**FICHE OF SESSION**

*to be completed by Mentors*

with internal interactive links

# THEMES, SESSIONS and MENTORS

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| **Theme of the conference** | **Title of the Parallele session** | **Mentor of the session** |
| Building cross-cutting S&T | [Cultural Heritage](#_BUILDING_CROSS_CUTTING) | Elisa Molinari |
| [Innovative products for wellbeing](#_BUILDING_CROSS_CUTTING_1) | Tullio Tolio  Rudolf Frycek |
| [Advanced technologies for Health](#_BUILDING_CROSS_CUTTING_2) | Fabio Beltram |
| [Integration of KETS for a sustainable society](#_BUILDING_CROSS_CUTTING_3) | Luigi Ambrosio  Arun Junai |
| [Sustainable and healty food production](#_BUILDING_CROSS_CUTTING_4) | Maurizio Gattiglio |
| [Design-driven innovation and frontier materials technologies](#_BUILDING_CROSS_CUTTING_5) | Susana Figueiredo |
| Minds of the future | [Well trained professionals in science and engineering 10,20,30 years from now](#_Well_trained_professionals) | Fabio Beltram  Josep Planell |
| [High quality job creation](#_High_quality_job) | Petra Rudolf  Hervè Però |
| [International cooperation as a tool for the creation of the global market (solving common-global social challenges)](#_WS_-_International) | MAE  Apre  TullioTolio |
| [Nano and converging technologies: opening new paradigms](#_Nano_and_converging) | Elisa Molinari  Fabio Beltram |
| New models of governance | [New models for governing research and/to innovation](#_New_models_for) | Ezio Andreta  Rudolf Frycek |
| [SMEs Policies](#_WS_-_SMEs) | Rudolf Fryceck  Lula Rosso |
| [Regional Instruments](#_REGIONAL_INSTRUMENTS) | Hervè Però  Francesca Cappiello (MISE) |
| [Finance](#_WS_-_FINANCE) | Lula Rosso  RudolfFrycek |
| [Research infrastructures](#_RESEARCH_INFRASTRUCTURES) | Hervè Però  Ezio Andreta |
| Driving disruptive innovation | [Simulation and new approaches for modelling industrial process](#_Simulation_and_new) | Elisa Molinari  Carmen Costantinescu |
| [Addititive Manufacturing](#_ADDITIVE_MANUFACTURING) | Elisa Molinari  Arun Junai |
| [From science to market through FET, KET and more…](#_From_science_to) | Ezio Andreta  Elisa Molinari |
| [Advanced Materials at the cutting edge innovation](#_Advanced_Materials_at) | Luigi Ambrosio  Rodrigo Martins |
| Future of Industry | [Deproduction as a new industry for sustainable society and environment (relevance for health)](#_Deproduction_as_a) | Tullio Tolio  Carmen Costantinescu |
| [New Industrial networks based on cross-cutting technologies](#_New_industrial_networks) | Carmen Costantinescu |
| [Factories for Humans](#_FACTORIES_FOR_HUMANS) | Tullio Tolio  Carmen Costantinescu |
| [New paradigms for high performance sustainable production](#_New_paradigms_for) | Maurizio Gattiglio |
| [Urban Manufacturing](#_WS_-_URBAN) | Carmen Costantinescu  Tullio Tolio |

**MENTORS AND THEMES**

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| **BUILDING CROSS-CUTTING S&T** | Cultural Heritage | Innovative products for wellbeing | Advanced technologies for Health | Integration of KETS for a sustainable society | Sustainable and healty food production | Design-driven innovation and frontier materials technologies |
| AMBROSIO |  |  |  |  |  |  |
| ANDRETA |  |  |  |  |  |  |
| BELTRAM |  |  |  |  |  |  |
| FIGUEIREDO |  |  |  |  |  |  |
| FRYCEK |  |  |  |  |  |  |
| GATTIGLIO |  |  |  |  |  |  |
| JUNAI |  |  |  |  |  |  |
| MOLINARI |  |  |  |  |  |  |

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| **MINDS OF THE FUTURE** | Well trained professionals in science and engineering 10,20,30 years from now | High quality job creation | International cooperation as a tool for the creation of the global market (solving common-global social challenges) | Nano and converging technologies: opening new paradigms |
| BELTRAM |  |  |  |  |
| MAE |  |  |  |  |
| MOLINARI |  |  |  |  |
| PLANELL |  |  |  |  |
| RUDOLF |  |  |  |  |
| TOLIO |  |  |  |  |
| APRE |  |  |  |  |

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| **NEW MODELS OF GOVERNANCE** | New models for governing research and/to innovation | SMEs Policies | Regional Instruments | Finance | Research infrastructures |
| ANDRETA |  |  |  |  |  |
| FRYCEK |  |  |  |  |  |
| MISE |  |  |  |  |  |
| PERO |  |  |  |  |  |
| PLANELL |  |  |  |  |  |
| ROSSO |  |  |  |  |  |

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| **DRIVING DISRUPTIVE INNOVATION** | Simulation of industrial process | Addititive Manufacturing | From science to market through FET, KET and more… | Advanced Materials at the cutting edge innovation |
| AMBROSIO |  |  |  |  |
| ANDRETA |  |  |  |  |
| COSTANTINESCU |  |  |  |  |
| JUNAI |  |  |  |  |
| MARTINS |  |  |  |  |
| MOLINARI |  |  |  |  |

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| **FUTURE OF INDUSTRY** | Deproduction as a new industry for sustainable society and environment (relevance for health) | New Industrial networks based on cross-cutting technologies | Factories for Humans | New paradigms for high performance sustainable production | Urban Manufacturing |
| COSTANTINESCU |  |  |  |  |  |
| GATTIGLIO |  |  |  |  |  |
| TOLIO |  |  |  |  |  |

**CONTENT AND SPEAKERs OF PARALLEL SESSIONS**

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| BUILDING CROSS CUTTING S&T |

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| **TITLE** | | WS CULTURAL HERITAGE | | | | | | | |
| **ABSTRACT** | | Europe has significant cultural diversity together with exceptional ancient architecture, built environment and artefact collections. However time, exposure and environmental changes present significant threats to this cultural heritage (which is one of the assets on which the tourism-related industry relies). Protection of cultural heritage in the face of global change is thus becoming a major concern for decision-makers, stakeholders and citizens in Europe. Research into strategies, methodologies and tools is needed to safeguard cultural heritage against continuous decay. Before irreversible damage is done, concerted actions, based on sound science, are needed to protect, strengthen and adapt Europe's unique cultural patrimony. | | | | | | | |
| **POSSIBLE TOPICS** | | 1) New technologies for cultural heritage 2) Procurement for cultural heritage 3) Culture and innovation (data sharing) 4) Role of the museum in building-up renaissance culture | | | | | | | |
| **STRUCTURE** | | *(e.g. traditional talks, panel discussion with moderator, face-to-face, …)* | | | | | | | |
| **MENTOR** | | Elisa Molinari | | | | | | | |
| **SPEAKERS** | | SUGGESTED CHAIRPERSON / SPEAKERS (maximum 4 + 4 possible substitutes)  [to be contacted later, only after HLSC validation]  Suggested during the HLSC meeting: Bruno Brunetti (University of Perugia and Coordinator of Charisma project), Prof. Belloni, Dupont company (industry challenges for the future)" | | | | | | | |
|  | | **Speaker Name** | | **Organisation** | **Affiliation (SME, industry, University, etc)** | **Male /Female** | **Country** | **Reason of the choice**  **who they are and why it has been proposed** | **Topic** | **Contact (email, phone, …)** | |
| Chairman | |  | |  |  |  |  |  |  |  | |
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| **TITLE** | WS Advanced technologies for healthy future (relevance for health) |
| **ABSTRACT** | Several research activities aim at a potential application of innovative nanotechnologies and biotechnologies in the prediction of human pathologies, the development of well-timed prevention and individual therapy-planning. The issue has several aspects which allow the expectations of great advantages for predictive diagnostics and personalised treatment as the medicine of the future. Amongst the most important aspects are the targeted prevention of the frequent pathologies, non- or minimally-invasive diagnostics, optimal therapy planning, personalised patient treatment, substantial improvement of the quality of life and the plausible solutions for particular social, ethical as well as serious economical problems. The concept of personalized medicine not only promises to enhance the life of patients and increase the quality of clinical practice and targeted care pathways, but also to lower overall healthcare costs through early-detection, prevention, accurate risk assessments and efficiencies in care delivery. Are the greatest challenges scientific or economic? |
| **POSSIBLE TOPICS** | 1)Personalised diagnostics and therapies  2)Regenerative medicine  3)Robotics in medicine  4)Translating research results into healthcare services |
| **STRUCTURE** | *(e.g. traditional talks, panel discussion with moderator, face-to-face, …)* |
| **MENTOR** | Fabio Beltram |
| **SPEAKERS** | SUGGESTED CHAIRPERSON / SPEAKERS (maximum 4 + 4 possible substitutes)  [to be contacted later, only after HLSC validation]  Suggested during the HLSC meeting: Molteni (Rehab Hospital); Paolo Dario (robotics) |

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|  | **Speaker Name** | **Organisation** | **Affiliation (SME, industry, University, etc)** | **Male /Female** | **Country** | **Reason of the choice**  **who they are and why it has been proposed** | **Topic** | **Contact (email, phone, …)** |
| Chairman |  |  |  |  |  |  |  |  |
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| **TITLE** | WS Innovative products for wellbeing |
| **ABSTRACT** | The focus of the session is to present cross-cutting technologies from areas like materials, processes, production systems which can increase the capability of companies in addressing different needs of market niches for consumer wellbeing. This session will show how companies can address the needs of target groups like elderly, obese, sport people by providing innovative personalized products (e.g. adding new functionalities) and new services (e.g. provide real time monitoring systems). |
| **POSSIBLE TOPICS** | The session should be focused on example of applications and examples of technologies.  1) Ageing population products and Sport Products  2) Functional products  3) Nano-treatments and new materials to functionalize product components for specific target groups like diabetic, obese, elderly people.  4)Technologies supporting product customization to include consumer tastes and need for functionalization during design and production;  5)Changing Manufacturing technologies to improve personalization capability for wellbeing  6) Wereable products |
| **STRUCTURE** | *(e.g. traditional talks, panel discussion with moderator, face-to-face, …)* |
| **MENTOR** | Tullio Tolio, Rudolf Frycek |
| **SPEAKERS** | SUGGESTED CHAIRPERSON / SPEAKERS (maximum 4 + 4 possible substitutes)  [to be contacted later, only after HLSC validation]  Suggested during the HLSC meeting: CSEM e.g complex |

