

# Agenda Regional User Meeting - EuroCentral | Day 1 - June 24th | Bamberg

Time (CEST)

9:00 AM Registration open | 60 minutes

## Plenary

**Chairman: Christoph Claßen**

10:00 AM Welcome & Introduction – *Christian BARTHEL & Christoph CLAßEN, Dassault Systèmes*

10:25 AM Manager Welcome – *To be announced, Dassault Systèmes*

10:40 AM SIMULIA Brand Update – *Sebastien GAUTIER, Dassault Systèmes*

11:10 AM Keynote: Integrated Simulation Processes using an Engineering Platform – *Nicolas BROSSARDT, BMW AG*

11:40 AM Keynote: From Ideation to Validation: Dron-E lifts off – *Daniel VALLICOTTI, CENIT AG*

## 12:10 PM Lunch | 1 hour

### Track 1

**T&M - Chairman: Matthieu Plagnard**

1:10 PM Future in Motion – *Bassem HASSAN, Dassault Systèmes*

1:35 PM Process Automation in Mechanical Simulation during Wheel Brake Development – *Dirk RECKWERTH, Continental Automotive Technologies GmbH*

2:00 PM Accelerating Concept Validation with MODSIM : E-CAR Case Study on 3DEXPERIENCE – *To be announced, Dassault Systèmes*

2:25 PM Increasing Vehicle Driving Performance through Virtual Integration of Intelligent Chassis, Suspension and Drivetrain Systems – *Navid SAMADI, Huawei Technologies GmbH*

## 2:50 PM Break | 30 minutes

### Track 1

**T&M - Emag - Chairman: Timo Baruth**

3:20 PM Boundary Conditions for CISPR25 Radiated Emissions Rod Antenna Simulations – *Peter BIRKEFELD & Marc REINHARDT, ZF Active Safety GmbH*

3:45 PM Automotive Camera Connector Layout Optimization – *Lin LU, Robert Bosch GmbH*

4:10 PM 3D EMC Simulation of Power Electronics at Volkswagen Group Components Kassel – *Felix PETROSSOW, Volkswagen Group Components*

4:35 PM Differential Pair Cross Talk – *Ondrej STEJSKAL, Valeo*

### Track 2

**T&M - Structures - Chairman: Andreas Frenk**

Virtual Assessment of Passenger Car Tire Sidewall Robustness – Modeling and Validation – *Christian GERENDT, Continental Reifen Deutschland GmbH*

To be announced

Simulation of Li-Ion Batteries Elements – *Adam RURANSKI, BMZ Poland*

Fatigue Strength Assessment of Injection-Molded Fiber-Reinforced Plastic Components for Electric Vehicles – *Sascha PAZOUR, Part Engineering GmbH*

### Track 3

**T&M - MKS - Chairman: Gerrit Nowald**

Increase of Computational Efficiency of Co-Simulation between a SIMPACK MBS-Vehicle Model and a Multi-physics Transmission Model using SIMPACK's Control Element 238: FMI Import – *Marc LÄSSING, Daimler Truck AG*

Not yet authorized

To be announced

Not yet authorized

### Track 2

**Fluids - Chairman: Fabian Quintero**

Aeroacoustic Study of a Twin-Turboprop Aircraft using the Lattice-Boltzmann Method – *Edoardo GRANDE, Airbus Defence and Space GmbH*

Aeroacoustics of Propeller-Driven Strut-Braced Wing – *Emanuele STICCHI, TU Delft*

PowerFLOW for eVTOL and Aircraft Aerodynamics and Aeroacoustics – *Damiano CASALINO, Dassault Systèmes*

Reduction of the Noise Emission of an Airfoil with Tip Leakage using Winglets – *Andreas LUCIUS, ebm-papst Mulfingen GmbH & Co.KG*

**T&M - Fluids - Chairman: Vishal Jambhekar**

Rapid Aerodynamic Development using CFD and Machine Learning – *Faron HESSE, Dassault Systèmes*

Aeroacoustic Simulation of a High-Subsonic Maglev Train: Far Field Noise and Sources Characterization – *Ali TABBAL, CRRC Changchun Germany Rail Tech GmbH*

Not yet authorized

### Track 3

**Structure - Chairman: TBA**

Form Filling Simulation – Structure Simulation – *Zhenua DAI, Technia GmbH*

Proposition of a Methodology for a Failure Index according to the Christensen Criterion and Implementation in Simulia ABAQUS – *Mathis HACH, UNI Rostock*

The Computational Framework of Hybrid Fire Simulation: Insights and Applications – *Yurii YAREMA, Ruhr Universität Bochum*

Large Welding Simulations with Abaqus – *Mike SHUBERT, QustomApps, LCC*

### Track 4

**Fluids - Chairman: Fabian Quintero**

Aeroacoustic Characterization of Large-Scale Vertical-Axis Wind Turbines – *Frits de PRENTER, TU Delft*

Rapid Aerodynamic Development using CFD and Machine Learning – *Faron HESSE, Dassault Systèmes*

Aeroacoustic Simulation of a High-Subsonic Maglev Train: Far Field Noise and Sources Characterization – *Ali TABBAL, CRRC Changchun Germany Rail Tech GmbH*

Not yet authorized

### Track 5

**EMAG: Antenna - Chairman: Tilmann Wittig**

Simulation of Complex Geometrical Structures of Hearing Aids – *Thomas FISCHER, Sivantos GmbH*

Electromagnetic Computations on Electrically Large Platforms – *Tobias TROMBATORE*

Analysis of Mated 1.35 mm Connector – *Vratislav SOKOL, Rohde & Schwarz závod Vimperk, s.r.o.*

Smart Textile Antennas – *Susanne HIPPE & Verena MATERER, OTH-Regensburg*

## 5:00 PM Change to Plenary | 10 minutes

## Plenary

5:10 PM R&D Update Fireworks – *Chris WHITING & R&D Leaders, Dassault Systèmes*

## 7:00 PM Evening Networking Reception – Come Together Day 1