



# EMMC International Workshop 2017

April 5-7, 2017 - Vienna / Austria

# OVERVIEW

Time	DAY 1 - April 5, 2017		
1130 - 1300	Registration & Lunch (1200 - 1255)		
	ROOM ONE		
1300 - 1315	Welcome and presentation of European Materials Modelling Council by Nadja Adamovic (TU Wien, AT)		
1315 - 1330	Presentation of NMBP programme past, present and future by Anne de Baas (European Commission, BE)		
	Plenary Talk 1		
1330 - 1400	Materials modelling as a driver for industrial innovation - breakthroughs, barriers, and bottlenecks by Peter Littlewood (Argonne National Laboratory, US)		
	Plenary Talk 2		
1400 - 1430	MODA, a common ground for MOdeling DAta generalization: introduction, use case and possible improvements by Emanuele Ghedini (University of Bologna, IT)		
	ROOM ONE	ROOM TWO	ROOM THREE
	<b>SESSION 1</b> Barriers or breakthroughs? Towards better models in the chemical and semiconductor electronics industrial sectors Chair: Kersti Hermansson (Uppsala University, SE)	<b>SESSION 2</b> Vocabulary and taxonomy for improved community integration, communication and interoperability Chair: Gerhard Goldbeck (Goldbeck Consulting, UK)	<b>SESSION 3</b> Translation in practice Chair: Pietro Asinari (Politecnico di Torino, IT)
1430 - 1615	Impulse presentation #1 by Kurt Kremer (Max Planck Institute for Polymer Research, DE)  Impulse presentation #2 by Kurt Stokbro (Quantumwise, DK)  Impulse presentation #3 by Ignacio Pagonabarraga Mora (CECAM, EPFL Lausanne, CH)	Impulse presentation #1 by Anne de Baas (European Commission, BE)  Impulse presentation #2 by Geoff Gross (Osthus, US)	Impulse presentation by Chris Eberl (Fraunhofer IWM, DE)
1615 - 1645	Coffee Break		
	ROOM ONE	ROOM TWO	ROOM THREE
	<b>SESSION 4</b> Barriers and breakthroughs: Bridging the communication and expectation gaps between model developers and industrial stakeholders Chair: Pietro Asinari (Politecnico di Torino, IT)	<b>SESSION 5</b> Ontologies and Metadata schema and their implementations Chair: Adham Hashibon (Fraunhofer IWM, DE)	<b>SESSION 6</b> Getting SMEs more involved in materials modelling Chair: Chris Eberl (Fraunhofer IWM, DE) Co-Chair: Denka Hristova-Bogaerds (DPI, NL)
1645 - 1830	Impulse presentation #1 by Erich Wimmer (Materials Design, FR)  Impulse presentation #2 by David Cebon (Granta Design, UK)	Impulse presentation #1 by Colin Batchelor (Royal Society of Chemistry, UK)  Impulse presentation #2 by Jesper Friis (SINTEF, NO)  Impulse presentation #3 by Claudio Cacciari (Cineca / Eudat, IT)	Impulse presentation #1 by Marcus Kremers (Airborne International, NL)  Impulse presentation #2 by Paul Racec (Deutsches Zentrum für Luft- und Raumfahrt, DE)  Impulse presentation #3 by Manuel Laspalas (ITAINNOVA, ES)
1830 - 1930	Poster Session and Stakeholder Networking Event		
Time	DAY 2 - April 6, 2017		
	ROOM ONE		
0900 - 0930	Plenary Talk 3 A new data and informatics enabled ecosystem for materials innovation (IDEAS:MD3) by Surya R. Kalidindi (Georgia Institute of Technology, US)		
0930 - 1000	Plenary Talk 4 A case study of translation practice for coating development: from modelling to the market by Welch Leit Cavalcanti (Fraunhofer IFAM, DE)		
1000 - 1015	Coffee break		
	ROOM ONE	ROOM TWO	ROOM THREE
	<b>SESSION 7</b> Barriers or breakthroughs? Towards better models in the metallurgical and automotive industrial sectors Chair: David Cebon (Granta Design, UK)	<b>SESSION 8</b> Pragmatic approaches to interoperability: implementations /realisations/scenarios of practical relevance Chair: Zachary T. Trautt (NIST, US)	<b>SESSION 9</b> Translation in practice: What we can learn from big companies? Chair: Tom Verbrugge (DOW Benelux, NL)
1015 - 1200	Impulse presentation #1 by Christos Argyrakis (Rolls-Royce, UK)  Impulse presentation #2 by W. A. Curtin (EPFL, CH)	Impulse presentation #1 by Georg J. Schmitz (Access Technology, DE)  Impulse presentation #2 by Joerg Neugebauer (Max-Planck-Institut für Eisenforschung, DE)	Impulse presentation #1 by Jan Stolk (DSM, NL)  Impulse presentation #2 by Ali Karimi (Continental, DE)
1200 - 1300	Lunch & Poster Session		