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|  | **Speaker Name** | **Organisation** | **Affiliation (SME, industry, University, etc)** | **Male /Female** | **Country** | **Reason of the choice**  **who they are and why it has been proposed** | **Topic** | **Contact (email, phone, …)** |
| Chairman |  |  |  |  |  |  |  |  |
| 1 | Lutz Walter | ETP clothing | Association | M | Belgium | ETP Textile and Clothing | Might by a speech on Prosumer.net roadmap with a specific focus on wellbeing in consumer goods  Or, Overview on the innovative technologies in the textile and clothing sector |  |
| 2 | Rainer Trieb | Human Solutions | Company | M | Germany | Director Key Projects & Research  <http://www.human-solutions.com/group/>  CAD, 3D visualization systems, body scanning, anthropometric data analysis | Anthropometric data with specialized application in consumer goods |  |
| 3 | Polegato | Geox | Company | M | Italy | [www.geox.com](http://www.geox.com)  company producing comfort shoes and wear  this or a company from the clothing sector with advanced applications and devices |  |  |
| 4 | Hilmar Janusson | School of  Engineering and lIfe Sciences in Island |  |  |  | - now a Dean of School of  Engineering and lIfe Sciences in Island  , but a former director of Össur,  the company which makes a lot of hard and soft orthopedic devices (e.g.  the legs of Oscar Pistorius) - Island |  |  |
| 5 |  | Klaveness | Company | M /F | Portugal /norway | Company producing orthopaedic shoes and products http://www.klaveness.no/en | New design and production strategies for specific target group requirements |  |
| 6 |  | Alpinestars | Company | M/F | Italy | Products for sport based on advanced features  http://www.alpinestars.com/ | Smart technologies for sportwear products |  |
| 7 |  | Compex | Company |  | Germany | a global leader in electrostimulation of muscles  for regeneration and sport usage. emblematic in R&D  effort and in their market domains. |  |  |
| 8 |  | Ohmatex | Company | M/F | Denmark | Sensor systems for textile application  http://www.ohmatex.dk/ | Smart textile technologies, sensoring systems for textile application |  |
| 9 |  | CSEM | Company | M/F | CH | http://www.csem.ch/site/default.asp | Microsystems, surface technologies |  |

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| **TITLE** | WSINTEGRATION OF KETS FOR A SUSTAINABLE SOCIETY |
| **ABSTRACT** | Key enabling technologies have a huge potential for growth and will have a strong impact on competitiveness in many industrial sectors. Only those nations and regions mastering KETs will be at the forefront of future advanced and sustainable economies. For those reasons, KETs are among the priority action lines of the European Industrial policies. While each of the KETs individually already has huge potential for innovation, their cross-fertilization is particularly important as combinations of KETs offer even greater possibilities to foster innovation and create new markets.  The session shall be a cross-fertilization workshop based on examples.  Attention should be paid to address the issue onlyfrom a NMP perspective |
| **POSSIBLE TOPICS** | 1. the EU policies on KET, the KETs observatory 2. KETs: from research to market, which TRL? 3. the multi-KETs pilot line project 4. KETs skills and education 5. Access to finance for Investments in KETs |
| **STRUCTURE** | *panel discussion with moderator* |
| **MENTOR** | Luigi Ambrosio, Arun Junai |
| **SPEAKERS** | SUGGESTED CHAIRPERSON / SPEAKERS (maximum 4 + 4 possible substitutes)  [to be contacted later, only after HLSC validation]:  Suggested during the HLSC meeting: DG RTD, DG ENTR, Rudolph Lichtmannegger (WKO), Leena Savaranta (VTT), Brendan Cannon (Intel) |

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|  | **Speaker Name** | **Organisation** | **Affiliation (SME, industry, University, etc)** | **Male /Female** | **Country** | **Reason of the choice**  **who they are and why it has been proposed** | **Topic** | **Contact (email, phone, …)** |
| Chairman | Gabriel CREAN | CEA | Technological Research Org. | M | FR | Chair HLG KET | KET HLG final report | gabriel.crean@cea.fr |
| 1 | Michel CATINAT | EC | EU institution | M | FR | HoU KET DG ENTR | EC KETs policy | Michel.Catinat@ec.europa.eu |
| 2 | Doris SCHROECKER | EC | EU institution | F | AT | HoU KET DG RTDI | KETs towards the market (TRL) | Doris. Schroecker@ec.europa.eu |
| 3 | Luigi AMBROSIO | CNR | Public research | M | IT | KET HLG member | Cross-cutting KETS | Direttore.dsctm@cnr.it |
| 4 | Nicolas KALOGERAKIS | UNI | University | M | EL | Rapporteur of KETs skill workshop | KETs skills | Nicolas.kalogerakis@enveng.tuc.gr |
| 5 | Leena SARVARANTA | VTT | Technological research | F | FI | VTT Vice President – EU affairs | KETs & societal challenges | Leena.sarvaranta@vtt.fi |
| 6 | Rudolf LICHTMANNEGGER | WKO | Austrian Federal Economic Chamber | M | AT | Kets policies at regional level | KETs in SMEs | rudolf.lichtmannegger@wko.at |
| 7 | Paul MJILEMANS | UMICORE | Private company | M | BE | Director external science and technology | Multi-KETs pilot lines | paul.mijlemans@eu.umicore.com |
| 8 | Gunnar MUENT | EIB | Finance | M | DE | EIB | Access to finance | g.muent@eib.org |

