

Level 0 **Central Stage** Exhibition Area

10:30 AM **Opening and Welcome**

Panel Discussion - Key Technologies for the Future of Manufacturing

1:00 PM - 2:00 PM

Chair: **Dr. Rainer Seßner**
CEO, Bayern Innovativ GmbH

- Dr. Hans J. Langer**, CEO, EOS GmbH
- Prof. Dr. Sonja Zillner**
Senior Key Expert, Corporate Technology, Siemens AG
- Prof. Dr. Jens Grubert**
Fakultät Elektrotechnik und Informatik, Hochschule Coburg

Public Funding Opportunities for Bavaria

2:30 PM - 4:30 PM

Chair: **Michael Holland-Moritz**
Bayern Innovativ GmbH

- 2:30 PM **Innovationservices – IMP³rove**
Michael Holland-Moritz, Enterprise Europe Network
- 2:45 PM **Zentrale Anlaufstelle für Technologieförderung – der Projektträger Bayern**
Dr. Urs Bernhard, Projektträger Bayern
- 3:00 PM **Bayerische Forschungsstiftung – das Förderangebot**
Dagmar Williams, Bayerische Forschungsstiftung
- 3:15 PM **Bavarian Research Alliance and Enterprise Europe Network, Support for funding on EU-Projects**
Dr. Panteleimon Panagiotou
Bayerische Forschungsallianz
- 3:30 PM **Neue Werkstoffe und Patentschutz**
Dr. Tobia Mancabelli, Bayerische Patentallianz
- 3:45 PM **Programm Neue Werkstoffe in Bayern**
Dr. Carsten Wadewitz, Projektträger Jülich
- 4:00 PM **Das Zentrale Innovationsprogramm Mittelstand (ZIM) des BMWi – Innovationsförderung für KMU**
André Glück, AiF Projekt GmbH
- 4:15 PM **Kompetenzzentrum Usability startet in Bayern – Erfolgsfaktor für Innovation und Zukunft der Arbeit**
Dr. Katharina Zeiner & Anne Elisabeth Krüger
Mittelstand 4.0-Kompetenzzentrum Usability

Tech2you
4:30 PM - 6:00 PM

- 4:30 PM **Technologies from a Space R&D Centre**
Joseph Bernier
Centre Spatial Liège, Université de Liège
- 4:40 PM **Additive4Industrie: Partnersuche für F&E-Projekte**
Rüdiger Busch
Cluster Mechatronik & Automation e.V.
- 4:50 PM **Bringing Materials Sourcing into the Digital Age**
Richard Huber, Matmatch GmbH
- 5:00 PM **Die Zukunft der Mobilität braucht die besten Materialien**
Hannah Dettmer, imat uve GmbH
- 5:10 PM **Plasma-assisted surface modifications from nanopowders to 3D complex parts**
Dr. Julien Amadou, ICS, Université de Namur
- 5:20 PM **3D Thermal simulation in Additive Manufacturing processes with microstructure validation**
Jérôme Tchoufang Tchouindjang, Université de Liège

Level 2 **Amsterdam**

The New Machine Age

11:00 AM - 12:30 PM

Chair: **Dr. Blanka Lenczowski**
Senior Expert Materials Technology, Airbus Group

- 11:00 AM **Artificial Intelligence in Industry**
Prof. Dr. Sonja Zillner
Senior Key Expert, Corporate Technology, Research and Development for Digitalization and Automation, Siemens AG
- 11:25 AM **Machine learning for material testing**
Mario Dib
Data Scientist Consultant/Unit Manager, Ancud IT GmbH
- 11:50 AM **FutureCRAFT 4D - Innovation for Creators**
Dr. Christopher Holmes
Director Materials Engineering FUTURE Team, adidas AG

Advanced energy materials
2:30 PM - 4:00 PM
Chair: **Dr. Robert Bartl**
Bayern Innovativ GmbH

- 2:30 PM **Technical photosynthesis, employing single step direct electrocatalytic reduction of CO₂ toward CO and hydrocarbons**
Günter Schmid
Principal Key Expert Research Scientist, Corporate Technology, Siemens AG
- 2:55 PM **A fully automated platform for materials research - accelerating materials innovation**
Dr. Tobias Stubhan
Gruppenleiter Erneuerbare Energien, ZAE Bayern
- 3:20 PM **Schwungradspeicher – alter Hut oder innovative Technologie für die Energiewende?**
Achim Hobl
Bilfinger Noell GmbH

