

PROJECT FINAL REPORT

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Executive Summary

Industrial Technologies 2012 took place from 19-21 June 2012 in Aarhus, Denmark and offered an integrated coverage of nanoscience and nanotechnology, advanced materials, and new production processes (NMP).

The event programme highlighted the knowledge intensive products and processes driving European growth to 2020, which identifying solution to improve the framework conditions for innovation in Europe. Several sessions looked at those products and processes where Europe can build or maintain global leadership in the next decade; these included mass producing low emission vehicles, energy-efficient building in the construction industry, the NMP Call 2013 and 16 sessions discussing the hot-topics of cross-cutting Key Enabling Technologies bringing together researchers and industry to address both technical and non-technological challenges and opportunities for European growth.

The High Level Group on Key Enabling Technologies and the consultation on the Common Strategic Framework for Horizon 2020 have contributed a comprehensive understanding of the challenging framework conditions for European innovation. Industrial Technologies 2012 has moved the discussion forward to specific, actionable solutions to address these challenges and ensure that European industry can achieve its full potential for innovation.

The Industrial Technologies 2012 Conference has been jointly organised by the Interdisciplinary Nanoscience Center at Aarhus University (iNANO), the Center for Industrial Production at Aalborg University (CIP), and Spinverse.

The event was Europe's leading Industrial Technologies event, hosted under the auspices of the Danish Presidency of the European Council and is supported by The European Commission Directorate for Research and Innovation and its Industrial Technologies Programme.

The overall event theme was European growth and competitiveness by 2020 through

- Commercializing technology possibilities that match industrial needs
- Smart solutions for improving the European innovation environment

777 high-level delegates from 37 countries had the opportunity to meet high profile speakers from industry, government and research, discuss visions for European industry and research by 2020 and understand how to implement solutions and to succeed in the face of global competition. A main focus was put on the synergies arising from the combination of cutting-edge nanotechnology (N), advanced materials (M) and innovative production technologies (P).

Industrial Technologies 2012 concluded with industry committing to public-private innovation as the route to sustained economic growth. Representatives of industries employing over 19 million Europeans underlined the critical importance of industrial innovation as a route to European economic recovery, and stated their willingness to contribute and engage with governments and the research community to ensure that this is achieved.

This was expressed in a declaration (*The Industrial Technologies Declaration*) signed by the chairs of Public Private Partnerships covering manufacturing, automotive, construction and the process industries.

Summary description (max 4 pages)

Conference

Industrial Technologies 2012 was decided to take place in Aarhus due to the Presidency of the European Council being in Denmark during this period.

The content of the event has been guided by a steering group which represents many of the groups most involved with industrial technologies research and development. These include representatives from industry, research, and the European Technology Platforms and Public Private Partnerships.

The Venue

The Aarhus Concert Hall was identified as suitable venue. This bright and airy venue provided comfortable conference rooms for plenaries, sessions, workshops and private meeting as well as for other side events. There was plenty of space to move around the conference and exhibition, and has been an inspiring setting for the event.

Selecting the PCO

Spinverse launched a tender for PCOs (Professional Congress Organizer), in order to evaluate different possibilities and identify what is the best value for such a high-profile event. For the PCO contract, two offers were requested and compared on the basis of price (50%) and quality (50%).

The Conference Programme

Industrial Technologies 2012 featured 5 plenary and 18 parallel sessions and 16 workshops. The themes of the sessions stemmed from the discussions with the Steering Committee of the Event, European Commission representatives, Event Beneficiaries, and the individual experts identified in each theme. The speakers for each session were chosen in the same process. The plenaries and parallel sessions dealt with themes revolving around nanotechnologies, new materials and new production technologies. Sessions usually had the form of individual talks followed by questions & answers from the audience (see programme enclosed).

Plenary 1, Visions for 2020

The opening plenary was a look ahead to the development of industrial innovation policy towards 2020, with representation from the member states and the European Commission. For Europe to be able to take part in an increasingly competitive global market, all actors in the EU, private as well as public, need to join forces. Discussions ranged over grand challenges in Europe and how to solve these through interdisciplinary research and key enabling technologies; the need for more investment in innovation and research, mobility and attraction of knowledge and common agendas and partnerships between private and public actors; the importance of fostering creativity and entrepreneurship in education as well as in industry; and the challenges and opportunities in long-term investment and the balancing of basic and applied research.