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| **TITLE** | | SUSTAINABLE AND HEALTHY FOOD PRODUCTION | | | | | | | |
| **ABSTRACT** | |  | | | | | | | |
| **POSSIBLE TOPICS** | | 1) Smart packaging  2) Lessons learned from REACH  3) Symbiotic production  4) Expo 2015  5) Social acceptability  6) Africa  7) Food Packaging  8) Advanced materials for smart food packaging applications | | | | | | | |
| **STRUCTURE** | | *(e.g. traditional talks, panel discussion with moderator, face-to-face, …)* | | | | | | | |
| **MENTOR** | | Maurizio Gattiglio | | | | | | | |
| **SPEAKERS** | | SUGGESTED CHAIRPERSON / SPEAKERS (maximum 4 + 4 possible substitutes)  [to be contacted later, only after HLSC validation]  Suggested during the HLSC meeting: Massimiliano Vaccari | | | | | | | |
|  | | **Speaker Name** | | **Organisation** | **Affiliation (SME, industry, University, etc)** | **Male /Female** | **Country** | **Reason of the choice**  **who they are and why it has been proposed** | **Topic** | **Contact (email, phone, …)** | |
| Chairman | |  | |  |  |  |  |  |  |  | |
| 1 | |  | |  |  |  |  |  |  |  | |
| 1 | | Daniele Rossi | | Spes-geie/Federalimentare | Association | M | Italy | Amministratore Delegato con deleghe relative alla Ricerca e alla Formazione  Chair of Cluster “Italian food for life”  http://www.federalimentare.it/m\_chi\_siamo.asp | Italian cluster for agrifood |  | |
| 2 | | Lisbeth Munksgaard | | University | University of Aalborg | F | Denmark | Head of AAU Center for Food Research  Coordinator of food manufuture  http://personprofil.aau.dk/120320 | New European roadmap for food manufacturing research |  | |
| 3 | | Michela Petronio | | Barilla | Company | F | Italy | RD Technology, Process, Packaging Research and Laboratories Director  Leading food manufacturing company | Health food design and production |  | |
| 4 | |  | | Ferrero | Company |  | Italy | Leading food manufacturing company | High tech in the food production |  | |
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| **TITLE** | | WS – Design-driven innovation and frontier materials technologies | | | | | | | |
| **ABSTRACT** | | The interface between product design and materials research has assumed a new importance in the European Innovation agenda, both for accelerating the development of high value products and technologies and the delivery of solutions to major societal challenges, such as the need to find new approaches to secure, clean and efficient energy, to develop smart, green and integrated transport and to improve resource efficiency.  The materials industry has well established technological competences, whereas industrial design and creative industries are stronger in interpreting the users’ needs and the context of using materials. Bridging the gap between the creative design of products that meet the needs of the market, and the research and development of new materials, interfaces and functions can open the way to disruptive research and innovation in both fields.  There are, however, barriers to the timely integration of the materials research into product development processes that need to be overcome. There are also factors that can enhance and speed this process and that need to be further promoted in order to help European industry make the best possible use of the knowledge created in Knowledge Intensive SME’s and Universities across Europe. These include, amongst others, issues such as communication between the different communities, access to the science base, access to finance and to business support activities and professional training.  The aim of the workshop is to hold an open discussion on the followingspecific points:   * The major barriers identified in the integration of frontier materials technologies into the design and development of new products; * The methodologies used to overcome those barriers; * Additional policies and measures that could help speed the process.   *As mentioned in previous meetings, it would be interesting to include a materials exhibition, if possible, within the area of the conference.* | | | | | | | |
| **POSSIBLE TOPICS** | | 1 Creative industry  2) Materials research / Frontier materials  3) Methodologies for design driven innovation  4) Barriers to collaborations between materials scientists and product designers  5) Eco-innovation / Life cycle assessment / Cradle to cradle  6) Best practices from a design company perspective  7) Examples from materials/manufacturing companies  8) On-going European funded initiatives  9) Relevant public policies  10) Additional initiatives necessary to overcome the barriers | | | | | | | |
| **STRUCTURE** | | 3 initial short talks (15 minutes) to introduce the topic and the perspective of the materials research and the design/ industry:  Roberto Verganti  Tracey Rawling Church  Ehrenfried Zschech (*or replacements*).  Round table discussion, with a set of questions formulated by the chairman. To include the initial speakers + 3 EU project managers (Erik Tempelman, Nadja Adamovic, Paolo Di Trapani).  Possibility of intervention from the public (by means of formulating questions and perhaps filling some specifically developed forms, on paper or online, if this is considered to be feasible) | | | | | | | |
| **MENTOR** | | Susana Figueiredo | | | | | | | |
| **SPEAKERS** | | SUGGESTED CHAIRPERSON / SPEAKERS (maximum 4 + 4 possible substitutes)  [to be contacted later, only after HLSC validation]: | | | | | | | |
|  | | **Speaker Name** | | **Organisation** | **Affiliation (SME, industry, University, etc)** | **Male /Female** | **Country** | **Reason of the choice**  **who they are and why it has been proposed** | **Topic** | **Contact (email, phone, …)** | |
| Chairman | | Robert Quarshie | | Institute of Materials, UK | Public institutions | M | UK | Materials KTN Director. Responsible for MaDE (Materials and Design Exchange), a programme that brings together the communities of design and materials technology | - | [robert.quarshie@materialsktn.net](mailto:robert.quarshie@materialsktn.net) | |
| Chairman (deputy) | | Erik Tempelman | | TU Delft | *University* | M | Netherlands | Project manager for a FP7 funded project on design driven innovation | - | [E.Tempelman@tudelft](mailto:E.Tempelman@tudelft).nl  Short bio:  <http://www>.io.tudelft.nl/en/organisation/personal-profiles/associate-professors/tempelman-e/ | |
| 1 | | Tracey Rawling Church | | Kyocera Documents Solutions | Company | F | UK | Company focused on sustainable office printing (based on an innovative materials and design solution) | Eco-innovation | Tracey Rawling Church [tracey.rawling.church@duk.kyocera.com](mailto:tracey.rawling.church@duk.kyocera.com)  Short bio:  <http://www.kyoceradocumentsolutions.co.uk/index/about_us/press/km_spokespeople/tracey_rawling_church.html>  More information on <http://www>.innomatnet.eu/case-studies/ | |
| 2 | | Ehrenfried Zschech | | Fraunhofer | Research organization | M | DE | Industry and academia strong experience. Also President of FEMS. | Frontier | Ehrenfried Zschech [Ehrenfried.Zschech@izfp-d.fraunhofer.de](mailto:Ehrenfried.Zschech@izfp-d.fraunhofer.de)  Short bio  <http://www>.mfd-dresden.com/fileadmin/MFD-Dateien/Bilder/PDF/Ehrenfried\_Zschech\_cv\_2011\_2.pdf | |
| 3 | | Roberto Verganti | | Politecnico di Milano | University | M | IT | Author of several opublications on the theme, including “*Design Driven Innovation”* | Design-driven innovation | [roberto.verganti@polimi.it](mailto:roberto.verganti@polimi.it)  Short bio:  <http://www>.verganti.it/bio&publications.html#bio | |
| 4 | | Nadja Adamovic | | Institute of Sensor and Actuator Systems Vienna University of Technology | University | F | AT | Project manager for a FP7 funded project on design driven innovation |  | [Nadja.Adamovic@tuwien.ac.at](mailto:Nadja.Adamovic@tuwien.ac.at)  Contacts at <http://www.isas.tuwien.ac.at/mitarbeiter.php?sitecode=1-4-1&select=detail&pers_id=601> | |
| 5 | | Paolo Di Trapani | | University of Insubria | University | M | IT | Project manager for a FP7 funded project on design driven innovation |  | [paolo.ditrapani@uninsubria](mailto:paolo.ditrapani@uninsubria).it / [skycoat12@gmail.com](mailto:skycoat12@gmail.com)  short bio  <http://www.uninsubria.eu/research/physmath/cv_DiTrapani.htm> | |
| 6 | | David Lussey | | Peratech | SME | M | UK | Developed and markets an innovative material (QTC™ Material (Quantum Tunnelling Composite) pressure sensing materials |  | [david.lussey@peratech.com](mailto:david.lussey@peratech.com)  short bio  <http://www>.peratech.com/board-of-directors-and-advisors.html  More information on <http://www>.innomatnet.eu/case-studies/ | |
| 7 | | Sebastian Conran | | Conran and Associates | Company | M | UK |  |  | More info:  <http://sebastianconran>.com/about/ebastian-conran/3.html | |
| 8 | | Jaana Beidler | | Head of Color and Material Design, Mobile Phones and Gear, Nokia, | Company | F | Finland |  | Why Product Design Needs Materials Innovation | [jaana.beidler@nokia](mailto:jaana.beidler@nokia).com | |
| 9 | | Eduard Arzt | | director of a Leibniz-Institute on New Materials |  | M | DE |  |  | [http://www.inm-gmbh.de/en/management-of-inm/](http://posta.apre.it/owa/redir.aspx?C=69c58b21e6764080aabdd737ffdd40a4&URL=http%3a%2f%2fwww.inm-gmbh.de%2fen%2fmanagement-of-inm%2f)). | |

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| **TITLE** | Well trained professionals in science and engineering 10,20,30 years from now |
| **ABSTRACT** | People are the most important asset for the future of Europe: unleashing their potential through education is a key factor. This session will discuss how to attract talents to science and engineering at all education stages, and how education can help to reach the point where knowledge leads to the capability of solving the problems and inventing a new future. A new approach to educational models is required to prepare top-notch experts in their fields while strengthening their cross-disciplinary vision, and to valorize existing European culture, supporting the future society. |
| **POSSIBLE TOPICS** | 1) Comparing success cases: industrial doctorates  2)Networks of universities and research centers  3)EIT, Erasmus and other instruments  4)Distance learning and new education models  5)Education in manufacturing disciplines: how to link excellence of science programs with industrial leadership. (move from other session)  6) Long-life learning |
| **STRUCTURE** | *(e.g. traditional talks, panel discussion with moderator, face-to-face, …)* |
| **MENTOR** | Fabio Beltram, Josep Planell |
| **SPEAKERS** | SUGGESTED CHAIRPERSON / SPEAKERS (maximum 4 + 4 possible substitutes)  [to be contacted later, only after HLSC validation]  Suggested during the HLSC meeting: Klotz Gernot (Sherpa Ket), Prof Palleari, George Chryssoluris, Carl Leo; Head Hunter; Rocca (EIT) |

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|  | **Speaker Name** | **Organisation** | **Affiliation (SME, industry, University, etc)** | **Male /Female** | **Country** | **Reason of the choice**  **who they are and why it has been proposed** | **Topic** | **Contact (email, phone, …)** |
| Chairman |  |  |  |  |  |  |  |  |
| 1 | Eberhard Abele | University of Darmstadt | University | M | Germany | Initiator and director of the biggest learning factory in Germany | Learning factories |  |
| 2 | Stefano Paleari | CRUI, University of Bergamo | University | M | Italy | http://www.crui.it/english/HomePage.aspx?ref=1735 | The future of university |  |
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| **TITLE** | High quality job creation |
| **ABSTRACT** | The employment rate in Europe continues to show a negative trend and a strong reversal would be needed to reach the Europe 2020 headline targets of 75% for men and women aged 20-64. This makes jobs creation a key priority of the EU for the next future in order to guarantee citizens adequate wellbeing conditions. Moreover it has also been shown to have a significant impact on workforce skills, infrastructure and innovation. This session will discuss how technology development **helps the creation of new paradigms for hitech industries and**changes the type of workforce towards high skilled people. As a matter of fact in cutting edge sectors, export is increasing especially towards developing economies. The unescapable new models necessary to match job demand and offer should be based on continuous alignment between corporate, government and social interests. This shift of paradigm requires new skills and calls for advanced training programmes. |
| **POSSIBLE TOPICS** | 1) **Which EU policy** for sustainable employment?  2) New/best conditions for creating new industry and high quality jobs, including best practices for women inclusion  ) ~~Best practice of women inclusion in academic and industry careers~~  ~~) Integration of social aspects for creation of new jobs~~  3) **Skills for a new generation of hi-tech industries, incl.**logistics and project management  4) ~~International dimension~~**Economic modelslinked with high quality job creation** |
| **STRUCTURE** | *(e.g. traditional talks, panel discussion with moderator, …)* |
| **MENTOR** | Petra Rudolf, Hervè Però |
| **SPEAKERS** | SUGGESTED CHAIRPERSON / SPEAKERS (maximum 4 + 4 possible substitutes)  [to be contacted later, only after HLSC validation]  Suggested during the HLSC meeting: |

