

SAVE THE DATE
@LIST, Luxembourg
19-20 of October 2023

Open Innovation For People and their Future

OIP-2023 Conference

where open innovation and materials modelling connect



The MUSICODE, OpenModel and VIPCOAT projects received funding from the European Union's Horizon 2020 research and innovation programme under Grant Agreements No 953187, 953167 and 952903 respectively.



Program

OIP-2023 Conference

Open Innovation for Materials Modelling, Design and Manufacturing

41 rue du Brill L-4422 Belvaux , Luxembourg

19th-20th October 2023

Materials Research and Technology (MRT)

Day 1: 19th October 2023

1:00 pm - 1:30 pm

Registration and Welcome by **Damien Lenoble**
MRT/LIST Director (15 mins)

1:30 pm - 2:00 pm Chair: **Salim Belouettar**

Opening Keynote by **Yacine Rezgui** (University of Cardiff, UK).
Exploring the boundaries digital twinning of open innovation (25 mins)

2:00 pm - 3:30 pm Chair: **Eleferios Lidorikis**

**Session 1 - Innovative Frontiers in Proactive Coating:
Unleashing the Power of Open Innovation in VIPCOAT H2020 project.**

Peter Visser (AkzoNobel, NL).
Active corrosion protection of aerospace aluminium alloys (15 mins)
Zoi Kefallinou (AIRBUS, UK).
Protective Corrosion Coatings: Challenges and Solutions. (15 mins)
Frederico Maia (SMT, PT).
Nanomaterials in advanced development of active protective coatings. (15 mins)
Peter Klein (Fraunhofer ITWM, DE).
Ontology and semantic net based technology applied to smart corrosion protection modelling & simulation. (15 mins)
Marko Horvat (WIKKI Ltd, UK).
VIPCOAT OIP - Your Gateway to Virtual Open Innovation in Protective Coatings. (15 mins)

3:30 pm - 4:00 pm Networking Break

4:00 pm - 5:30 pm Chair: **Jesper Friis**

**Session 2 - Unlocking Innovation in Organic Electronics:
Exploring MUSICODE H2020's Multi-Scale Design Platform**

Eleferios Lidorikis (University of Ioannina, GR).
MUSICODE: an Open Innovation Platform for Organic Electronics (15 mins)
Argiris Laskarakis (Aristotle University of Thessaloniki, GR).
Science, Technology and Challenges in Organic Electronics Industry (15 mins)
Aron Kneer (TinnIT Technologies GmbH, DE).
Success Stories and Challenges in developing Simulation Software for Industry (15 mins)
Dario Campagna (ESTECO SPA, IT).
Streamlining Multiscale Modelling I: Workflow Design using BPMN (10 mins)
Borek Patzak (Czech Technical University in Prague, CZ).
Streamlining Multiscale Modelling II: Workflow Execution using MuPIF (10 min)
Davide Di Stefano (ANSYS, UK).
Streamlining Multiscale Modelling III: Data and Knowledge Management using GRANTA: MI (10 mins)

5:30 pm - 6:00 pm Networking Break

6:00 pm - 7:30 pm Chair: **Natalia Konchakova**

Keynote Lecture by **Philippe Jacques** (EMIRI, BE).
**AMI2030 Contribution to the SRIA of the IM4EU Partnership on
Advanced Materials** (25 mins)

**Panel Discussion: "Challenges and Opportunities in Open Innovation
for Materials Modelling."**

**Yacine Rezgui, Steffi Friedrichs, Peter Visser, Damien Lenoble,
Eleferios Lidorikis, Jesper Friis, Dario Campagna, Martin Thomas Horsch**

7:30 pm - 8:30 pm

Session 3 - Poster Presentations & Networking apéro

8:30 pm Chair: **Salim Belouettar**

Closing Remarks for Day 1



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Day 2: 20th October 2023

9:00 am - 9:45 am Chair: **Heinz Preisig**

Session 4 - Advancing Materials Innovation Through OpenModel & OntoTrans: Integrated Materials Modelling Approaches

Jesper Friis (SINTEF, NO).

Demonstrating interoperability based on data documentation and ontologies (15 mins)

Emanuele Ghedini (University of Bologna, IT).

Knowledge Management in Materials Modelling: the EMMO Ontology Framework (15 mins)

Konstantinos Sioutas (IRES, BE).

OpenModel NLP and data scraping methodology (15 mins)

9:45 am - 10:00 am Networking Break

10:00 am - 12:00 am Chair: **Argiris Laskarakis**

Session 5 - Storing, Describing, and Retrieving Scientific Data in Open Innovation Environments: OntoTrans & OpenModel Projects Demonstration and Training.

Otello Roscioni (Goldbeck-Consulting, UK),

Fajar Ekaputra (Wirtschaftsuniversität Wien und Technische Universität Wien, AU),

Alessandro Calvio (University of Bologna, IT),

Natalia Konchakova (Helmholtz-Zentrum Hereon, DE)

12:00 am - 1:00 pm Lunch Break

1:00 pm - 2:30 pm Chair: **Rudolf Koopmans**

Session 6 - Exploring Open Innovation in OITB, SSbD initiatives and Platforms

Georgios Konstantopoulos (NTUA, GR).