Plenary 2, European Industry in 2020

In the second plenary a panel of industrial leaders established their own visions for the development of European industry to 2020, setting out what they see as the key challenges, and how these can be overcome with action from all stakeholders; industry, research and government. The presentations highlighted the industry as job creators and the importance of manufacturing and production in Europe grounded in strong roots of innovation. The competitiveness of Europe should be established through collaborations along the value chain and public private partnerships and innovation should be driven by such broad collaborations taking into account customers, users, suppliers and R & D organizations. Furthermore the importance of education, skills and entrepreneurship was highlighted.

Plenary 3, Innovation in Industrial Technologies

The storyline of the Wednesday plenary revolved around how the funding and focus of R&D in Europe can be best aligned to match the changes in the environment and the global economic development. Speakers represented different industries to have as wide spectrum of different angles as possible.

Plenary 4, International Cooperation

International competition does not need to be regarded as a zero-sum game. This session brought together policymakers and experts from other world regions to identify areas of mutually beneficial cooperation.

Speakers were:

- 1) Sciences, Technology and Innovation in China: From Fundamental Research to Industrialization, Chunli Bai, Chinese Academy of Sciences
- 2) Collaboration—The Answer to Sustainable Manufacturing, Robert Kiggans, SCRA
- 3) Commercialization of nanotechnologies in Russia promoted by RUSNANO, Sergey Kalyuzhnyi, RUSNANO
- 4) Will the Success Story of Korea be continued? - New challenges and the needs for global cooperation, Sang-il Park, Park Systems Corp.

Plenary 5, Industrial Technologies Declaration

Horizon 2020 is a key instrument of the “Innovation Union”, a Europe 2020 flagship initiative aimed at enhancing Europe’s global competitiveness. The speakers of this session highlighted the key topics which need to be focused on regarding the Horizon 2020. The priorities included excellent knowledge, industrial leadership, societal challenges, restoration of the cooperative attitude of European companies and the conversion of research results into economic success by means of efficient collaboration between research providers and industry stimulated by government support. As modern manufacturing generates high added value and thus wealth, the prosperity in manufacturing was claimed to be crucial to sustainability of Europe. It has also been stressed that in order to deal with the challenges faced, EU will require certain efforts from many different partners in the European societies which all together can make EU more competitive and sustainable.

Exhibition

As a separate part, Spinverse organized a 3-day exhibition in line with the Industrial Technologies 2012 event theme targeting EU projects, RTOs, TTOs, industry, SMEs, Spin-offs and associations. Exhibitors were identified from contacting over 5000 contacts.

The process of marketing the exhibition was:

- Data-mining a list of all potential projects, companies, associations etc., and contact details
- Sending e-mail to project coordinators/sales managers/ CTOs etc. marketing the exhibition
- Following-up the contacts and negotiating the deals with the exhibitors
- The PCO KongresKompagniet handled the contracts and invoicing of the exhibitors
- Expanding the abovementioned marketing activities to other EU project categories relevant to Industrial technologies (energy, environment, SME)

Exhibitors had the opportunity to demonstrate their products or technical capabilities and raise visibility not only to leading research institutes, key industrial actors and high-tech SMEs, but also to a selected media audience.