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|  | **Speaker Name** | **Organisation** | **Affiliation (SME, industry, University, etc)** | **Male /Female** | **Country** | **Reason of the choice**  **who they are and why it has been proposed** | **Topic** | **Contact (email, phone, …)** |
| Chairman |  |  |  |  |  |  |  |  |
| 1 | xxx | EC | DG employment / DG Regio | M/F | EC | Need for an EU-based policy | 1 |  |
| 2 | Jana Kolar | Morana RTD | SME | F | SI | Ex DG Research & Innovation, SI Ministry | 2 |  |
| 3 | John Wood | Commonwealth Universities | University | M | UK | In charge of education policy for Commonwealth Univ. | 3 |  |
| 4 | Patricio Bianchi | Bologna Region | Public authority | M | IT | Regional minister for Research, Industry and Education | 4 |  |
| 5 | Age Mariussen | Univ. Vaasa | University |  | FI | Author of policymakers guidelines | 1 |  |
| 6 |  |  |  |  |  |  |  |  |
| 7 | Cecilia Warrol Ersson | Teknikforetagen | Association | F | Sweden | <http://www.teknikforetagen.se/home/About-us/>  <http://www.teknikforetagen.se/sv/Sidor/Profilsida/?loginname=cecilia__warrolersson> | education, research and business |  |
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| **TITLE** | WS - International cooperation as a tool for the creation of the global market (solving common-global social challenges) |
| **ABSTRACT** | International cooperation has a fundamental role to aggregate knowledge and solutions for addressing global societal challenges that toned to be considered a shared responsibility.  In the session we will explore the new European strategy for international cooperation for Research and Innovation under Horizon 2020 based on strategic partnerships with selected key partner countries. Focus will be given to responding better to industrial changes and framework conditions for opening new markets and fostering European competitiveness, such as IPR and standardization. |
| **POSSIBLE TOPICS** | 1) Key note: New International Cooperation Strategies for Research and Innovation of the European Commission  2) Strategic Partnerships for solving common challenges: two different realities, two successful solutions – 2 speakers  3) Can standardization and IPR be a solution to open new markets and foster competitiveness?  4) 2 case studies TBI |
| **STRUCTURE** | *(e.g. traditional talks, panel discussion with moderator, face-to-face, …)* |
| **MENTOR** | MAE, Martina Desole, Tullio Tolio |
| **SPEAKERS** | SUGGESTED CHAIRPERSON / SPEAKERS (maximum 4 + 4 possible substitutes)  [to be contacted later, only after HLSC validation]  Suggested during the HLSC meeting: Daan Dutoit (sp. Suggested by Hervé Pero) |

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|  | **Speaker Name** | **Organisation** | **Affiliation (SME, industry, University, etc)** | **Male /Female** | **Country** | **Reason of the choice**  **who they are and why it has been proposed** | **Topic** | **Contact (email, phone, …)** |
| Chairman | Daan Du Toit | DST | Government | M | ZA | Great expert of International cooperation, both  multilateral  And bilateral |  | [Daan.duToit@dst.gov.za](mailto:Daan.duToit@dst.gov.za) |
| 1 | Maria Cristina Russo | EC | Director | F | EU | Director of the International Cooperation Directorate | **1** | [Maria-cristina.russo@ec.europa.eu](mailto:Maria-cristina.russo@ec.europa.eu) |
| 2 | Kevin Fitzgibbons | NSERC | Director for International Relations | M | CAN | Great expert in therelations between Eu and Canada (former Director General at the Ministry of Foreign Affairs in Canada) and now responsible for the International relation of one of the biggest Funding Agencies in Canada NSERC | **2** |  |
| 3 | Dr Boni Mehlomakulu | South African Bureau of Standardisation | CEO | F | ZA | She would be able to articulate the importance of global R&D partnerships to advance standardisation - and has lots of experience in the energy sector. | **3** |  |
| 4 |  |  |  |  |  |  |  |  |
| 5 | Dr Sibusiso Sibisi | South Africa's Council for Scientific and Industrial Research | President and CEO | M | ZA | South Africa's Council for Scientific and Industrial Research is Africa's largest industrial research organisastion, and which have multiple strategic international partnerships in the LEIT. | 4 |  |
| 6 | Prof. Noordin Mohd | University /government |  |  | Malaysia | Consultant of the Malaysian government on recycling WEEE products | 4 |  |
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| **TITLE** | Nano and converging technologies: opening new paradigms |
| **ABSTRACT** |  |
| **POSSIBLE TOPICS** | 1) Bottom-up production  2) Role of the converging technologies  3) Building the frame for nanoproducts  4) Standards |
| **STRUCTURE** | *(e.g. traditional talks, panel discussion with moderator, face-to-face, …)* |
| **MENTOR** | Elisa Molinari, Fabio Beltram |
| **SPEAKERS** | SUGGESTED CHAIRPERSON / SPEAKERS (maximum 4 + 4 possible substitutes)  [to be contacted later, only after HLSC validation]  Suggested during the HLSC meeting: Industry |

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|  | **Speaker Name** | **Organisation** | **Affiliation (SME, industry, University, etc)** | **Male /Female** | **Country** | **Reason of the choice**  **who they are and why it has been proposed** | **Topic** | **Contact (email, phone, …)** |
| Chairman |  |  |  |  |  |  |  |  |
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| **TITLE** | New models for governing research and/to innovation |
| **ABSTRACT** | To govern innovation from research to the market is more and more a complex task requiring from the beginning of the project the involvement of all public and private stakeholders. They, sharing the same strategic vision of development, may drive their actions towards common objectives coordinating and combining activities, measures, resources and financial instruments. |
| **POSSIBLE TOPICS** | 1) Knowledge-based industrial governance  2) Public Procurement  3) Building an appropriate framework for Open innovation  4) PPPs new models of governance for R&I |
| **STRUCTURE** | *(e.g. traditional talks, panel discussion with moderator, face-to-face, …)* |
| **MENTOR** | Ezio Andreta, Rudolf Frycek |
| **SPEAKERS** | SUGGESTED CHAIRPERSON / SPEAKERS (maximum 4 + 4 possible substitutes)  [to be contacted later, only after HLSC validation]  Suggested during the HLSC meeting: Maria Grazia Carvalho, Holst/Tno, (Bonaccorsi), Nanofuture president  Public procurement: Elvira Uyarra-Luke Georghiou-Jacob Edler (Manchester Business School); Calderini Mario (Politecnico of Turin);  Innovation policy: Francesco Lissoni (University of Brescia);Francesca Lotti (Banca di Italia) |

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|  | **Speaker Name** | **Organisation** | **Affiliation (SME, industry, University, etc)** | **Male /Female** | **Country** | **Reason of the choice**  **who they are and why it has been proposed** | **Topic** | **Contact (email, phone, …)** |
| Chairman |  |  |  |  |  |  |  |  |
| 1 | Anton Anton | Technical University Of Civil Engineering | University | M | Romania | Former President of the National Agency for Research and Higher Education – Secretary of State for Research, Former Minister of Education, and Research  Professor at Technical University Of Civil Engineering, President of the Senate, Bucharest | New models for governing innovation |  |
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| **TITLE** | New models for governing research and/to innovation |
| **ABSTRACT** | To govern innovation from research to the market is more and more a complex task requiring from the beginning of the project the involvement of all public and private stakeholders. They, sharing the same strategic vision of development, may drive their actions towards common objectives coordinating and combining activities, measures, resources and financial instruments.**This session will discuss the evolution of models of innovation governance, the conditions driving knowledge-based innovation and the possible ways to stimulate it at EU level.** |
| **POSSIBLE TOPICS** | 1) Knowledge-based **innovation**governance  2) Building an appropriate framework for innovation  3) New models of governance for R&I |
| **STRUCTURE** | *(e.g. traditional talks, panel discussion with moderator, …)* |
| **MENTOR** | Ezio Andreta, Rudolf Frycek |
| **SPEAKERS** | SUGGESTED CHAIRPERSON / SPEAKERS (maximum 4 + 4 possible substitutes)  [to be contacted later, only after HLSC validation]  Suggested during the HLSC meeting: Maria Grazia Carvalho, Holst/Tno, (Bonaccorsi), Nanofuture president  Public procurement: Elvira Uyarra, Luke Georghiou,Jacob Edler (Manchester Business School); Calderini Mario (Politecnico of Turin);  Innovation policy: Francesco Lissoni (University of Brescia);Francesca Lotti (Banca di Italia) |

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|  | **Speaker Name** | **Organisation** | **Affiliation (SME, industry, University, etc)** | **Male /Female** | **Country** | **Reason of the choice**  **who they are and why it has been proposed** | **Topic** | **Contact (email, phone, …)** |
| Chairman | M.G. Carvalho | ITRE | European Parliament | F | PT | Strongly involved at EP |  |  |
| 1 | Allan Larsson |  | Ex-finance Minister, ex-DG employment | M | SE | Strongly involved in innovation in SE | 1 |  |
| 2 | Ann Glover | EC | S7T Advisor M. Barroso | F | IE | European dimension | 2 |  |
| 3 | Dominique Foray | EPFL | University | M | CH | Economic models | 3 |  |
| 4 | Bernard Bigot | CEA | Research Organisation - General Administrator | M | FR | Research & Innovation models | 3 |  |
| 5 | Luke Georghiou | Manchester Business School | University | M | UK | Research & Innovation models | 3 |  |
| 6 | Francesco Lissoni | Univ Brescia | University | M | IT | Innovpolicyation | 2 |  |
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| **TITLE** | WS - SMEs Policies |
| **ABSTRACT** | Important financial resources have been provided for SMEs in different EU Programs for the period 2014-2020, (particularly in H2020), in order to support the high quality jobs creation by a new generation of Knowledge innovation driven SMEs. The aim of the workshop is to provide information about these SME-targeted initiatives. Comparison of these new tools with other existing EU financing tools will performed and applicable suggestions will be provided to SMEs, to allow appropriate selection of funding tools suitable forintended actions. The workshop will be an ideal platform to exchange views between Commission’s Officials and stakeholders and to identify barriers and suggestions for supporting the activities of SMEs.  SMEs in general are considered as innovation drivers, however they often lack specific technical or non-technical knowledge necessary to bring a successful business, which is readily available in large companies. The workshop will also overview what type of coaching may be of benefit for SME in their specific stage of development.  This workshop is particularly prepared for SMEs from the key enabling technology domain, but it is also open to research managers and national policy makers. |
| **POSSIBLE TOPICS** | 1) Comparing start-up best practices and policies  2)Policies for frontier SMEs vs. SME "recovery actions": impact and priorities  3) Start-up policies  4) Supporting frontier SMEs  5) Start-up best practices  6) SME instruments+ EEN |
| **STRUCTURE** | **FOR DISCUSSION - 2** *Talks from EC (COSME+SMEinstr) + strong chairmanship + round table+ survey done by all attendees (1 sheet – 5 questions max).* |
| **MENTOR** | Rudolf Frycek, Lula Rosso, Cristina Piai |
| **SPEAKERS** | SUGGESTED CHAIRPERSON / SPEAKERS (maximum 4 + 4 possible substitutes)  [to be contacted later, only after HLSC validation]  Chairperson*: strong moderator introduce the concept how SME can access finance for innovationneeded.*  *Director of platinn – Swiss innovation platform CH – Mr. Christoph Meier - christoph.meier@platinn.ch*  1) SME opportunities in H2020: (5min)  *Suggestions: Clément WILLIAMSON Support Programmes DG Enterprise and Industry? Marco Malacarne head of operations EASME?*  2) EIB/EIFor Commission on COSME on innovative financial instrument (5min)  3) 'Fast Track to Innovation Pilot'  *Suggestion: Bernd Reichert, Head of Unit, DG Research and Innovation, now in EASME (for the implementation)*  4) Coaching for start-ups or sustainable SME companies, what type of coaching is there, advice for applicants  *Good practise from DK, UK,, ITetc.*  + 2-4 successful start-ups/SMEswho do a brief presentation illustrating status of company, explaining different problems and needs at different stage of development to challenge the institutional speakers and stim ulate discussion to feed back to the EC.  *Suggestions: (ask ASTER) or Jane ni Dhulchaointigh, CEO Sugru, F,UK,* [*http://sugru.com*](http://sugru.com)*, Atlante Seed Fund (Intesa Sanpaolo Group)*  Other possibilities:  Best practice of start-up programmes from Member States: (contact: [nora.lenner@ec.europa.eu](mailto:nora.lenner@ec.europa.eu) for emails)  o Esa Panula-Ontto, Tekes- Funding Agency for Technology and Innovation, Finland or Ms Sisko Sipilä chief technology adviser  o David Golding, Technology Strategy Board (TSB), United Kingdom  o Luis J. Guerra Casanova , CDTI – Ministry of Economy and Competitiveness, Spain  o Milena Jozwik, ministry of economy, Poland (not personally seen her speak)  Representative from Intesa Sanpaolo Servizio Innovazione (Programme Start Up Initiative) Italy  Rapporteur: Rudolf Frycek  Suggested during the HLSC meeting: Silvia de Maza (A4MS)<http://www.innovalia.org/en/> |

