



## PROGRAMME

29 October, 2018 | Pre-conference workshops

30–31 October, 2018 | Conference

Vienna, Austria

[www.indtech2018.eu](http://www.indtech2018.eu)

@IndTech2018 | #IndTech2018



This project has received funding from the European Union's Horizon 2020 research and innovation programme under grant agreement No 767162.

## PROGRAMME - PRELIMINARY

### 29 Oct Pre-conference workshops

The following events will take place additionally to the INDTECH2018 conference (more to follow soon!):

- *The future of batteries*
- *AMANAC (Advanced Materials and Nanotechnology in Construction) cluster: Branding innovations beyond the technical: the challenges and trade-offs of sustainable growth*
- *NAMEC workshop on advanced materials and nanotechnologies for chemical energy storage*
- *LowCarbonFuture - Exploitation of projects for Low-Carbon future steel industry*
- *Photonics 4 Industrial Production*
- *A new vision for a sustainable industry partnership*
- *European Materials Characterisation Council: new challenges for advanced materials characterisation in Europe – title t.b.c.*
- *Advanced Materials and related Technologies Governance – From a sectorial to a problem-solving oriented programme*
- *2nd EU-Asia Dialogue on Nanosafety*

[Please find further information via: https://www.indtech2018.eu/thematic-workshops/](https://www.indtech2018.eu/thematic-workshops/)

### 30 Oct First day

Live in room LEHAR 2/3/4 + Broadcasting in room STRAUSS 2 & 3

09:00 Registration

#### 10:00 Welcome & opening

- *Jean-Eric Paquet, Director General, European Commission, DG RTD*
- *Andreas Reichhardt, Secretary General, Austrian Ministry for Transport, Innovation and Technology*
- *Klaus Pseiner, Managing Director, FFG Austrian Research Promotion Agency*

#### 10:20 Plenary – keynote 1

*Bertrand Piccard, Solar Impulse Foundation*

#### 10:40 Plenary – keynote 2: KETs as enabler for an innovative industry

*Sabine Herlitschka, CEO & CTO, Infineon Technologies Austria AG*

#### 11:00 Plenary – panel discussion: Are KETs underpinning Europe's global leadership of different industries? A dialogue between industry and the European Commission

- *Sabine Herlitschka, CEO & CTO, Infineon Technologies Austria AG*
- *Egbert Lox, Senior Vice President Government Affairs, UMICORE*
- *Bertrand Piccard, Solar Impulse Foundation*
- *Ariane Thomas, Head of Strategic development Operations L'OREAL and Member High Level Industry 2030 EU Roundtable*
- *Slawomir Tokarski, Director of Innovation and Advanced Manufacturing, European Commission, DG GROW*
- *Lucyna Woźniak, Vice rector for Science and International Affairs and Head of Department at Medical University of Lodz and member of the Lamy group*

