

11. JMatPro®-Conference

Tuesday 23.05.2023

12:00 pm – 01:30 pm Arrival, registration and lunch

01:30 pm – 03:00 pm Session 1:

- **Greeting, Opening**
Dr. Uwe Diekmann – Matplus GmbH
Dr. Jean-Philippe Schille – Sente Software Ltd.
- **„Introduction & Upcoming JMatPro® Version 14“**
Dr. Jean-Philippe Schille – Sente Software Ltd.

03:30 pm – 05:30 pm Session 2:

- **"Modelling the Precipitate Evolution and Strengthening in Sc-containing Aluminium Alloys"**
Dr. Jianan Hu – Sente Software Ltd.
- **„Practical Aspects of Using JMatPro for the Design of Aluminium Alloys“**
Dr. Bernd Koch – Matplus GmbH
- **„Use of the JMatPro API at tkSE“**
Julian Spee, thyssenkrupp Steel Europe AG

06:00 pm Evening event

Wednesday 24.05.2023

09:00 am – 10:30 am Session 3:

- **„Materials Development using JMatPro at DEW“ – in german**
Felix Neukam – Deutsche Edelstahlwerke Specialty Steel GmbH & Co. KG
- **„Calculation of Multiphase Steels“**
Dr. Petra Becker – Matplus GmbH
- **"Modelling Solidification in Steels With Back Diffusion"**
Dr. Rafael Miranda – Sente Software Ltd.

10:30 am – 11:00 am Coffee break

11:00 am – 12:30 pm Session 4:

- **„High Throughput Calculations Using EDA and JMatPro assisted by DOE“**
Ramchandra Khadkikar – Matplus GmbH
- **„Material Cards for CAE Calculations“**
Dr. Uwe Diekmann – Matplus GmbH
- **"Microstructure-driven Creep Rupture Life Prediction of Nickel-based Superalloys"**
Dr. Jianan Hu – Sente Software Ltd.

12:30 pm – 01:30 pm Lunch and end of the event

Further Customer Presentations are planned

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2. EDA®-Conference

Wednesday 24.05.2023

12:00 pm – 01:30 pm Arrival, registration and lunch

01:30 pm – 03:00 pm Session 1:

- **Greeting, Opening**
Dr. Uwe Diekmann – Matplus GmbH
- **„EDA® Introduction - Status EDA 22.1 & Future Directions 23/24“**
Dr. Uwe Diekmann – Matplus GmbH
- **„Material Data Processing in COMTES FHT - from Measurement to Material Card“**
Dr. Michal Zemko – COMTES FHT a.s.

03:00 pm – 03:30 pm Coffee break

03:30 pm – 05:30 pm Session 2:

- **„Update on Reference Databases“**
Constantin Bunge – Matplus GmbH
- **„An Approach to Determine Materials Data for CAE and it's Implementation in EDA“**
Anett Findekle, Dr. Ilya Peshekhodov, Klaus Unruh – Faurecia Autositze GmbH
- **„Evaluation of Fatigue Data & Lifetime Prediction“**
Ramchandra Khadkikar – Matplus GmbH

06:00 pm Evening event

Thursday 25.05.2023

09:00 am – 10:30 am Session 3:

- **„Implementation of EDA at Schaeffler “ – exact title will follow**
Dr. Johannes Möller, Schaeffler Technologies AG & Co. KG
- **„Evolution of Material Properties Along the Production Process Chain“**
Dominik Zügner – Voestalpine Forschungsservice- Gesellschaft Donawitz GmbH
- **„Energy and Mass Flow Analysis“**
Dr. Alex Miron, Dr. Bernd Koch – Matplus GmbH

10:30 am – 11:00 am Coffee break

11:00 am – 12:30 pm Session 4:

- **„Creation of Flexible Views and High Quality Reports“**
Thies Marwitz, Morteza Poudat – Matplus GmbH
- **„Innovative Solutions for Enhanced EDA Functionality With Custom Applications: a Case Study“**
Andreas Schwarz-Gsaxner – Voestalpine Forschungsservice- Gesellschaft Donawitz GmbH
- **„Challenge of the Future - Materials Knowledge Management from the Perspective of a Small Company“**
Dr. Norman Herzig, Nordmetall GmbH

12:30 pm – 01:30 pm Lunch and end of the event

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PolyModSim Final Kolloquium – in german!

„Computer-aided Materials Engineering for Engineering Plastics in Practice“

Thursday 25.05.2023

02:00 pm – 03:30 pm

Session 1:

- **„PolyModSim - Conception of a Modelling and Simulation Platform“**
Dr. Uwe Diekmann – Matplus GmbH
- **„Material Selection in Early Phases of Product Development“**
Michael Tesch – Kunststoff-Institut Lüdenscheid
- **„New Polymer Database for Demanding CAE Applications“**
Constantin Bunge, Marco Thomä – Matplus GmbH
- **„Management of Additives and Fillers as Well as Hazardous Substances and Declarations“**
Constantin Bunge, Marco Thomä – Matplus GmbH

03:30 pm – 03:55 pm

Coffee break

03:55 pm – 04:55 pm

Session 2:

- **„Error Prevention Through Intelligent Simulation“**
Sebastian Daute – Kunststoff-Institut Lüdenscheid
- **„Foaming in Plastics Processing - Nothing Easier Than That!“**
Uwe Kolshorn – Kunststoff-Institut Lüdenscheid

04:55 pm – 05:10 pm

Conclusion/discussion

05:10 pm

End of the event

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