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|  | **Speaker Name** | **Organisation** | **Affiliation (SME, industry, University, etc)** | **Male /Female** | **Country** | **Reason of the choice**  **who they are and why it has been proposed** | **Topic** | **Contact (email, phone, …)** |
| Chairman |  |  |  |  |  |  |  |  |
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| **TITLE** | REGIONAL INSTRUMENTS |
| **ABSTRACT** | Regions can have a crucial role in promoting innovation and generating infrastructural changes in line with EU 2020 objectives, managing their financial instruments in synergy with EU Commission, Central Governments and other Regions activities. The definition of a Smart Specialisation Strategy (S3) is a support for the Regions, introduced to stimulate, through systemic and synergic approaches, the concentration of public and private resources on few projects with high value and impact. A difficult challenge which can be successfully faced if Commission, National Governments and Regions shall be in short time able to work out some simple and transparent mechanisms, procedures and regulations facilitating the realization of synergies between H2020 and Regional Funds. |
| **POSSIBLE TOPICS** | 1) Strategies for reaching EU2020 objectives  2) Regional partnerships & examples of regional cooperation to promote innovation (synergies H2020/Structural funds & regional partnerships)  3) Rules and instruments for possible synergies |
| **STRUCTURE** | *(e.g. traditional talks, panel discussion with moderator, face-to-face, …)* |
| **MENTOR** | Hervè Però, Francesca Cappiello (MISE) |
| **SPEAKERS** | SUGGESTED CHAIRPERSON / SPEAKERS (maximum 4 + 4 possible substitutes)  [to be contacted later, only after HLSC validation]  Suggested during the HLSC meeting: Josè Caldeira (already in the Greek conference) |

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|  | **Speaker Name** | **Organisation** | **Affiliation (SME, industry, University, etc)** | **Male /Female** | **Country** | **Reason of the choice**  **who they are and why it has been proposed** | **Topic** | **Contact (email, phone, …)** |
| Chairman | Patricio Bianchi |  | Regione Emilia Romagna | M | IT | Strongly involved in Regional Innovation policy |  |  |
| 1 | Eliane Giraud |  | Region Rhone Alpes | F | FR | Regional policy | 1 |  |
| 2 | Vlastimil Ruzicka |  | ELI | M | CZ | European Research & Innovation partnership | 2 |  |
| 3 | Katja Reppel |  | EC-DG Regio | F | EU | Regional policy | 1 |  |
| 4 | Antonio Almagro |  | HoU, JASPERS, EIB | M | EU | Support to European Innovation partnership | 3 |  |
| 5 | Jose Caldeira |  | Director INESC Porto | M | PT | Innovation at regional level | 2 |  |
| 6 | Carlos Martinez Riera |  | Councelor for Science & Innovation | M | ES | Regional Innovation policy | 1,2,3 |  |
| 7 | Mikel Landabaso |  | HoU, DG Regio, EC | M | EU | Regional policy | 1 |  |
| 8 | Agnieszka Olechnicka |  | Varsaw University | F | PL | Regional cooperation | 2 |  |
| 9 | Mark Boden | IPTS | Research center | M | Spain | JRC Action Leader for “ERA policy mixes, joint programming and foresight” at EU Agency in Sevilla |  |  |
| 10 | Eduard Chlebus | Wroclaw University | University | M | Poland | Dean of Mechanical Engineering Faculty, Wrocław University of Technology | H202 and Regional dimension |  |

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| **TITLE** | WS – FINANCE alternative titles (finance matters; money matters) |
| **ABSTRACT** | Finance plays an important role in the innovation enabling research results to become products and services and generate profit and jobs for Europe.  This workshop intends toshow a variety of possibilities for financing innovation projects, together with the skills and preparation needed to secure private investments. It will clarify links between H2020 and EIB instruments as well as modalities and condition to Venture Capital and loans access.  New (alternative or complementary) ways to leverage private investment, through inducement prizes and crowd-funding will also be discussed, presenting the pro and cons and specificity of each instrument. This workshop is particularly aimed at potential innovators from the key enabling technology domain but it is also open to research managers and national policy makers. |
| **POSSIBLE TOPICS** | 1) Crowd funding  2) Inducement prizes  3) Fast track innovation  4) Link between programs (h2020-cosme-eureka and EIB/EIF instruments) and research & innovation  5) SME instruments |
| **STRUCTURE** | *(e.g. traditional talks, panel discussion with moderator, face-to-face, …)* |
| **MENTOR** | Lula Rosso, Rudolf Frycek, Cristina Piai |
| **SPEAKERS** | SUGGESTED CHAIRPERSON / SPEAKERS (maximum 4 + 4 possible substitutes)  [to be contacted later, only after HLSC validation]  Chairperson: Peter Droell acting director B innovation? Again a strong chairman is needed to help stimulate the discussion. With respect to the SME policy session this will include slightly longer talks exploring in detail how and when to approach each financial option, but there may be space for interaction by asking the participants in advance challenging financial questions for the speakers. The discussion will then moderated by the chairperson.  1) Links between H2020 and EIB/EIF and risk sharing finance—  *Suggestions: Laura PIOVESAN Head of Division Innovative Industries EIB) or a company that successfully applied to both?*  2) Private bank on how risks evaluates to R&I projects are evaluated + advice for applicants  *Suggestions: Representative of Atlante Seed Fund - IntesasanPaolo*  3) SIP, business angels + advice for applicants  4) Inducement prizes in H2020 (link with other event launching the 5 prizes to be launched in 2015)  *Suggestions: Peter Droell (acting director B innovation -- would also be a good chairman), or one of: XPRIZES, NESTA or INNOVATE (leading companies on inducement prizes)*  5) Crowdfunding and innovation projects (+examples)  *Suggestions: Kickstarts (from B1), or from IntesaSanPaolo*  6) Innovation vouchers as an efficient incentive for building academia-industry partnership  Suggestion: Jindrich Weis (JIC, Brno, Czech Republic) - [weiss@jic.cz](mailto:weiss@jic.cz)  Suggested during the HLSC meeting: EIB, EIF, Private Bank, Prof Hohl (intangibles)— |

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|  | **Speaker Name** | **Organisation** | **Affiliation (SME, industry, University, etc)** | **Male /Female** | **Country** | **Reason of the choice**  **who they are and why it has been proposed** | **Topic** | **Contact (email, phone, …)** |
| Chairman |  |  |  |  |  |  |  |  |
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| NEW MODELS OF GOVERNANCE - |

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| **TITLE** | RESEARCH INFRASTRUCTURES |
| **ABSTRACT** | Research infrastructures for academia and industry, including distributed organizations, are becoming more and more widespread. Their coordination, often still in its infancy, could lead to an effective and sustainable research ecosystem to increase attractivity, foster competences and frontier research, and finally offer optimized industrial user satisfaction. Practical examples of interactions and synergies between the research and industrial worlds will be discussed e.g. in the field of material sciences, life sciences, or even astronomy. |
| **POSSIBLE TOPICS** | 1) Industrial access to research infrastructures (including distributed infrastructures)  2) Validation of scientific concepts  3) Indirect development of products from disruptive innovation  4) Innovation platforms (Data, Demonstrators, etc.) |
| **STRUCTURE** | *(e.g. traditional talks, panel discussion with moderator, …)* |
| **MENTOR** | Hervè Però, Ezio Andreta |
| **SPEAKERS** | SUGGESTED CHAIRPERSON / SPEAKERS (maximum 4 + 4 possible substitutes)  [to be contacted later, only after HLSC validation]  Suggested during the HLSC meeting |

