

## MANUFUTURE 2013 Conference

"ManuFuture View on Horizon 2020: sustainable re-industrialisation of Europe"

6-8 October 2013, Vilnius, Lithuania

**Day 1. Sunday, October 6.** Location: Vilnius University and Palace of the Grand Dukes of Lithuania

**17.00-18.30** **International Advisory Committee Meeting** for IAC members (*Vilnius University*)

**19.00-21.00** **Welcome Reception for all participants** (*Palace of the Grand Dukes of Lithuania*)

**Day 2. Monday, October 7.** Location: LITEXPO Centre

**08.00-09.00** **Registration**

**09.00-09.20** **Conference Opening. Raising of the ManuFuture Flag**

Chair: *Dr. Henrikas Mykolaitis, Chairman of the Conference Organising Committee, Vice President and Director of LINPRA, the Engineering Industries Association of Lithuania*

Speakers:

- **Dalia Grybauskaitė**, *President of the Republic of Lithuania*
- **Máire Geoghegan-Quinn**, *European Commissioner for Research, Innovation and Science* (video address)
- **Prof. Dainius Pavalkis**, *Minister of Education and Science of the Republic of Lithuania*

**09.20-11.00** **Plenary Session P1. HORIZON 2020: Context and Vision for the European Manufacturing and Research**

Chair: *Dr. Massimo Mattucci, Co-Chairman of EFFRA, Senior Corporate VP of Comau Group*  
Presentations and speakers:

- **HORIZON 2020: Research and Innovation in Europe**  
*Herbert von Bose, Director of Directorate G – Industrial Technologies, DG for Research & Innovation, European Commission*
- **Innovation in European Manufacturing**  
*Antti Peltomäki, Deputy Director-General, DG for Enterprise and Industry, European Commission*
- **Industry's Visions and Concepts for Sustainable Economic Growth and Jobs**  
*Prof. Heinrich Flegel, Member of the Supervisory Board, Daimler AG / Chairman of ETP ManuFuture*
- **How to Ensure the Shift from R&D to Innovation?**  
*Sandro Bonomi, President of ORGALIME*
- **Towards Sustainable Growth in Manufacturing Industry**  
*Tomas Hedenborg, Group CEO, Fastems Oy Ab*

**11.00-11.30** Coffee Break. Press Conference

**11.30-12.50** **Plenary Session P2. HORIZON 2020: Roadmaps for Manufacturing**

Chair: *Adrian Harris, Director General of ORGALIME*

Presentations and speakers:

- **Factories of the Future & HORIZON 2020**  
*Dr. Massimo Mattucci, Co-Chairman of EFFRA, Senior Corporate VP of Comau Group*
- **The SPIRE PPP Roadmap**  
*Dr. Klaus H. Sommer, President of A.SPIRE, Chairman of the Board of SusChem, SVP and Head at Bayer Technology Services, Customer and Product Management*
- **EIT KIC on Added Value Manufacturing**  
*Prof. George Chryssolouris, LMS Director, Laboratory for Manufacturing Systems & Automation (LMS), University of Patras*
- **Reinvent Education with Industry**  
*Uwe Combüchen, Director General of CEEMET*

**12.50-14.00** Lunch

- 14.00-16.00 Parallel Workshop Session W1. Factories of the Future (FoF): FP7 Projects and Initiatives - Results and Business Opportunities**
- W1.1 Flexible and High Performance Manufacturing: Impact through Clustering Activities**  
Chair: *Neophytos Neophytou, Research Programme Officer, DG for Research & Innovation, European Commission*
- W1.2 Supply Chains for Customised Products**  
Chair: *Prof. Tullio Antonio Maria Tolio, Director of Institute of Industrial Technologies and Automation, National Research Council of Italy (CNR)*
- W1.3 Digital and Smart Factories**  
Chair: *Prof. Engelbert Westkämper, Em. Director, Fraunhofer IPA / IFF and GSaME, University of Stuttgart*
- W1.4 Social and Environmental Sustainability**  
Chair: *Prof. Johan Stahre, Professor at Chalmers University of Technology, Head of division, Co-director of Chalmers' Production Area of Advance*
- W1.5 Manufacturing: the Enabler for the Integration of Technologies**  
Chair: *Dr. Rikardo Bueno, Director for the Programmes Area, TECNALIA*