## DAY 2 - April 6, 2017

	ROOM THREE	ROOM ONE	ROOM TWO
1300 - 1445 Impulse presentations each 15 min.	<b>SESSION 10</b> <b>Translation &amp; training in practice: What we can learn from software owners?</b> Chair: Erich Wimmer (Materials Design, FR) <hr style="border-top: 1px dashed black;"/> <b>Impulse presentation</b> by Johannes Fraaije (CULGI, NL)	<b>SESSION 11</b> <b>Repositories of materials (modelling) data and knowledge: design and use</b> Chair: David Cebon (Granta Design, UK) <hr style="border-top: 1px dashed black;"/> <b>Impulse presentation #1</b> by Zachary T. Trautt (NIST, US)  <b>Impulse presentation #2</b> by Saulius Grazulis (Vilnius University / COD, LT)	<b>SESSION 12</b> <b>Success stories and how to widen success throughout European industry</b> Chair: Rudy Koopmans (Koopmans Consulting, CH) <hr style="border-top: 1px dashed black;"/> <b>Impulse presentation #1</b> by Rudy Koopmans (Koopmans Consulting, CH)  <b>Impulse presentation #2</b> by Massimo Noro (Unilever, UK)
1445 - 1500	<b>Coffee break</b>		
	<b>ROOM ONE</b>		
1500 - 1645 Impulse presentations each 15 min.	<b>Joint Session on Marketplaces 13</b> <b>The need for Marketplace services: Requirements from stakeholders (model developers, translators, software owners and end users)</b> Chair: Nicola Marzari (EPFL / MARVEL, CH) and Georg J. Schmitz (Access Technology, DE) <hr style="border-top: 1px dashed black;"/> <b>Impulse presentation #1</b> by Alejandro Strachan (Purdue University, US)  <b>Impulse presentation #2</b> by Sergio Lopez (Scientific Computing & Modelling, NL)  <b>Impulse presentation #3</b> by Thomas Göhler (MTU Aero Engines, DE)		
1645 - 1800	<b>Conclusion Workshops as Podium discussion Part 1 (Sessions 1-9, 11)</b>		
	<b>ROOM THREE</b>		
1800 - 1900	<b>Industrial Advisory Board Meeting (only for members of the IAB) Chair: Rudy Koopmans (Koopmans Consulting, CH)</b>		
1930 - 2230	<b>Dinner at Restaurant "Lusthaus"</b> (1900 Lobby / 1915 Transfer)		

## DAY 3 - April 7, 2017

	ROOM THREE	ROOM ONE	ROOM TWO
0900 - 0930	<b>Plenary Talk 5</b> <b>Challenges and opportunities for industrial materials modelling</b> by Tanja Graf (Volkswagen, DE)		
0930 - 1000	<b>Plenary Talk 6</b> <b>The role and impact of materials modelling in accelerating innovation in an industrial context</b> by Hein Koelman (DOW Benelux, NL)		
1000 - 1015	<b>Coffee break</b>		
	<b>ROOM THREE</b>	<b>ROOM ONE</b>	<b>ROOM TWO</b>
1015 - 1200 Impulse presentations each 15 min.	<b>SESSION 14</b> <b>Training in practice: Efficient exploitation of models from model-developers point of view</b> Chair: Pietro Asinari (Politecnico di Torino, IT) <hr style="border-top: 1px dashed black;"/> <b>Impulse presentation #1</b> by Anders Engström (Thermo-Calc Software, SE)  <b>Impulse presentation #2</b> by Ole Swang (SINTEF, NO)	<b>SESSION 15</b> <b>Industrial deployment of materials modelling software: Current practice, constraints and barrier</b> Chair: Volker Eyert (Materials Design, FR) <hr style="border-top: 1px dashed black;"/> <b>Impulse presentation</b> Gilles Denner (IMRA Europe, FR)	<b>SESSION 16</b> <b>Integration of materials modelling into Business Decision Support Systems</b> Chair: Teodoro Laino (IBM, CH) <hr style="border-top: 1px dashed black;"/> <b>Impulse presentation #1</b> by Barbara Holtz (Dassault Systemes BIOVIA, UK)  <b>Impulse presentation #2</b> by Katya Vladislavleva (DataStories International, BE)
1200 - 1300	<b>Lunch</b>		
	<b>ROOM THREE</b>	<b>ROOM ONE</b>	<b>ROOM TWO</b>
1300 - 1445 Impulse presentations each 15 min.	<b>SESSION 17</b> <b>Synergy with national Modelling Translation Activities</b> Chair: Javier Llorca (IMDEA Material Institute, ES) Ole Swang (SINTEF, NO) <hr style="border-top: 1px dashed black;"/> <b>Impulse presentation #1</b> by Javier Llorca (IMDEA Material Institute, ES)  <b>Impulse presentation #2</b> by Lula Rosso (VTT Technical Research Centre of Finland, FI)	<b>SESSION 18</b> <b>Industrial deployment of materials modelling software: The way forward</b> Chair: Georg J. Schmitz (Access Technology, DE) <hr style="border-top: 1px dashed black;"/> <b>Impulse presentation #1</b> by Roger Assaker (E-Xstream, LU)  <b>Impulse presentation #2</b> by Rob Meier (DSM, NL)	<b>SESSION 19</b> <b>Economic impact of Materials Modelling</b> Chair: Hein Koelman (DOW Benelux, NL) Gerhard Goldbeck (Goldbeck Consulting, UK) <hr style="border-top: 1px dashed black;"/> <b>Impulse presentation #1</b> by Christa Court (University of Florida, US)  <b>Impulse presentation #2</b> by Albert Konter (Mi2 - Materials Innovation Institute, NL)
1445 - 1500	<b>Coffee break</b>		
	<b>ROOM ONE</b>		
1500 - 1600	<b>Conclusion Workshops as Podium discussion Part 2 (Sessions 10, 12, 14-19)</b>		
1600 - 1610	<b>Recommendations of the Industrial Advisory Board (IAB) to the EMMC</b>		
1610 - 1615	<b>Conclusion and Goodbye by Nadja Adamovic (TU Wien, AT)</b>		



This event has received funding via the EMMC-CSA project from the European Union's Horizon 2020 research and innovation programme under Grant Agreement No 723867