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|  | **Speaker Name** | **Organisation** | **Affiliation (SME, industry, University, etc)** | **Male /Female** | **Country** | **Reason of the choice**  **who they are and why it has been proposed** | **Topic** | **Contact (email, phone, …)** |
| Chairman | Wolfgang Sandner | ERF | Research Organisation | M | DE | Chair of the European Association of Research Facilities |  |  |
| 1 | Carlo Rizzuto | ELETTRA | Research Organisation | M | IT | World-level specialist of RIs | 1 |  |
| 2 | Michele Peron | ESO | Research Organisation | F | EC | From astronomy to products | 2, 3 |  |
| 3 | Gabriele Fioni | CEA | Research Organisation | M | FR | From Materials science to innovation | 2, 3, 4 |  |
| 4 | Janet Thornton | EMBL-EBI | Research Organisation | F | UK | From Life Sciences to innovation | 2, 3, 4 |  |
| 5 | John Wormesley | STFC | Research Organisation | M | UK | From science to innovation | 2, 3 |  |
| 6 | Gilles Bloch | CEA | Research Organisation | M | FR | From Life Sciences to innovation | 2, 3, 4 |  |
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| DRIVING DISRUPTIVE INNOVATION- |

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| **TITLE** | Simulation and new approaches for modelling industrial process |
| **ABSTRACT** | High performance computing and new simulation strategies are opening the way to predictive modeling of realistic materials and processes of industrial interest, and to high throughput screening of material functionalities which can accelerate discovery and innovation. In addition, virtual reality approaches offer opportunities in the context of man-machine interfaces and training.  The session will discuss successful examples as well as policy actions -infrastructures, codes, and people- that are needed to fully deploy this potential in Europe. |
| **POSSIBLE TOPICS** | 1) Modeling and Visualization for sustainable manufacture  2) Cooperation with USA  3) Integration of instruments  4) Digital modeling of complex phenomena  5) High Tech for visualization  6) Responsible of innovation with USA |
| **STRUCTURE** | *(e.g. traditional talks, panel discussion with moderator, face-to-face, …)* |
| **MENTOR** | Elisa Molinari, Carmen Costantinescu |
| **SPEAKERS** | SUGGESTED CHAIRPERSON / SPEAKERS (maximum 4 + 4 possible substitutes)  [to be contacted later, only after HLSC validation]  Suggested during the HLSC meeting: Marco Sacco |

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|  | **Speaker Name** | **Organisation** | **Affiliation (SME, industry, University, etc)** | **Male /Female** | **Country** | **Reason of the choice**  **who they are and why it has been proposed** | **Topic** | **Contact (email, phone, …)** |
| Chairman |  |  |  |  |  |  |  |  |
| 1 | Frederik Noel | Institute Politecnique de Grenoble | University | M | France | Expert and Coordinator of Visionair (Infrastructure project) | Advanced 3D visualisation |  |
| 2 | Jivka Ovtcharova | Karlsruher Institut für Technologie (KIT) | University | F | Germany | Expert and director of KIT  https://www.imi.kit.edu/english/21\_1780.php | Digital Factory, immersive technology /VISION |  |
| 3 | Philipp Gravez | Cea-list | Research center | M | France | Expert | Digital modeling of complex phenomena |  |
| 4 | Giorgio Cutica | Siemens Italia | Company | M | Italy | Expert | Digital factory/Interoperability/VISION |  |
| 5 |  | Dassault systems | Company | F | France | Expert |  |  |
| 6 | Petra Kersting | Technical university of Dortmund  (Institut für Spanende Fertigung) | University | F | Germany | Technische Universität Dortmund  Phone: 0231 755-2113  E-Mail: petra.kersting@isf.de | Digital modelling of complex phenomena |  |
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| DRIVING DISRUPTIVE INNOVATION |

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| **TITLE** | ADDITIVE MANUFACTURING |
| **ABSTRACT** | Focus on the disruptive potential of “Direct Digital manufacturing” of machine parts, tools, and end products in terms of materials development and sustainability, design opportunities, business models.  The session will address the end-to-end process including OEM managing, CAD drawing, and a technology-based platform managing the end-to-end integration process. |
| **POSSIBLE TOPICS** | 1) Additive Manufacturing 3D  2) Self assembling at al scales (4D)  3) Advances in printing technologies  4) Non-conventional industrial application (food) (rapid prototyping in health)  5) Design creativity  6) Manufacturing self-assembling |
| **STRUCTURE** | *(e.g. traditional talks, panel discussion with moderator, face-to-face, …)* |
| **MENTOR** | Elisa Molinari, Arun Junai |
| **SPEAKERS** | SUGGESTED CHAIRPERSON / SPEAKERS (maximum 4 + 4 possible substitutes)  [to be contacted later, only after HLSC validation]  Suggested during the HLSC meeting: Siemens or airbus, Spea company, Marcel Slot (company OCE) leading Diginova (CSA project) |

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|  | **Speaker Name** | **Organisation** | **Affiliation (SME, industry, University, etc)** | **Male /Female** | **Country** | **Reason of the choice**  **who they are and why it has been proposed** | **Topic** | **Contact (email, phone, …)** |
| Chairman |  |  |  |  |  |  |  |  |
| 1 | Gideon Levy | University of Saint-Gallen/ | University | M | Switzerland | Professor at St. Gallen University  http://www.inspire.ch/ConfiguratorJM/people/Levy\_Gideo\_124466093779462?lang=en&renderTitle=False | Addittive and rapid manufacturing - VISION and application |  |
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| --- | --- |
| **TITLE** | From science to market through FET, KET and more… |
| **ABSTRACT** | Bridging between frontier research on future emerging materials or technologies and strategic implementations enabling advanced manufacturing is a very delicate issue. A critical requirement is a close connection between both communities. Recent years have witnessed examples of fast and effective links, but also an increased risk of disconnecting the two communities, which could hamper disruptive research-based innovation. The session will showcase selected examples and discuss some critical aspects and actions within H2020.  How do we doit within H2020 and outside it at European level? |
| **POSSIBLE TOPICS** | 1)**The role** of FET projects **for radical innovation and new paradigms**  2)Discussion of perspectives for FET (incl. proactive) in H2020  3) Key issues in evaluating FET and KET proposals |
| **STRUCTURE** | *(e.g. traditional talks, panel discussion with moderator, …)* |
| **MENTOR** | Ezio Andreta, Elisa Molinari |
| **SPEAKERS** | SUGGESTED CHAIRPERSON / SPEAKERS (maximum 4 + 4 possible substitutes)  [to be contacted later, only after HLSC validation]  Suggested during the HLSC meeting: EC FET speaker |

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|  | **Speaker Name** | **Organisation** | **Affiliation (SME, industry, University, etc)** | **Male /Female** | **Country** | **Reason of the choice**  **who they are and why it has been proposed** | **Topic** | **Contact (email, phone, …)** |
| Chairman | Cingolani Roberto | IT Institute of Technology | University |  |  |  |  |  |
| 1 | ? | Sigma Tau | Industry |  | IT | From Life Sciences to market | 1 |  |
| 2 | ? / Jim Andrew | Siemens / Philips | Industry / research CEO |  | DE / NL | From materials research to market | 1 |  |
| 3 | Alexander von Gabain | EIT | Research & Innovation Org. | M | AT | Chair of EIT | 2 |  |
| 4 | Pierre Papon | ESPCI Paris Tech | Consultant | M | FR | Prospective / strategy | 3 |  |
| 5 | John Womersley | STFC | Research Organisation | M | UK | From science to market | 1 |  |
| 6 | Clara de la Torre | EC | Public authority | F | EC | EU policy | 1, 2, 3 |  |
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| **TITLE** | Advanced Materials at the cutting edge of innovation |
| **ABSTRACT** | Advanced materials play a key role in the evolution of technology: materials innovations have a strategic importance for economic growth and industrial competitiveness and can provide solutions to address the Grand Challenges of our times. |
| **POSSIBLE TOPICS** | 1) The emerging materials creativity, such as transparent and paper electronics, graphene, flexible applications etc.  2) The Materials Common House  3) Sustainable technologies for materials  4) Metamaterials |
| **STRUCTURE** | *(e.g. traditional talks, panel discussion with moderator, face-to-face, …)* |
| **MENTOR** | Luigi Ambrosio, Rodrigo Martins |
| **SPEAKERS** | SUGGESTED CHAIRPERSON / SPEAKERS (maximum 4 + 4 possible substitutes)  [to be contacted later, only after HLSC validation]  Suggested during the HLSC meeting: Geremy Brown, Elvira Fortunato, Luigi Nicolais (CNR President) |

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|  | **Speaker Name** | **Organisation** | **Affiliation (SME, industry, University, etc)** | **Male /Female** | **Country** | **Reason of the choice**  **who they are and why it has been proposed** | **Topic** | **Contact (email, phone, …)** |
| Chairman |  |  |  |  |  |  |  |  |
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| **POSSIBLE TOPICS** | 1) The emerging materials creativity, such as transparent and paper electronics, graphene, flexible applications etc.  2) The Materials Common House  3) Sustainable technologies for materials  4) Metamaterials |
| **STRUCTURE** | *(e.g. traditional talks, panel discussion with moderator, face-to-face, …)* |
| **MENTOR** | Luigi Ambrosio, Rodrigo Martins |
| **SPEAKERS** | SUGGESTED CHAIRPERSON / SPEAKERS (maximum 4 + 4 possible substitutes)  [to be contacted later, only after HLSC validation]  Suggested during the HLSC meeting: Geremy Brown, Elvira Fortunato, Luigi Nicolais (CNR President) |