**Moderator:** *Peter Droell, Director of Industrial Technologies, European Commission, DG RTD*

#### 12:00 Lunch break

30 Oct	PILLAR 1: Technologies for sustainable growth	PILLAR 2: Innovative industry for citizens	PILLAR 3: Ecosystem/framing conditions	Networking & policy support
	Room LEHAR 2/3/4	Room STRAUSS 2	Room STRAUSS 3	Room STRAUSS 1
13:30	<b>1.1 – Green growth and circular economy</b>	<b>2.1 – Risk governance and management of innovation</b>	<b>3.1 – Networks/lab to fab/ecosystems</b>	<b>Matchmaking 1</b>
	<i>Moderator: t.b.c.</i>	<i>Moderator: Daan Schuurbijs, De Proeffabriek</i>	<i>Moderator: H�el�ene Chraye, European Commission, DG RTD</i>	
	<i>Rapporteur: Julia Schmitt</i>	<i>Rapporteur: Wim Cuypers</i>	<i>Rapporteur: Philipp Eisele</i>	
	<b>Promoting the contribution from bioeconomy towards green growth and circular economy</b>	<b>The challenge of coupling the Safe by Design principle to the regulatory process of new NMBP Technologies</b>	<b>The role of KETs in the innovation ecosystem</b>	
	<i>Agnes Borg, EuropaBio</i>	<i>Philippe Hubert, INERIS</i>	<i>Laure Baillargeon, European Commission, DG GROW</i>	
	<b>Plastics chemical recycling</b>	<b>Strengthening the social value of nanotechnologies</b>	<b>Technology infrastructures</b>	
	<i>Maurizio Crippa, GR3N</i>	<i>Daan Schuurbijs, De Proeffabriek</i>	<i>H�el�ene Chraye, European Commission, DG RTD</i>	
	<b>Use of alternatives for green growth</b>	<b>Regulatory Challenges in Risk Assessment of Nanomaterials</b>	<b>European pilot line production facilities across Europe</b>	
	<i>J�urgen Lang, Evonik</i>	<i>Abdelqader Sumrein, European Chemicals Agency and EU Observatory on Nanomaterials (EUON)</i>	<i>Paula Galv�ao, INL Portugal</i>	
	<b>New market opportunities in circular economy</b>	<b>The role of research in supporting safe innovation in the nanotechnology industry</b>	<b>Integrating modelling and characterization at CEA Minattec : rationale, ways and challenges</b>	
	<i>Valentina Marino, VIMARK SRL</i>	<i>Eva Valsami-Jones, NANOSAFETY Cluster</i>	<i>Yves Samson, CEA-LETI</i>	
			<i>Bego�na S�anchez, TECNALIA Research &amp; Innovation</i>	
	<b>Future steelmaking for sustainable growth</b>	<b>White paper on governance (Nanoreg and 7or prosafe)</b>	<b>Key role for Digital Innovation Hubs in the regions. New Open Innovation Test Beds (OITB)</b>	
	<i>Rachel Pettersson, Jernkontoret</i>	<i>Tom Vanteunenbroek, Nanoreg</i>	<i>Anne-Marie Sassen, European Commission, DG CONNECT</i>	
	<b>Bringing together the steel, cement, chemicals, minerals and engineering sectors enabling cross-sectorial Industrial Symbiosis to become more efficient and sustainable</b>	<b>2.2 – Medical technologies</b>	<b>Opening labs to industry</b>	
	<i>Greet Van Eetvelde, Ghent University</i>	<i>Moderator: Klaus-Michael Weltring, Nanobioanalytic Muenster, ETP Nanomedicine</i>	<i>Alessandro Rainoldi, Joint Research Centre t.b.c.</i>	
		<i>Rapporteur: Wim Cuypers</i>		
		<b>Innovative medical technology solutions for sustainable and equitable health for all</b>		
		<i>Patrick Boisseau, CEA</i>		
	<b>High value products from zero-value waste textiles and fibres via design driven technologies</b>	<b>Biomimetic strategy for bone regeneration</b>		
	<i>Ivo Lamers, Vanberlo BV t.b.c.</i>	<i>Oskar Hoffmann, University of Vienna</i>		
		<b>Cost-effective micro-structuring technologies for devices aimed to improve clinical diagnostics</b>		
		<i>Anneliese P�onninger, EV Group E. Thalner GmbH</i>		
		<b>Nanomedicine driving the new collaborative business model of smart and connected medical devices</b>		
		<i>Klaus-Michael Weltring, Nanobioanalytic Muenster, ETP Nanomedicine</i>		
15:30	Coffee break			