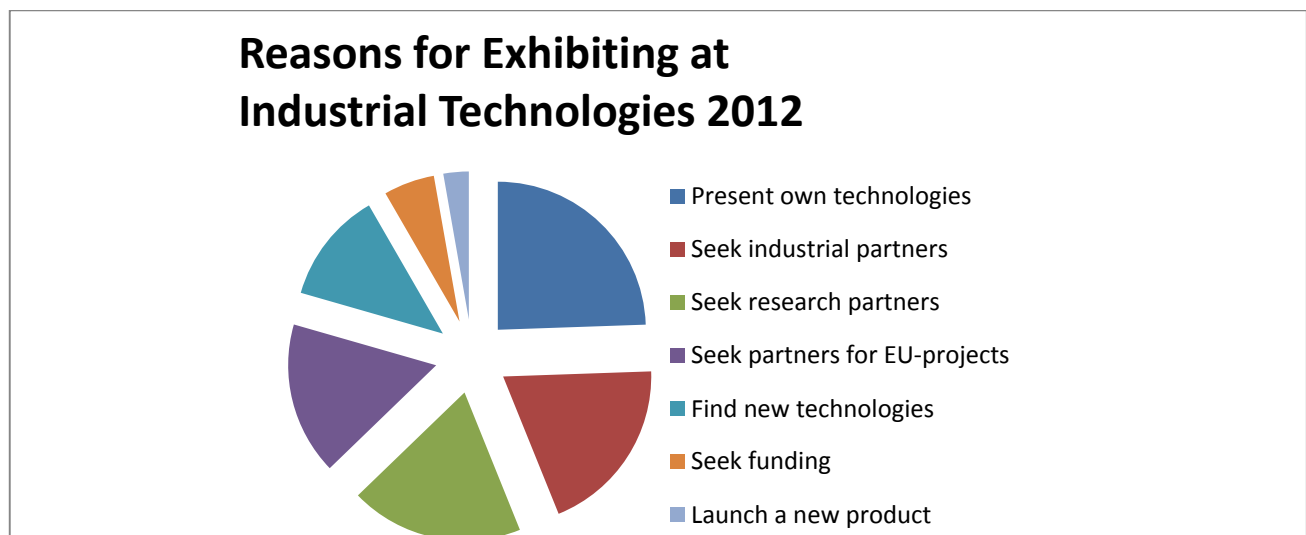
Exhibition results

The venue space posed a challenge to the allocation of the stands, as there was no option to keep all of them on one floor. For future events, it is recommendable to keep all exhibition stands on one floor and thus, consider this fact in the evaluation of suitable venues. Nevertheless, the technological area was sold out and the industrial one had only few stands left.

In total, 61 stands were sold. On an area of 440m², 95 organizations and co-exhibitors showcased their projects, technologies and research results. A highlight was the ManTra truck, a travelling exhibition from the University of Sheffield AMRC with Boeing, which was parked in front of the venue and also available to the public. MANTRA is a customised 14m HGV trailer, designed to give aspiring young engineers a hands-on experience with real cutting-edge technologies.

The feedback during the event and after was that the coordination and organization of the exhibition was very smooth for the exhibitors. On the other hand, attendees found the exhibition to be an important part of the conference and perceived it as interesting and good opportunity to network.

The figure below shows the reasons participating at the Industrial Technologies 2012 exhibition. Presenting own technologies received 44 answers. On rank two with 35 votes is the seeking for industrial partners, followed by seeking research partner with 34 votes. Partners for EU projects were an important factor for participation for 30 exhibitors. 22 exhibitors were expecting to find new technologies, 10 seek for funding and 5 exhibitors planned on launching a new product at the event.



Poster Session

Industrial Technologies 2012 has had a 2-day poster session, giving visibility to innovative research in the field of Industrial Technologies. Over 120 posters have been submitted with contributions in line with the main themes of the event, including nanotechnology, advanced materials and production research (see annex for list of all posters).

Matchmaking

Enterprise Europe Network helped organise a matchmaking event based on 1:1 meetings with potential business partners in Industrial Technologies 2012. The event was open for all participants in the congress. The networking event targeted a wide spectrum of companies, universities and researchers from Europe interested in sharing new project ideas and finding collaboration partners. Main topics covered were nanotechnology, new materials and new production technologies. The main incentives for people to take part in the event were to find funding for products or research, to find industrial or academic partners or to facilitate the setup of EU project consortia.

Best Project and Award Gala Finalist Videos

Over 900 NMP projects have been launched under Framework Programmes 5, 6 and 7. Industrial Technologies 2012 sought to identify and celebrate the very best of these. The Best Project Award was given to the project which, in the eyes of the gala attendees, had demonstrated the greatest economic and societal impact, boosting European competitiveness by creating new products and processes.

The Best Project Award was given during the Award Gala on Wednesday 20th June. The 10 finalists were selected by the steering group of the event, all of whom were given the chance to present a brief outline of their project and its achievements in a video and on stage during the gala evening. The winner was then chosen by a vote from amongst the gala attendees.

Award Gala

For the conference, a gala evening was planned on Wednesday, 20th of June 2012 that took place in the Scandinavian Congress Center right next to the conference venue. The main focus during the evening was on the Best Project Award 2012. The EU-funded project finalists presented their video and introduce their project to the audience with the goal of highlighting the importance of European research and its impact on Europe's growth and competitiveness.