**16.00-16.20** Coffee Break

- 16.20-18.10 Plenary Session P3. FP7 Results and Outlook for HORIZON 2020: Research & Innovation for Sustainable Industrial Competitiveness**  
Chair: *Prof. José-Lorenzo Vallés, Head of Unit, DG for Research & Innovation, European Commission*
- Presentations and speakers:
- **Round table: FoF FP7 Projects and Initiatives – overview of W1 parallel sessions**  
*Chairpersons of W1.1 – W1.5*
  - **FoF PPP Projects Results and Outlook**  
*Maurizio Gattiglio, Chairman of EFFRA / Executive Vice President of Prima Industrie S.p.A.*
  - **Nanostructures for Zero Emission Future Transportation, Energy & Economy for Sustainable Industrial Competitiveness**  
*Prof. Henning Zoz, CEO & President of Zoz Group*
  - **Horizon 2020: FoF Call of 2014/15**  
*Prof. José-Lorenzo Vallés, Head of Unit, DG for Research & Innovation, European Commission*
  - **Horizon 2020: FoF – ICT Call of 2014/15**  
*Max Lemke, Deputy Head of the Unit for Complex Systems and Advanced Computing, DG for Communications Networks, Content & Technology, European Commission*  
*Dr. Rolf Riemenschneider, Research Programme Officer, DG for Communications Networks, Content & Technology, European Commission*

**18.10-19.00 Exhibition (LITEXPO Centre)**

**19.00-19.45 Show Programme (LITEXPO Centre)**  
*Donatas Paužuolis - radio controlled models World champion*  
*Ensemble "Žuvėdra" – sports dancing World champions*

**19.45-22.30 Conference Dinner (LITEXPO Centre)**

**Day 3. Tuesday, October 8. Location: LITEXPO Centre and on site for industry visits**

- 09.00-10.40 Parallel Workshop Session W2. B2B and Future-Oriented Activities within HORIZON 2020**
- W2.1 Industry Visits (08.00-10.40)**
- W2.2 Face-to-Face Meetings:  
for Preparation of FoF 2014-2015 Proposals  
B2B Networking**
- W2.3 Building an Excellent Science Base in Manufacturing**  
Chair: *Dr. Claudia Marenco, Scientific Officer, European Research Council Executive Agency*
- **Future and Emerging Technologies (FET) in H2020**  
*Aymard de Touzalin, Deputy Head of Future & Emerging Technologies (FET) Unit, DG for Communications Networks, Content & Technology, European Commission*

## **W2.4 ETP MANUFUTURE Sub-Platforms and Other ETP's**

Chair: *Annamalai Arun Junai, EU Manager, TNO Industrial Innovation*

- **Sustainable Concepts in Agricultural Production Systems. Visions of the MANUFUTURE AET Sub-ETP**  
*Prof. Peter Pickel, Chairman of MANUFUTURE Agricultural Engineering and Technologies Sub-ETP*
- **MINAM: Micro and NanoManufacturing on the Horizon 2020**  
*Konstantin Konrad, Project Manager for Production IT, Fraunhofer Institute for Manufacturing Engineering and Automation (IPA)*
- **Additive Manufacturing in Hybrid Settings towards Higher TRL Level Applications**  
*Frits Feenstra, Senior project manager at TNO*
- **The European Footwear Technology Platform: from the 7th Framework Programme to Horizon 2020**  
*Dr. Emanuele Carpanzano, Chairman of the Footwear European Technology Platform*
- **European Tooling Platform**  
*Dr. Rui Jorge Gregório Tocha, General-Manager of CENTIMFE*
- **The Joining Sub-platform - Joining, including traditional welding methods, as a core element to innovative and sustainable manufacturing**  
*Dr. Robert Scudamore, Group Manager - Joining Technologies, TWI*
- **Towards the Food Factory of the Future - needs for manufacturing solutions and necessary infrastructure**  
*Attila Berczeli, Deputy General Manager, Campden BRI Magyarország Nonprofit Kft.*

## **W2.5 Future-Oriented Activities: Mutual Benefits towards Grand Challenges**

Chair: *Dr. Augusta Maria Paci, Technologist Director of Chemical Science and Materials Technology Department, National Research Council of Italy (CNR)*

- **Industrial Landscape Vision 2025 for Early Standardization**  
*Dr. Fabiana Scapolo and Peter Churchill, European Commission - Joint Research Centre*
- **The Nexus between Energy, Environment and Transports Services**  
*Dr. Andrea Ricci, Vice President, Institute of Studies for the Integration of Systems (ISIS)*
- **Measures to Realize Sustainability in Manufacturing**  
*Dr. Mikko Verner Koho, Senior scientist, VTT Technical Research Centre of Finland*
- **Key Message for the Future of Manufacturing Research**  
*Prof. Francesco Jovane, Emeritus Professor, Politecnico di Milano*