30 Oct	<b>PILLAR 1: Technologies for sustainable growth</b>	<b>PILLAR 2: Innovative industry for citizens</b>	<b>PILLAR 3: Ecosystem/framing conditions</b>	<b>Networking &amp; policy support</b>
	Room LEHAR 2/3/4	Room STRAUSS 2	Room STRAUSS 3	Room STRAUSS 1
16:00	<b>1.2 – Sustainable and efficient energy</b>	<b>2.3 – Role of design inside industry processes</b>	<b>3.2 European Innovation Council (EIC) – SME Instrument</b>	<b>Matchmaking 2</b>
	Moderator: Fabrice Stassin, Managing Director EMIRI (Energy Materials Industrial Research Initiative) & Manager EU Government Affairs Umicore Rapporteur: Elisabeth Einhorn	Moderator: Hélène Chraye, European Commission, DG RTD Rapporteur: Marcela Alzin	Moderator: Bernd Reichert, European Commission, EASME Rapporteur: Franz Haider	
	<b>Improving the energy efficiency for vehicles – an important factor for sustainable mobility</b> Josef Affenzeller, AVL LIST GMBH	<b>Improve the competitiveness of the industry through the provision of design-driven innovative solutions</b> Bertrand Fillon, IPC	<b>The SME Instrument – examples from Spanish SMEs</b> Lucía Iñigo Paarmann, CDTI	
	<b>Clean energy in construction</b> Niels Kåre Bruun, BetterHome	<b>Sport Infinity project. End-user design aspects</b> Stephan Lintner, KISKA	<b>Development of a Machine for Multi-Material Manufacturing</b> Erich Neubauer, RHP Technology GmbH	
	<b>Energy-enabling materials for Energy Efficiency in Buildings</b> Jorge Corker, IPN, AMANAC cluster	<b>Early upstream collaboration selecting materials, processes and the design approach to get the best product</b> Sören Müller, INGWERK GmbH	<b>The SME Instrument – experiences with building a European Accelerator Programme</b> Bernd Reichert, European Commission, EASME	
	<b>Innovative solar energy harvesting technologies</b> Olga Malinkiewicz, SAULE Technologies	<b>Design shots – design-driven innovation for SMEs</b> Ana Vella, Malta Business Foundation	<b>How to accelerate disruptive innovation in SMEs supporting them to promote consistent innovation and international growth</b> Felix Tiefenbacher, Heliovis	
	<b>Advanced materials and processes for photovoltaics</b> Simon Perraud, CLUSTER NAMEC	<b>2.4 – Skills needs</b> Moderator: Doris Schroecker, European Commission, DG RTD Rapporteur: Marcela Alzin	<b>3.3 – Co-funding/other funding</b> Moderator: Martin Buncek, Technology agency of the Czech Republic Rapporteur: Ingo Hegny	
		<b>Skills for risk management</b> Dora Fazekas, NANO2ALL, SPI	<b>Co-funding: experience from Czech Republic</b> Martin Buncek, Technology agency of the Czech Republic	
	<b>Title to follow</b> Fabrice Stassin, Managing Director EMIRI (Energy Materials Industrial Research Initiative) & Manager EU Government Affairs Umicore	<b>Education and Training Resources from Collaborative Projects: SUSCHEM Educate to Innovate and Project SPRING</b> Amy Peace, Britest Ltd.	<b>Promoting an integrated ecosystem for funding and private investment in businesses through a range of custom-made financial instruments</b> Shiva Dustdar, European Investment Bank	
	<b>Industrial heat pump systems for waste heat recovery to save energy in industrial drying processes</b> Veronika Wilk, AIT	<b>Skills for emerging technologies</b> Bernadette Ségol, Former Secretary-General, European Trade Union Confederation	<b>Funding innovation with crowdfunding</b> Carlos Ferrando, Closca	
	<b>Advanced materials for clean mobility</b> t.b.c., Solvay	<b>Skill needs anticipation for emerging technologies</b> Alena Zukersteinova, CEDEFOP – European Centre for the Development of Vocational Training	<b>Synergies with structural funds</b> Katja Reppel, European Commission, DG REGIO	
18:00	End pillar 1	End pillar 2	End pillar 3	Matchmaking 3
18:30	Networking dinner			
21:30	End day 1			

Exhibition from 12:00 - 18:30



## PROGRAMME - PRELIMINARY

### PRELIMINARY

#### 31 Oct Second day

Live in room LEHAR 2/3/4 + Broadcasting in room STRAUSS 2 & 3

08:00 Registration

#### 09:00 Welcome

- Video message from Norbert Hofer, Federal Minister for Transport, Innovation and Technology
- Video message from Carlos Moedas, Commissioner, European Commission Research, Science and Innovation
- Peter Droell, Director of Industrial Technologies, European Commission, DG RTD
- Michael Wiesmüller, Head, Unit III/15 Key enabling technologies for industrial innovation: ICT, Manufacturing and Nanotechnologies, Austrian Ministry for Transport, Innovation and Technology

#### 09:20 Plenary – keynote 3

Lisa Friedersdorf, Director of the NNCO US (National Nanotechnology co-ordination Office of the USA)

