

13th JMatPro® User-Conference

Tuesday, 14.10.2025

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

01:30 pm – 03:00 pm Session 1

- **Opening & introduction**
Dr. Jean-Philippe Schille, Sente Software Ltd.
- **„Current general developments for JMatPro®”**
Dr. Jean-Philippe Schille, Sente Software Ltd.
- **„JMatPro API v9.1: what's new?”**
Dr. Rafael Miranda, Sente Software Ltd.

03:00 pm – 03:30 pm Coffee break

03:30 pm – 5:30 pm Session 2

- **„Coupling JMatPro API with EDA”**
Alekssei Seregin, Matplus GmbH
- **„Application of JMatPro for simulating slab cooling in hot charging between continuous casting and hot rolling - a contribution to CO2 reduction”**
Dr. Andreas Latz, thyssenkrupp Steel Europe AG
- **„Rupture strength prediction of martensitic power plant steels using physically-based material models”**
Dr. Jianan Hu, Sente Software Ltd.

06:00 pm Evening event

Wednesday, 15.10.2025

09:00 am – 10:30 am Session 3

- **Material Property Optimiser**
Dr. Rafael Miranda, Sente Software Ltd.
- **„Design of low-modulus Ti alloys for additively manufactured biomedical implants using MPO”**
Dr. Jianan Hu, Sente Software Ltd.
- **„Material export from JMatPro and using QForm UK for the forming and heat treatment simulation”**
Dr. Hans-Willi Raedt, prosimalys GmbH

10:30 am – 11:00 am Coffee break

11:00 am – 12:30 pm Session 4

- **New projects and experiences using JMatPro at TH Köln**
Florian Bisterfeld, TH Köln - Institut für Allgemeinen Maschinenbau
Yuchen Leng, TH Köln - Institut für Allgemeinen Maschinenbau
Philipp Speiser, TH Köln - Institut für Allgemeinen Maschinenbau
- **„Materials Innovation powered by JMatPro - Review of selected results during the last 20 years”**
Dr. Uwe Diekmann, Matplus GmbH
- **„Technical development for future versions of JMatPro®”**
Dr. Zhanli Guo, Sente Software Ltd.

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

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4th EDA® User-Conference

Wednesday, 15.10.2025

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

01:30 pm – 03:00 pm Session 1

- **Opening & introduction**
Dr. Uwe Diekmann, Matplus GmbH
- **„EDA 25: what's new?“**
Marcel Diekmann, Matplus GmbH
Thies Marwitz, Matplus GmbH
- **„Material selection in CAE workflows“**
Frederik Klokke, Porsche AG
Thies Marwitz, Matplus GmbH

03:00 pm – 03:30 pm Coffee break

03:30 pm – 5:30 pm Session 2

- **„Closed loop integration of material sampling data“**
Chahid Marghiche, Matplus GmbH
- **„Managing substances and compliance reporting“**
Mario Temmel, voestalpine Railway Systems GmbH
Aleksi Seregin, Matplus GmbH
- **„Material lifecycle management using workflows“**
Anett Findelee, FORVIA Faurecia Seating

06:00 pm Evening event

Thursday, 16.10.2025

09:00 am – 10:30 am Session 3

- **„Materials Data Management in context of aerospace engineering“**
Heinrich Schoder, MT Aerospace
Thies Marwitz, Matplus GmbH
- **„Matglobe reference databases“**
Constantin Bunge, Matplus GmbH
- **„Project management in EDA“**
Dominik Zügner, voestalpine Forschungsservice- Gesellschaft Donawitz GmbH
Marcel Diekmann, Matplus GmbH

10:30 am – 11:00 am Coffee break

11:00 am – 12:30 pm Session 4

- **„Exploratory data analysis across the forging process chain using EDA“**
Dr.-Ing. Georg Maier - voestalpine Böhler Edelstahl GmbH & Co. KG
- **„Big data analysis and advanced visualization“**
Andreas Schwarz-Gsaxner, voestalpine Forschungsservice- Gesellschaft Donawitz GmbH
Morteza Poudat, Matplus GmbH
- **„Matplus and EDA: picture of future“**
Dr. Uwe Diekmann, Matplus GmbH

12:30 pm – 01:30 pm Lunch

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Aerospace Materials Engineering using the MMPDS and EDA®

Thursday, 16.10.2025

01:30 pm – 03:00 pm

- **Welcome and Introduction**
Dr. Uwe Diekmann, Matplus GmbH
- **„MMPDS overview and current activities”**
Doug Hall, Battelle Memorial Institute
- **„MMPDS 25 and Matplus EDA: Features, functions, extras”**
Constantin Bunge, Matplus GmbH
Thies Marwitz, Matplus GmbH

03:00 pm – 03:30 pm Coffee break

03:30 pm – 5:30 pm Session 2

- **„MMPDS and additive manufacturing - MMPDS Volume 2”**
Doug Hall, Battelle Memorial Institute
- **„Augmentation of MMPDS data by materials testing and materials simulation”**
Morteza Poudat, Matplus GmbH
Thies Marwitz, Matplus GmbH
- **Closing and discussion**