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|  | **Speaker Name** | **Organisation** | **Affiliation (SME, industry, University, etc)** | **Male /Female** | **Country** | **Reason of the choice**  **who they are and why it has been proposed** | **Topic** | **Contact (email, phone, …)** |
| Chairman | Rodrigo Martins | FCT-UNL and E-MRS | University and research Institute (Uninova) | M | Portugal | Mentor | Advanced Materials | rm@uninova.pt |
| 1 | Marco Falzetti | Centro Sviluppo Materiali S.p.A. | **C**hairman of the Management Board of  Alliance for Materials - **A4M**  Chairman  of the Steering Committee **EuMaT** - The European Technology Platform on Advanced Engineering Materials and Technologies | M | Italy | Born concept of the common house | Alliance for Materials: the way for implementing the Materials Common House concept | *[m.falzetti@c-s-m.it](mailto:m.falzetti@c-s-m.it)* |
| 2 | Orlando Auciello |  |  | M | USA | Success story case of a transnational relevant study case involving research, data transfer to industry and application of results in Italy and other places outside USA | Materials for Life Science  (CV already supplied as well topic to all of you) | Auciello, Orlando" <oha120030@utdallas.edu> |
| 3 | Elvira Fortunato | I3N/CENIMAT | Institute | F | Portugal | Outstanding scientist in the field of advanced functional material. Was awarded with the first place and the first ERC grant in the field of Materials. Considered one of most creative researcher (see falling walls, http://falling-walls.com/) | Emerging Materials creativity | emf@fct.unl.pt |
| 4 | Luigi Ambrosi |  |  |  |  | The role of Advanced Materials and Nanotechnologies for the healt industry of the future |  | "[luigi.ambrosio@cnr.it](mailto:luigi.ambrosio@cnr.it" \t "_blank)" |
| 5 |  |  |  |  |  |  |  |  |
| 6 | Geremy Brown |  |  |  |  |  | Metamaterials |  |
| 7 | Luigi Nicolais |  |  |  |  | For the summary and final conclusions |  |  |
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| FUTURE OF INDUSTRY |

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| **TITLE** | Deproduction as a new industry for sustainable society and environment (relevance for health) |
| **ABSTRACT** | Products at the End-Of-Life constitutes a very complex burden which is responsible for serious environmental impacts. Furthermore, the way these products are managed does not allow to benefit from the economic opportunities related to the residual value of components and materials that are disposed.  The reason is that available technologies and business models do not make sustainable the industrial treatment of these products. The role of de-production is becoming more and more important asking for a systemic approach where new laws, and new industrial practices need to be put in place. Moreover they have a role in supporting the employment in Europe since they represent a unique occasion to recall many workers to manufacturing activities increasing the value on the GDP.  Materials for a sustainable energy system in Europe: industry will largely benefit from new opportunities providing an advantage w.r.t. international competition. The aim is to advance knowledge in the fields of new materials for renewable energy, storage, grids and power plant applications. |
| **POSSIBLE TOPICS** | 1 Advanced technologies for Material recovery and treatment  2) Process optimization for Scrap reduction  3) Technologies for disassembling (Hlsc it)  4) Design for de-production, by taking into consideration in early phases of product design the recycling and upgrading aspects. |
| **STRUCTURE** | *(e.g. traditional talks, panel discussion with moderator, face-to-face, …)* |
| **MENTOR** | Tullio Tolio(Chris de Kuber), Carmen Costantinescu |
| **SPEAKERS** | SUGGESTED CHAIRPERSON / SPEAKERS (maximum 4 + 4 possible substitutes)  [to be contacted later, only after HLSC validation]  Suggested during the HLSC meeting: KopaceK, Chris Decubber |

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|  | **Speaker Name** | **Organisation** | **Affiliation (SME, industry, University, etc)** | **Male /Female** | **Country** | **Reason of the choice**  **who they are and why it has been proposed** | **Topic** | **Contact (email, phone, …)** |
| Chairman |  |  |  |  |  |  |  |  |
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| **TITLE** | End-of-life as a new industry for a sustainable society |
| **ABSTRACT** | Products at the End-Of-Life constitutes a very complex burden which is responsible for serious environmental impacts. Furthermore, the way these products are managed does not allow to benefit from the economic opportunities related to the residual value of components and materials that are disposed.  The reason is that available technologies and business models do not make sustainable the industrial treatment of these products. The role of de-production is becoming more and more important asking for a systemic approach where new laws, and new industrial practices need to be put in place. Moreover they have a role in supporting the employment in Europe since they represent a unique occasion to recall many workers to manufacturing activities increasing the value on the GDP.  Materials for a sustainable energy system in Europe: industry will largely benefit from new opportunities providing an advantage w.r.t. international competition. The aim is to advance knowledge in the fields of new materials for renewable energy, storage, grids and power plant applications. |
| **POSSIBLE TOPICS** | 1 Advanced technologies for Material recovery and treatment  2) Process optimization for Scrap reduction  3) Technologies for disassembling  4) Design for de-production, by taking into consideration in early phases of product design the recycling and upgrading aspects. |
| **STRUCTURE** | *(e.g. traditional talks, panel discussion with moderator, face-to-face, …)* |
| **MENTOR** | Tullio Tolio(Chris de Kuber), Carmen Costantinescu |
| **SPEAKERS** | SUGGESTED CHAIRPERSON / SPEAKERS (maximum 4 + 4 possible substitutes)  [to be contacted later, only after HLSC validation]  Suggested during the HLSC meeting: KopaceK, Chris Decubber |

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|  | **Speaker Name** | **Organisation** | **Affiliation (SME, industry, University, etc)** | **Male /Female** | **Country** | **Reason of the choice**  **who they are and why it has been proposed** | **Topic** | **Contact (email, phone, …)** |
| Chairman | Gunther Seliger | TUB | University | M | Germany | Top expert in global manufacturing sustainability | Vision on the importance of end-of-life |  |
| 1 | Peter Kopacek | TU Wien | University | M | Austria | Recognized authority for de-manufacturing technologies  http://www.tuwien.ac.at/fileadmin/t/tuwien/fotos/pa/3.pdf | New tecnologies  for end-of-life |  |
| 2 |  | UMICORE | Company | F | Belgium | Leading EU company in recycling sector |  |  |
| 3 | James M.Natan | Sims Metal Management Aerospace | Company | M | USA | President | Technologies for Titanium recovery |  |
| 4 | Farouk Tedjar |  | Company | M | France | successful entrepreneur recycling batteries  http://www.epo.org/learning-events/european-inventor/finalists/2012/tedjar.html |  |  |
|  |  | Waste treatment center |  |  |  |  | Process and technology challenges for waste treatment |  |
| 5 | Angela Serpe | 3RMetals /University of Cagliari | Company /University | F | Italy | Innovative company in rare earths recycling | Relevance of rare earths and recycling opportunities |  |
| 6 | Prof. Noordin Mohd | University /government |  |  | Malaysia | Consultant of the Malaysian government on recycling WEEE products |  |  |
| 7 |  | APRA | Association |  | Europe | Association of automotive remanufacturing | Automotive remanufacturing: Challenges and opportunities |  |
| 9 | Olivier Gaudeau | Indra Automobile recycling | Company | M[[1]](#footnote-1) | France | leading company and forerunner in the vehicle recycling sector. More than 500,000 vehicles receovered in 2010 | The role of EOL in automotive industry  The role of EOL for increasing employment in Europe |  |

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| FUTURE OF INDUSTRY |

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| **TITLE** | New industrial networks based on cross-cutting technologies |
| **ABSTRACT** | Made in Europe products need to be based on synergic integration of distributed knowledge and competences among different companies along the value chain. This session aims to discuss innovative models to network European companies.  In particular it will be highlighted the importance to focus on being excellent in specific fields and at the same time to drive the complex network to deliver high value and sustainable products. |
| **POSSIBLE TOPICS** | 1) Reshoring to Europe: best practices of companies bringing production back to Europe  2) The role of technological districts to ease SMEs networking (cluster)  3) Risk sharing in networks  4) Models of collaborative and mobile production  5) Big data Management for networking companies |
| **STRUCTURE** | *(e.g. traditional talks, panel discussion with moderator, face-to-face, …)* |
| **MENTOR** | Carmen Costantinescu |
| **SPEAKERS** | SUGGESTED CHAIRPERSON / SPEAKERS (maximum 4 + 4 possible substitutes)  [to be contacted later, only after HLSC validation]  Suggested during the HLSC meeting: Prof Rudolf Zich (president of Torino wireless), Schneider, Zeljko Pasin (orgalme)/EFFR Ket sherpa group |

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|  | **Speaker Name** | **Organisation** | **Affiliation (SME, industry, University, etc)** | **Male /Female** | **Country** | **Reason of the choice**  **who they are and why it has been proposed** | **Topic** | **Contact (email, phone, …)** |
| Chairman |  |  |  |  |  |  |  |  |
| 1 | Lisa Ellram | IVEy University | University | F | USA | http://www.fsb.miamioh.edu/directory/ellramlm  Other similar names can be:  Robert Klassen (USA)  Outstanding scientific name on Supply Chain Management.  <http://www.ivey.uwo.ca/faculty/directory/robert-klassen/>  Manus Rungtusanatham (USA) (very talented speaker)  reshoring strategies  <http://fisher.osu.edu/departments/management-sciences/faculty/johnny-rungtusanatham/>  to have an European speaker can be Rob Dekker (UK)  <http://www.uws.ac.uk/staff-profiles/business/rob-dekkers/>  with a speech on “Moving Theory for Collaborative Manufacturing Networks” | Vision from innovative models of industrial networks.  the importance of core competences in network management and supply chain management |  |
|  | Hamideh Afsarmanesh | University of Amsterdam |  |  |  | http://staff.science.uva.nl/~hamideh/#position | Federated Collaborative networks or  Big data in networked economy” |  |
| 2 |  | Zaragoza Logistic Center | Research Organization | M/F | Spain | <http://www.zlc.edu.es/> | Technology innovation for logistic networks in competitive Europe |  |
| 3 | Heinrich Flegel/Bessey | Daimler | Company | M | Germany |  | Efficient and sustainable supply chain |  |
| 4 | Nevio Di Giusto | CRF | Company | M | Italy | CEO at CRF-Fiat  http://www.economia.uniroma2.it/YICGG/area.asp?a=13&oc=45&d=301 | OEM versus supply chain  Sustainable Supply chain |  |
| 5 | Massimo Vian | Luxottica | Company | M [[2]](#footnote-2) | Italy | COO in Luxottica.  Large company in the production of glasses,  Integrated supply chain,responsible supply chain  See at  <http://www.luxottica.com/en/company/our-way/our-way-doing-business> | Fully integrated supply chain for the application of innovative technologies |  |
| 7 | Wilhelm Bauer | Fraunhofer IAO and IAT | University/research | M | Germany | Director (acting), Fraunhofer IAO and IAT University of Stuttgart  Appointment to honorary professorship by Gottfried Wilhelm Leibniz University Hannover, Institute of Production Systems and Logistics  Executive director of Fraunhofer Italia Research s.c.a.r.l. | Possible topics:  > Networking industry and research  >Collaborative models in Cross-cutting innovation  Alternatively he can be shifted to other sessions like “industrial networks” with a speech on  >Cyber physical system, industry4.0  > OEM integration with suppliers and customers  > collaborative and mobile networks |  |
| 8 | Zeljko Pasin | Orgalime | Association | M |  | http://www.orgalime.org/page/our-team | How to manage SMEs network for global competition |  |
| 9 | Popescu Sorin | Technical University of Cluj-Napoca | University | M | Romania | Prof. dr. ing., vice-president of the Technical University of Cluj-Napoca Senate, Former General Director for Higher Education in the Romanian Ministry for Education and Research (2007-2011).  Responsible for innovation research Network Danube | The creation of networks for innovation in the Danube countries.  His speech can be shifted to “New models of governance” |  |