#### 09:40 Plenary – keynote 4: Research on Nanotechnology and Advanced Materials at the Chinese Academy of Science

Tao Zhang, Vice President, Chinese Academy of Sciences

#### 10:00 Plenary – keynote 5: Human Centric Agile Transformation

Tomas Hedenborg, President of ORGALIME

#### 10:20 Coffee break

31 Oct	PILLAR 1: Technologies for sustainable growth	PILLAR 2: Innovative industry for citizens	PILLAR 3: Ecosystem/framing conditions	Networking & policy support
	Room LEHAR 2/3/4	Room STRAUSS 2	Room STRAUSS 3	Room STRAUSS 1
11:00	<b>1.3 – Environment and decarbonisation</b>	<b>2.5 – Standard setting</b>	<b>3.4 – Co-programming partnerships</b>	<b>World Café</b>
	<i>Moderator: Anne-Chloe Devic, European Chemical Industry Council</i>	<i>Moderator: t.b.c.</i>	<i>Moderator: t.b.c.</i>	<b>Industry for people</b>
	<i>Rapporteur: Monika Marjanovic</i>	<i>Rapporteur: Marcela Alzin</i>	<i>Rapporteur: Ingo Hegny</i>	
	<b>Circulating materials</b> <i>Anne-Chloe Devic, European Chemical Industry Council</i>	<b>Certification of medical devices</b> <i>Patrick Boisseau, CEA</i>	<b>Case study on how Clean Sky involves Member States in its governance (States representatives Group) and whether this is a model for co-programming partnerships</b> <i>Bruno Mastantuono, JTI Clean Sky</i>	
	<b>Transition towards a sustainable chemistry and clean technology: use of CO2 as alternative feedstock</b> <i>Ludo Diels, VITO</i>	<b>Why standards? Is there a role for EU standards?</b> <i>Andreea Gulacsi, CEN-CENELEC</i>	<b>Case study on working with many European platforms and how national industry platforms can still be taken into account</b> <i>Angels Orduna, A.SPIRE</i>	
	<b>New bioremediation approach for soils and sediments</b> <i>Grazia Masciandaro, CNR</i>	<b>Identify, analyse and propose solutions to the standardisation bottlenecks and needs within the process industry</b> <i>Ignacio Martin, CIRCE Foundation</i>	<b>Case study on how to interact with national platforms - focussing on Industry 4.0 in particular</b> <i>Riikka Virkkunen, Factories of the Future t.b.c.</i>	
	<b>How to reduce pollution in cities using a stand-alone traffic system based in modular construction kits made of UHP Concrete</b> <i>Lutz Sparowitz, TU Graz and Wörle Sparowitz Ingenieure</i>	<b>Methods for rapid and cost-effective nanotechnology testing and their standardisation</b> <i>Michael Stintz, Technical University Dresden</i>	<b>Case study referring to working with cities and urban regions in Member States</b> <i>Alain Zarli, Energy Efficient Buildings</i>	
			<b>Title t.b.c.</b> <i>Max Lemke, European Commission, DG CONNECT t.b.c.</i>	
12:00	<b>1.4 – Resources/critical materials</b>	<b>2.6 – Artificial intelligence/Ethical issues of data management</b>	<b>3.5 – International cooperation</b>	
	<i>Moderator: Olga Rio Suarez, European Commission, DG RTD</i>	<i>Moderator: Doris Schroecker, European Commission, DG RTD</i>	<i>Moderator: H�el�ene Chraye, European Commission, DG RTD</i>	
	<i>Rapporteur: Monika Marjanovic</i>	<i>Rapporteur: Marcela Alzin</i>	<i>Rapporteur: Franz Haider</i>	
	<b>More efficient use of materials through the industrial exploitation of materials modelling</b> <i>Nadja Adamovic, Technical University Vienna</i>	<b>Providing frameworks to help develop research ethics protocols, professional ethical codes and better legal frameworks for new technologies like artificial intelligence</b> <i>Philip Brey, University of Twente</i>	<b>Innovation, technology and marketing cooperation between Israel and EU</b> <i>Nili Mandelblit, ISERD</i>	
	<b>Recommendations for a Critical Raw Materials policy</b> <i>Peter Handley, European Commission, DG GROW</i>	<b>Innovative IT solutions to enable process and system-spanning data integrity and data usage</b> <i>Torsten Osthus, OSTHUS GmbH</i>	<b>Facilitating South Africa-EU research collaboration in nanotechnologies for industrial applications</b> <i>Sabelo Mhlanga, University of South Africa</i>	
	<b>Life cycle sustainable trade-offs and the “recyclable by design” model</b> <i>Shahaboddin Resalati, Oxford Brookes University</i>	<b>Facing protection of intellectual property rights when using artificial intelligence to develop innovation</b> <i>Burkhard Schafer, University of Edinburgh</i>	<b>Some insights on Nano-materials industrial application (Ukrainia-EU cooperation)</b> <i>Andrey Ragulya, National Academy of Sciences of Ukraine</i>	
	<b>Advanced strategies for substitution of critical raw materials in photovoltaics</b> <i>Edgardo Saucedo, Catalonia Institute for Energy Research</i>	<b>Title t.b.c.</b> <i>Juha Heikkila, European Commission, DG CONNECT t.b.c.</i>	<b>Biotechnologies and biomaterials, a niche for Iran-EU cooperation</b> <i>Saeed Sarkaz, Tehran University of Medical Sciences</i>	
			<b>On Mission Innovation global response. The future of Energy (Mexico-EU cooperation)</b> <i>Hermann Tribukait, Ambassador to North America &amp; Mission Innovation Task Force Leader (Mexico)</i>	
			<b>Japan-EU cooperation in materials for new energy and industrial technology</b> <i>Takashi Omote, NEDO t.b.c.</i>	
13:00	<b>Lunch break</b>			