Dissemination Activities

The Industrial Technologies 2012 website received 41 453 visitors since its launch on 03.10.2011 with 152.376 page views from 131 countries. Only between 01st of April and 22nd of June 2012, the website had 22.542 visits with 82.050 page views and 629 pages in total linking in to www.industrialtechnologies2012.eu.

The twitter account IndustryTech_12 had over 290 followers. A Facebook page was opened as well however did not experience significant traffic due to the fact that this event is more B2B-focused rather than B2C. A major focus was put on newsletter marketing through own and qualified partner channels.

Industrial Technologies Declaration

One of the biggest dissemination activities in terms of significance for Europe was the signing of the Industrial Technologies Declaration. Discussions took place between the different stakeholders with the outcome of the Public-Private Partnerships joining forces with the public sector to significantly contribute to European recovery and to address the challenges facing European society.

This commitment was signed by the representatives of the PPPs EFFRA, E2B, European Green Cars Initiative and SPIRE; and endorsed by E-MRS, FEMS and EUMAT. This document was handed to Mr. von Bose on Wednesday 21st of June during the Industrial Technologies 2012 conference (copy enclosed).

The figure shows the overall programme structure

EC Responsible PO:			Programme Committee Responsible/Contributor:			Legend	
Unit	Initials		Initials				
G1	PD	Pascale Dupont (Unit Contact, Communication)					Plenary (Open)
	RB	Roman Boutier					Session (Open)
G2							Workshop (Open)
	MS	Marthijs Smeets (Unit Contact)					Meeting (Private)
	FG	Fredric Goudens					Other Event
	CB	Claudia Boldrin					Organization
	BR	Garry Robertson					

Overview Plenaries

Industrial Technologies 2012: Speaker Candidates					
Name	Position	Organisation	Status	Session N°	Session
1st DAY OPENING - Visions for 2020:					
Rudolf Strohmeier	Deputy Director General	Directorate-General for Research &	Chair	P1	Opening Plenary: Visions for 2020
Rudolf Strohmeier	Deputy Director General	Directorate-General for Research &	Confirmed	P1	Opening Plenary: Visions for 2020
Morten Østergaard	Minister for science, innovation and higher education	Ministry of Science, Technology and	Confirmed	P1	Opening Plenary: Visions for 2020
Lauritz B. Holm-Nielsen	Rector	Aarhus University	Confirmed	P1	Opening Plenary: Visions for 2020
Ulrich Buller	Senior Vice President Research Planning	Fraunhofer	Confirmed	P1	Opening Plenary: Visions for 2020
1st DAY OPENING 2 - European Industry in 2020:					
Pekka Koponen	CEO	Spinverse	Chair	P2	Opening Plenary: European Industry in 2020
Ric Parker	Head of Research and Technology	Rolls-Royce	Confirmed	P2	Opening Plenary: European Industry in 2020
Giuseppe Bilardello	SVP R&D	Kone	Confirmed	P2	Opening Plenary: European Industry in 2020
Jukka Kilpeläinen	SVP R&D	Stora Enso	Confirmed	P2	Opening Plenary: European Industry in 2020
Pierre Joris	Chief Scientific & Innovation Officer	Solvay	Confirmed	P2	Opening Plenary: European Industry in 2020
Per Falholt	EVP R&D, a member of the Research Policy Council	Novozymes	Confirmed	P2	Opening Plenary: European Industry in 2020
Plenary 3: Innovation in Industrial Technologies					
Herbert von Bose	Head of Unit, NMP	European Commission	Chair	P3	Innovation in Industrial Technologies
Marc Van Sande	Executive Vice-President Energy Materials	Umicore	Confirmed	P3	Innovation in Industrial Technologies
Anne de Guibert	Research Director	Saft Batteries	Confirmed	P3	Innovation in Industrial Technologies
Thomas Grandke	VP Materials, Hardware Design and Manufacturing Techno	Siemens	Confirmed	P3	Innovation in Industrial Technologies
Wilfried Vancraen	CEO	Materialise	Confirmed	P3	Innovation in Industrial Technologies
Plenary 4: International Cooperation					
John Johanssen	Director	CIP, Aalborg University	Chair	P4	International Cooperation
Chunli Bai	President	Chinese Academy of Sciences (CAS)	Confirmed	P4	International Cooperation
Sang-il Park	CEO	Park Corporation	Confirmed	P4	International Cooperation
Robert Kiggans	Vice Chairman ATI Board of Directors	SCRA	Confirmed	P4	International Cooperation
Sergey Kalyuzhnyi	Director of the Scientific and Technological Expertise Dep	Russian Corporation of Nanotechno	Confirmed	P4	International Cooperation
Plenary 5: Industrial Technologies 'Declaration'					
Flemming Besenbacher	Chairman of the Supervisory Board	Carlsberg	Chair	P5	Industrial Technologies 'Declaration'
Klaus Sommer	Chairman of SUSCHEM	Bayer Technology Services	Confirmed	P5	Industrial Technologies 'Declaration'
Massimo Mattucci	Chairman of the European Factories of the Future Research	COMAU	Confirmed	P5	Industrial Technologies 'Declaration'
Heinrich Flegel	Director Advanced Materials and Manufacturing Engineer	Daimler AG / also Chairman, Manuf	Confirmed	P5	Industrial Technologies 'Declaration'
		European Commission	Confirmed	P5	Industrial Technologies 'Declaration'
Hans Müller Pedersen	Director General	Ministry of Science, Innovation and	Confirmed	P5	Industrial Technologies 'Declaration'
Liam Brown	NMP Delegate	Enterprise Ireland	Confirmed	P5	Industrial Technologies 'Declaration'
Ignacio Calvo	President	E2B	Confirmed		

