EST)

8:30 AM Registration open | 60 minutes

Track 1

Structure: Dynamics

9:30 AM Simulation of highly dynamically excited optical laser mirrors – *Prof. Herbert BAASER, TH Bingen*

9:55 AM Twisting simulation for electric motors using Abaqus CAE – *Klaus DROTLEFF, Robert Bosch GmbH*

10:20 AM Jugglers on Unicycles: Abaqus/Explicit in a Nutshell – *Axel REICHERT, Dassault Systèmes*

10:45 AM Coffee Break | 30 minutes

Structure: Optimization

11:15 AM Nonlinear Topology-Optimization – *Sven REINSTÄDLER, Cenit AG*

11:40 AM Fatigue Life optimization of an elastomer pump membrane – *Kay SCHMIDT, Cummins Deutschland GmbH & Kai SCHEIBA, Dassault Systèmes*

12:05 PM Demonstration of using Simulia Abaqus and Isight in carbon composite motorcycle swingarm development – *Pavel GONDA*

12:30 PM (Take-Away-) Lunch Break | 30 minutes

1:00 PM End of Event

Track 2

EMAG: MW&RF

5G-Coverage – *Marc RÜTSCHLIN, Dassault Systèmes*

Array Antenna Simulation using Domain Decomposition – *Theunis BEUKMAN, Dassault Systèmes*

Civil and military high power electromagnetic protection planning – *Carlos ROMERO, Armasuisse Science and Technology*

EMAG: MW&RF

Non Parametric Shape Optimization of Electromagnetic Components using SIMULIA CST Studio Suite and TOSCA – *Frank DEMMING-JANSSEN, Simuserv GmbH*

10 dB Emission Suppression in low index 3D Quasiperiodic Structures – *Meraj e MUSTAFA, Hamburg University of Technology*

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

Track 3

Fluids

Faster Full Vehicle Model Build for Fluids Analysis using a Common Model Approach – *Rick SHOCK, Dassault Systèmes*

On the efficiency of indoor air cleaners in office environments – *Christof ASBACH, Institut für Energie und Umwelttechnik e.V.*

Acoustic study of an air duct for a Mahle cooling module – *Florian MAYOT, Mahle Behr GmbH*

Fluids

Numerical flow noise simulation of an axial fan with a Lattice-Boltzmann solver without acoustic analogies – *Evangelos ANTONIOU, Dassault Systèmes*

SIMULIA Vehicle Thermal Management Solutions – *Gabor MATULIK, Dassault Systèmes*

R&D Outlook Fluids – *Rick SHOCK, Dassault Systèmes*