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| **TITLE** | FACTORIES FOR HUMANS (relevance for energy) |
| **ABSTRACT** | Innovative factories have to be strongly oriented towards the involvement of people at different levels (e.g. users, operators, stakeholders). As a result, people and machines will have to cooperate in a synergic way, sharing activities safely and efficiently. This session will discuss new technologies to be designed and developed taking into consideration new interaction ways with people  Moreover this session will discuss how different people characteristics (age, fragilities, gender,...) should be comprised to give everyone the possibility to work in a productive and satisfactory way.  This calls for a deep effort both on the technological and organizational side. Important implications affect also education and training. |
| **POSSIBLE TOPICS** | 1)Human-robot interaction  2)Safety issues in factories  3)Ageing workers and the enhancement of their competences in the factory  4)Advanced technologies for training on the job (the role of virtual reality) |
| **STRUCTURE** | *(e.g. traditional talks, panel discussion with moderator, face-to-face, …)* |
| **MENTOR** | Tullio Tolio, Carmen Costantinescu |
| **SPEAKERS** | SUGGESTED CHAIRPERSON / SPEAKERS (maximum 4 + 4 possible substitutes)  [to be contacted later, only after HLSC validation]  Suggested during the HLSC meeting: Chrisotf Hamish (festo), Daniele Vacchi (ceo Ima), Franco de regibus (comau), a Social Expert from Trade Unions |

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| Chairman |  |  |  |  |  |  |  |  |
| 1 | Massimo Ippolito | Comau | Company | M | Italy | Director of R&D department | Devices for human-robot cooperation |  |
| 2 | Mirabelle D'cruz | University of Nottingham | University | F | UK | Director of European Research, Faculty of Engineering | Human factors and ergonomy |  |
| 3 | Pia Areblad | TILLT | SME | F | Sweden | pia@tillt.se  http://www.tillt.se/in-english/ | artists working with industry on projects to increase well-being of the workers and productivity |  |
| 4 |  | BMW | Company |  | Germany |  | Factory for aging workers: real case (Dingolfing) |  |
| 5 | Esben Oestergaard | Universal robots | Company | M | Denmark | CTO of Universal robots | Safe robots |  |
| 6 | Rainer Bishoff | Kuka | Company | M | Germany | Expert | Human-robot interactions |  |
| 7 | Van de Venn Hans Wernher | IMS  Institute of Mechatronic Systems | Research center | M | Switzerland | Director of IMS | Esochelectron for dissembling cars |  |
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| **TITLE** | New paradigms for high performance sustainable production |
| **ABSTRACT** | The target to be pursued by manufacturing companies is a substantial improvement of performance as a way to differentiate from low cost countries with high product quality, high flexibility of usage, reduction of waste from inefficient processes, but also energy consumption reduction by optimization of the overall energy system.  The session will present different approaches to high performance production with main objective to explain how to increase performance at process and system level in terms of time consumption of processes, and overall quality and flexibility of the systems as well as in terms of working conditions and autonomy. |
| **POSSIBLE TOPICS** | 1)Advanced manufacturing system  2)Energy consciousness in industry  3) Cost effective /Zero defect production  4)Advanced Maintenance policies  5)Advanced services for customers  6) Photonics |
| **STRUCTURE** | *(e.g. traditional talks, panel discussion with moderator, face-to-face, …)* |
| **MENTOR** | Maurizio Gattiglio |
| **SPEAKERS** | SUGGESTED CHAIRPERSON / SPEAKERS (maximum 4 + 4 possible substitutes)  [to be contacted later, only after HLSC validation]  Suggested during the HLSC meeting: German speaker, Spire, Philips |

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| Chairman |  |  |  |  |  |  |  |  |
| 1 | Tullio Tolio | CNR | Research center | M | Italy | Chair Cluster Intelligent Factory | The Italian cluster for intelligent manufacturing |  |
| 2 | Juan Antoni Arrieta | Ideko | Research center | M | Spain | International R&D Projects Director  http://www.ideko.es/ | European cluster of projects on zero-defect manufacturing |  |
| 3 | Dariusz Ceglarek | University of Warwick | University | M | UK | Professor and EPSRC Research Chair, Director of Digital Lifecycle Management  International Manufacturing Centre  [D.J.Ceglarek@warwick.ac.uk](mailto:D.J.Ceglarek@warwick.ac.uk)  http://www2.warwick.ac.uk/fac/sci/wmg/research/manufacturing | New models for high performance sustainable manufacturing - VISION |  |
| 4 | Ghisela Lanza | KIT | University | F | Germany | Head of the Production Systems Department of the Institute of Production Science at KIT.  http://www.wbk.kit.edu/english/21\_90.php | Quality in production - VISION and applications |  |
| 5 | Francesco Ziprani | Marposs | Company | M | Italy | Head of research center of Marposs  http://www.eramiat.eu/System/files/Curricula/FRANCESCO%20ZIPRANI%20ITA.pdf | New sensors and inspection devices in manufacturing |  |
| 6 | Eberhard Bessey | Daimler | Company | M | Germany |  | Advanced Maintenance policies |  |
| 7 | Jurgen Fleisher | KIT/Mag | University/Industry | M | Germany | Expert  http://www.wbk.kit.edu/english/21\_211.php | New machine architectures - VISION - case study |  |
| 8 | Frank Knafla | Phoenix contact | Company | M | Germany | Master Specialist Energy Efficiency  http://www.phoenixcontact.com/  worldwide manufacturer (headquarters in Germany) of components, systems and solutions in the area of electrical engineering, electronics and automation |  |  |
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| **TITLE** | WS - URBAN MANUFACTURING (relevance for environment SSH) |
| **ABSTRACT** | The breakthrough innovation of Urban Manufacturing is based on the new model according which industry need to go back closer to consumers and citizens. This session will discuss how sustainable production could take place even within the city, by allowing the "urbanization" of manufacturing of sustainable products offering a better service to the customer. Flexibility issue is important also in terms of allowing work flexibility to gain reactivity. |
| **POSSIBLE TOPICS** | 1) City compatible factories  2)Reduction of Noise and pollution for a factory to be a good neighbor  3) Consumer driven factories (the role of the consumer in the definition of the products)  4) New working policies for conciliation of work and life time |
| **STRUCTURE** | *(e.g. traditional talks, panel discussion with moderator, face-to-face, …)* |
| **MENTOR** | Carmen Costantinescu, Tullio Tolio |
| **SPEAKERS** | SUGGESTED CHAIRPERSON / SPEAKERS (maximum 4 + 4 possible substitutes)  [to be contacted later, only after HLSC validation]  Suggested during the HLSC meeting: BMW (in Munich centre), Wittgenstein company in Stuttgart |

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| Chairman |  |  |  |  |  |  |  |  |
| 1 | Reijo Tuokko | University of Tampere | University | M | Finland | Tampere University of Technology  Department of Production Engineering | Microfactory - project |  |
| 2 | Karl-Heinz Paula | BMW | Company | M | Germany | BMW Group München | Urban production: BMW case study factory in the center of munich, With particular focus on Envrironment emission problem |  |
| 3 | Westkamper | IPA | Research center | M | Germany |  | Vision on urban manifacturing |  |
| 4 |  | DHL | Company |  | Multinational |  | Urban logistics |  |
| 5 | Christian Clausen | Volkwagen | Company |  | Germany | Sales Director Volkswagen,  Automobilmanufaktur Dresden GmbH  Director of transparent factory –Dresden | Factories for humans: a success case |  |
| 6 | To be identified |  |  |  |  |  | Factory in hospital |  |
| 7 | Dieter Spath | WITTENSTEIN | Company | M | Germany | CEO  http://www.management-kolloquium.de/referenten/2014/prof-dr-ing-dr-ing-e-h-dr-h-c-dieter-spath-976 |  |  |
| 8 | Jack Harris | Harris Innovation Group | Company | M | Iowa (USA) | Founder/President at Harris Innovation Group | Model based manufacturing … a bit related to urban manufacturing |  |
| 9 | Choi | Korea |  |  |  | Chief of ims korea | the challenge of urban production in seoul (production underground) |  |
| 10 |  | Crespi d'adda - Unesco |  |  | Italy | example of the 19th century 'company towns' built in Europe to meet the workers' needs. | Historical case -http://whc.unesco.org/en/list/730 |  |
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1. Can be substituted with a female colleague [↑](#footnote-ref-1)
2. It might be a female colleague [↑](#footnote-ref-2)