Level 2 **Side Events**

Mix'n'Match Zürich
2:30 PM - 3:30 PM

Meet material experts from Wallonia, Belgium during the speed dating:

Dr. Julien Amadou, ICS/LARN, Université Namur **Jérôme Tchoufang Tchouindjang**, MMS Université Liège **Joseph Bernier**, Centre Spatial Liège –ULiège
Dr. Nathalie Gerlach, Haute Ecole de la Province de Liège
Dr. Hervé Brequel, Centre Terre & Pierre CTP
Dr. Ahmed Rassili, CRM Group
Fabrizio Maseri, Materia Nova
Thomas Godfroid, Materia Nova
Dr. Dinh Nguyen, Multitel
Jacques Halleux, Sirris

B2B Partnering Lounge
2:30 PM - 6:00 PM

Level 2 **London**

Materials for New Mobility Concepts

11:00 AM - 12:30 PM

Chair: **Prof. Dr. Rudolf Stauber**
Fraunhofer ISC, Projektgruppe IWKS

- 11:00 AM **Lightweight solutions for the next generation of mobility – Novel polymer based materials and processing concepts**
Dr. Thomas Neumeyer
Leiter Geschäftsbereich Kunststoffe, Neue Materialien Bayreuth GmbH
- 11:25 AM **Surface solutions for future mobility**
Marten Wermers
Market Development Manager Coatings/Future Mobility Innovations, Merck KGaA
- 11:50 AM **Industrialized Joining of Hybrid Materials**
Dr. Frank Breitenbach
EDAG Production Solutions GmbH & Co. KG

Level 2 **London**

Workshop: Materials for reliable energy supply

4:00 PM - 6:00 PM

Chair: **Dr. Marcus Rauch**
Bayern Innovativ GmbH
Simon Reichenwallner,
ENERGIEregion Nürnberg e.V.

- Overview on materials for the energy transition**
Dr. Alexander Buchele
Managing Director, Energie Campus Nürnberg

The objective of the workshop is to identify materials and applications in a renewable energy system. Participants generate ideas for novel applications of energy materials and address specific questions regarding the energy transition. The ideas will be recorded in an idea profiling board available to all participants.

Level 0 **Side Events** Exhibition Area

Exhibition „Material World“

10:00 AM - 6:00 PM

Poster Session

4:00 PM - 5:30 PM

Level 0 **Evening Event**

6:00 PM **Networking, drinks & snacks**

7:00 PM **Die Physikanten – a thrilling and amusing science show**

Level 2 **Dublin**

Future Energy Generation

11:00 AM - 12:30 PM

Chair: **Dr. Bastian Devrient**
Manager of Corrosion Laboratory, Framatome GmbH

- 11:00 AM **Chancen für Unternehmen durch die disruptiven Veränderungen im Energiesektor**
Andreas Engelhardt
Leitung Vertrieb, M. Münch Elektrotechnik GmbH Co. KG
- 11:25 AM **Nuclear Fusion Materials – Innovative technologies and possible spin-off applications**
Dr. Michael Rieth
Leiter Metallische Werkstoffe, KIT-Institut für Angewandte Materialien
- 11:50 AM **Supraleitende Magnetsysteme – Kernstück in der Forschung und Impulsgeber für industrielle Anwendungen**
Dr. Ronald Hepper
Managing Director, Engineering & Technologies, Bilfinger Noell GmbH

Level 2 **Dublin**

Workshop: Future of Hybrid Materials

2:30 PM - 4:30 PM

Chair: **Tanja Flügel**
Bayern Innovativ GmbH
Dr. Thomas Müller-Lenhardt
Head R&D, Gubesch Group

- Hybrid Structures - The Big Picture**
Michael Begert
Innovationsmanager, EDAG Engineering GmbH

In this workshop participants will discuss with the partners of the EU project FlexHyJoin what kind of future applications and products can be realized with hybrid materials and how to overcome existing challenges.