<b>31 Oct</b>	<b>PILLAR 1: Technologies for sustainable growth</b>	<b>PILLAR 2: Innovative industry for citizens</b>	<b>PILLAR 3: Ecosystem/framing conditions</b>	<b>Networking &amp; policy support</b>
	Room LEHAR 2/3/4	Room STRAUSS 2	Room STRAUSS 3	Room STRAUSS 1
<b>14:30</b>	<b>1.5 – Efficient manufacturing and automation</b>	<b>2.7 – Biotechnologies and biomaterials</b>	<b>3.6 – Metrology – next steps</b>	<b>Fishbowl</b>
	<i>Moderator: Jürgen Tiedje, European Commission, DG RTD</i>	<i>Moderator: Pamela Habibović, Maastricht University</i>	<i>Moderator: Sean O'Reagain, European Commission, DG RTD</i>	<b>Governance systems</b>
	<i>Rapporteur: Fazel Ansari</i>	<i>Rapporteur: Vinoth Shanmukam</i>	<i>Rapporteur: Mensah Caleb</i>	
	<b>The role of creativity and new enabling technologies for efficient manufacturing and automation</b>	<b>Biotechnology and convergent technologies for efficient biomanufacturing</b>	<b>Capacity-building actions on a national and European level – EMPIR programme</b>	
	<i>Bruno Buchmayr, Montanuniversität Leoben</i>	<i>Marileen Dogterom, University of Delft</i>	<i>Kamal Hossain, National Physical Laboratory (NPL)</i>	
	<b>Shaping the cognitive production systems of the future</b>	<b>Emerging chemistry and material engineering to produce biocompatible, bioactive and bioresponsive biomaterials</b>	<b>Emerging metrology needs and related research activities</b>	
	<i>Alois Ferscha, COMET-Centre Pro<sup>2</sup>Future</i>	<i>Pamela Habibović, Maastricht University</i>	<i>Duncan Jarvis, EURAMET</i>	
	<b>Giving a response to the challenges of the 4th Industrial Revolution</b>	<b>Solutions for resource and energy efficient cellulose-based materials in electrical insulation, and beyond</b>	<b>Future programming possibilities to extend EU-wide metrology collaboration in emerging strategic challenges for metrology</b>	<b>Networks/lab to fab/ecosystems</b>
	<i>Maurizio Gattiglio, Prima Industrie S.p.A</i>	<i>Heli Kangas, VTT Technical Research Centre of Finland</i>	<i>Petra Milota, Federal Office of Metrology and Surveying</i>	
	<b>A Cyber Physical System (CPS) that combines new enabling technologies to optimise and enhance control of the injection moulding process</b>	<b>Bridging the gap between science and industry</b>	<b>Redefinition of the International System of Units (SI) with the support of current programmes at an international level</b>	
	<i>Jesus Gonzales, EURECAT</i>	<i>Garcia Amador, AIMPLAS t.b.c.</i>	<i>Jörn Stenger, PTB AM-Platform</i>	
<b>15:30</b>	<b>Advances in flexible continuous plants - novel online sensing equipment and closed-loop control of the key product parameters</b>	<b>2.8 – Frugal innovation process</b>		
	<i>Manuel Pereira Remelhe, Bayer AG</i>	<i>Moderator: Doris Schroecker, European Commission, DG RTD</i>		
		<i>Rapporteur: Vinoth Shanmukam</i>		
		<b>CEZAMAT as an example of frugal/rational planning of research infrastructure in state-of-the-art high-tech centres</b>		
		<i>Romuald B. Beck, CEZAMAT</i>		
	<b>Title t.b.c.</b>	<b>Example of a frugal high tech innovation in European markets</b>		
	<i>Max Lemke, European Commission, DG CONNECT t.b.c.</i>	<i>Javier Ibañez-Guzman, Renault</i>		
		<b>Investigating the relevance of frugal innovations for Austria: achieving “affordable excellence” for Austrian enterprises</b>		
		<i>Rajnish Tiwari, Center for Frugal Innovation (CFI) - TIM/TUHH</i>		
<b>16:30</b>	<b>Coffee break</b>			
<b>17:00</b>	<b>Plenary – final wrap-up and ending</b>			
<b>17:30</b>	<b>End day 2</b>			

Exhibition & site visits 10:20-17:00