



EMMC IntOP2018 – Agenda

Day 1: November 6, 2018

10:00 10:30 Arrival/Reception

Session 1 Opening

10:30 10:40 Welcome and introduction from EMMC

*Adham Hashibon (Fraunhofer IWM),
Gerhard Goldbeck (Goldbeck
Consulting)*

10:40 11:00 Welcome address

*Dr. Chris Eberl (Deputy Director of
Fraunhofer IWM)*

Session 2 Marketplaces and interoperability as vehicles for Industry Commons

11:00 11:30 Automation, Data Driven and Machine Learning
Methods in Computational Materials Design

Alexander Konstandin (Bosch)

11:30 12:00 Manufacturing industry Impulse - 2

Adam Kowalski (Unilever)

12:00 12:30 EC Vision, Industry Commons

Anne de Baas (EC DG RTD NMBP)

12:30 13:00 European Materials Modelling Marketplaces

*Adham Hashibon (Fraunhofer IWM),
Welchy Cavalcanti (Fraunhofer IFAM)*

13:00 14:00 Lunch Break

Session 3 Collaborative spaces/ information systems for industry commons

14:00 14:25 Translation as a Practise: Understanding
Industry Needs

Rudy Koopmans (PIC)

14:25 14:50 Products on Marketplace - SWO

*Mikail Stamatakis (UCL), Stan van
Gisbergen (SCM)*

14:50 15:15 Towards an open simulation platform: Building a
modelling/simulation ontology starting from
MODA

Silvia Chiacchiera (STFC)

15:15 15:40 Key challenges of future market places:
Identification, interoperability and licensing of
software modules

Tobias Neumann (Nanomatch)

15:40 16:15 Break

Session 4 Data spaces/information systems for industry commons

16:15 16:40 Artificial Intelligence, Chemistry and
Manufacturing Industries

Teodoro Laino (IBM)

16:40 17:05 Data Creation, Curation and Exploitation

A. Nicholas Grundy (Thermocalc)

17:05 17:30 Ontologies for Marketplaces

*Georg J. Schmitz (Micress),
Martin Horsch (STFC)*

17:30 18:15 Panel: Perspectives from end users and
providers for the marketplaces, towards a
Marketplace Standards Body

*Chair Georg Schmitz, Gerhard
Goldberg*

Session 5 Posters and Networking

18:15 20:15 Poster, networking, food, drinks and
discussions...

End of Day 1



EMMC IntOP2018 – Agenda

Day 2: November 7, 2018

8:30 9:00 Arrival

Session 6 Interoperability Foundations: From EMMO to EMO!

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|-------|-------|--|---------------------------------------|
| 9:00 | 9:30 | Strategies for digital transformation of materials science | <i>Tim Dahmen (DFKI)</i> |
| 9:30 | 10:15 | Towards a European Materials Ontology | <i>Emanuele Ghedini (Uni Bologna)</i> |
| 10:15 | 10:30 | Discussion | |

10:30 11:00 Break

Session 7 The Road to Practical Ontology

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| 11:00 | 11:20 | Ontology Applications | <i>Leopold Talirz (EPFL)</i> |
| 11:20 | 11:40 | Implementation of ontology in Materials Characterization | <i>Athanasios Morozinis (University of Athens)</i> |
| 11:40 | 12:00 | Model generation by ontology | <i>Heinz Preisig (NTNU)</i> |

12:00 13:00 Lunch break

Session 8 Special Presentation

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| 13:00 | 13:45 | The philosophers view | <i>Sebastiano Moruzzi (Uni Bologna)</i> |
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Session 9 Kick-off the Interest Group on the Nano-Materials-Processing-Manufacturing Ontology

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| 13:45 | 14:15 | Semantic assets and challenges of ontologies management | <i>Vasily Bunakov (STFC)</i> |
| 14:15 | 14:45 | The Interest Group on Ontology | <i>Gerhard Golbeck, Adham Hashibon</i> |
| 14:45 | 15:15 | Panel on Materials Ontology Interest Group and Governance | <i>Gerhard Golbeck</i> |

Session 10 Looking forward...

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| 15:15 | 15:30 | Final remarks, Next steps and actions | <i>Gerhard Goldbeck, Adham Hashibon</i> |
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End of Day 2