Materials characterisation challenges to support the industry transition in the digital era (15 mins)

Amaya Igartua (TEKNIKER, ES).

Meeting safe and sustainable by design materials and tools (15 mins)

Franz Pirker (AC2T research and i-TRIBOMAT, AU).

Open Inno-vation Test Beds as a Service to the Industry (15 mins)

Steffi Friedrichs (AcumenIST, BE).

Nanotechnology at the Crossroads of Converging Technologies: Unveiling the Future of Innovation (15 mins)

2:30 pm - 3:00 pm Networking Break

3:00 pm - 3:30 pm Chair: **Salim Belouettar**

Keynote Lecture by **Mauricio Camargo** (ERPI, FR).

Transforming Manufacturing: Igniting Synergy through Quadruple and Quintuple Helix Innovation Systems (25 mins)

3:30 pm - 5:00 pm Chair: **Peter Klein**

Panel Discussion: "How to enhance the acceptance of (Digital) Open Innovation Processes?"

Rudolf Koopmans (University of Fribourg, CH), **Elias P. Koumoulos** (IRES, BE),

Thomas Exner (Seven Past Nine, SL), **Mauricio Camargo** (ERPI, FR),

Maddalena Rostagno (DIAD Group, IT), **Stijn Donders** (Siemens, BE)

5:00 pm - 5:30 pm Chair **Salim Belouettar**

End Conference Conclusions and Farewell



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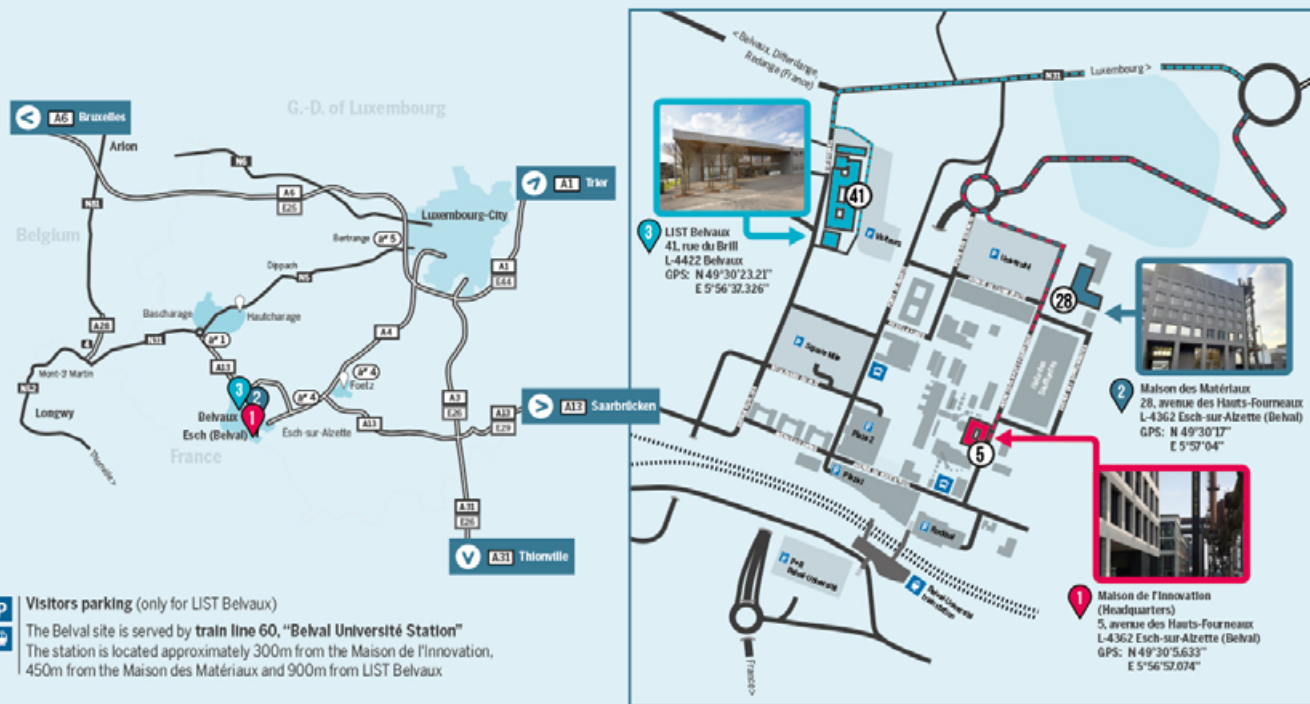
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ACCESS MAP | Maison de l'innovation 1 (Headquarters) at Esch-sur-Alzette (Belval),
Maison des Matériaux 2 (Belval) & Belvaux site 3

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Scientific Committee



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(Conference Co-Chair),
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Natalia Konchakova
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(Conference Co-Chair),
Fraunhofer Germany

Chairpersons

Heinz Preisig
Argiris Laskarakis
Rudolf Koopmans
Salim Belouettar
Peter Klein

Local Organizing Scientific Committee

Ahmed Makradi, LIST Luxembourg;
Mahdi BenAmor, LIST Luxembourg
Carlos Kavka, LIST Luxembourg
Djamel Khadroui, LIST Luxembourg
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Registration

<https://oip-2023.eu/registration-2/>

Contact

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