## **W2.6 Service-Oriented Architecture as an Integrative Backbone for Cyber Physical Systems**

Chair: *Dr. Rolf Riemenschneider, Research Programme Officer, DG for Communications Networks, Content & Technology, European Commission*

- **Service-oriented Architecture: A world-wide adopted ICT-Paradigm towards Industrial Implementations of Cyber Physical Systems**  
*Prof. Armando Walter Colombo, Research Program Manager at Schneider Electric Automation GmbH and Director of Institute for Industrial Informatics, Automation and Robotics, University of Applied Sciences Emden-Leer*
- **Implementing SoA in Industrial Cases: The SME Viewpoint**  
*Otto Karhumäki, Technology Director of Fluidhouse Oy*
- **Cyber-Physical-Systems in the Cloud Era**  
*Stamatis Karnouskos, Research Expert, SAP*
- **The Factory InfoStore: Using SoA to Easily Create Factory Applications**  
*Prof. Jose L. Martinez Lastra, Professor at Tampere University of Technology*
- **PLANTCockpit – a Service-oriented System for Enhancing Productivity in Manufacturing**  
*Prof. Martin Wollschlaeger, Chair of Industrial Communications, Director of the Institute of Applied Computer Science, Faculty of Computer Science of TU Dresden*
- **ARTEMIS SRA**  
*Laila Gide, Advanced Studies Europe Director, THALES*
- **The ARTEMIS Innovation Pilot Project for Production and Energy Systems Automation**  
*Prof. Jerker Delsing, Professor at Lulea University of Technology, Coordinator of the Arrowhead project*

**11.10-13.10 Plenary Session P4. HORIZON 2020 and Regional Dimension**

Chair: *Prof. Edward Chlebus, Dean of Mechanical Engineering Faculty, Wroclaw University of Technology*

Presentations and speakers:

- **Lithuania's Perspective on R&D and Innovation for the upcoming 2014-2020**  
*Prof. Dainius Pavalkis, Minister of Education and Science, Republic of Lithuania*
- **Regional Policy and Smart Specialisation**  
*Normunds Popens, Deputy Director General for Implementation, DG for Regional and Urban Policy, European Commission*
- **National Platforms: Contribution to Smart Specialisation**  
*José Carlos Caldeira, Director of INESC Porto / PRODUTECH Cluster*
- **View on Smart Specialisation: Baltic Manufacturing Belt**  
*Prof. Reijo Tuokko, Professor at Tampere University of Technology, Department of Production Engineering*
- **Participation of the Central Eastern European Countries in the FP7 Collaborative R&D Projects for Manufacturing**  
*Dr. Linas Eriksonas, Partner, UAB "Europarama"*
- **EIB Funding Possibilities in HORIZON 2020**  
*Laura Piovesan, Head of Innovative Industries Division – Projects Directorate, European Investment Bank*

**13.10-14.00 Lunch**

**14.00-16.00 Plenary Session P5. HORIZON 2020 and International Dimension**

Chair: *Herbert von Bose, Director of Directorate G – Industrial Technologies, DG for Research & Innovation, European Commission*

Presentations and speakers:

- **Research Opportunities and International Collaboration through IMS**  
*Dan Nagy, Managing Director of Intelligent Manufacturing Systems*
- **Collaboration in Manufacturing through Collaboration in Innovation**  
*Prof. Semen L. Musher, Managing Director, Russian Foundation for Technological Development*
- **Transformation of a Consumer Electronic Business in Response to Global Competition**  
*Dr. Brian Li, Managing Director, GP Industries Limited*
- **How to Attract on a Global Scale Young Talents to Manufacturing**  
*Prof. Marco Taisch, Professor of Advanced Manufacturing Systems, Politecnico di Milano*
- **A new Business Perspective: Competitive Sustainable Globalisation**  
*Prof. Francesco Jovane, Emeritus Professor, Politecnico di Milano*

**16.00-16.30 Conference Closing. Handing over of the ManuFuture flag**

- *Herbert von Bose, Director of Directorate G – Industrial Technologies, DG for Research & Innovation, European Commission*
- *Prof. Heinrich Flegel, Member of the Supervisory Board, Daimler AG/ Chairman of ETP ManuFuture*
- *Dr. Henrikas Mykolaitis, Chairman of the Conference Organising Committee, Vice President and Director of LINPRA, the Engineering Industries Association of Lithuania*

Patron of the Conference:



**President  
of the Republic  
of Lithuania  
Dalia Grybauskaitė**

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