Overview Sessions pt.1

Lightweight, Low Emission Transportation						
Wolfgang Steiger	Director of Future Technologies / Chairman of European	Volkswagen	Chair	1	Low Emission Transportation Industry	DE
Wolfgang Steiger	Director of Future Technologies / Chairman of European	Volkswagen	Confirmed	1	Low Emission Transportation Industry	DE
Oliver Hoffmann	Head of Sales/Engineering Technology	ThyssenKrupp Steel Europe	Confirmed	1	Low Emission Transportation Industry	DE
Jean Claude Steinmetz	President for Automotive Business & Sustainable Development	Rhodia / Solvay	Confirmed	1	Low Emission Transportation Industry	LU
Athanasios Konstandopoulos	Founder and Director of the Aerosol & Particle Technology	CPERI/CERTH	Confirmed	1	Low Emission Transportation Industry	GR
Resource-Efficient Process Industries						
Ignacio Calleja	Director of International Development, Industrial Unit	Tecnalia	Chair	2	Resource-Efficient Technology Industries	
Peter Nagler	Head of Innovation Management Chemicals & Creavis	Evonik Degussa GmbH.	Confirmed	2	Resource-Efficient Technology Industries	DE
Ignacio Calleja	Director of International Development, Industrial Unit	Tecnalia	Confirmed	2	Resource-Efficient Technology Industries	ES
Jean-Marc Kohlgruber	President	CMI	Confirmed	2	Resource-Efficient Technology Industries	BE
Volker Hoenig		ECRA	Confirmed	2	Resource-Efficient Technology Industries	
Jean Pierre Birat	ArcelorMittal	ESTEP	Confirmed	2	Resource-Efficient Technology Industries	
Fostering European Competence and Competitiveness through Key Enabling Technologies						
Patrick Bressler	Head of Brussels Office	Fraunhofer	Chair	3	Fostering European Competence and Competitiveness	DE
Massimo Mattucci	Chairman of the European Factories of the Future Research	COMAU	Confirmed	3	Fostering European Competence and Competitiveness	IT
Marco Falzetti	Chairman of EuMaT and the Alliance 4 Materials	A4M	Confirmed	3	Fostering European Competence and Competitiveness	IT
Michel Catinat	Head of Unit, ICT for Competitiveness and Industrial Innovation	DG Enterprise	Confirmed	3	Fostering European Competence and Competitiveness	EC
Gabriel Crean	Scientific Director, Division of Technical Research	CEA	Confirmed	3	Fostering European Competence and Competitiveness	FR
Gernot Klotz	Research and Innovation Executive Director	Suschem/Cefic	Confirmed	3	Fostering European Competence and Competitiveness	DE
Industry of Energy-Positive Buildings and Districts						
Stefano Carosio	R&D European Affairs Manager	CSTB	Chair	4	Industry of Energy-Positive Buildings and Districts	ES
Javier Grávalos	Head of Sustainability & Eco-Efficiency research area	Acciona	Confirmed	4	Industry of Energy-Positive Buildings and Districts	ES
Stefano Carosio	Division Manager	D'Appolonia	Confirmed	4	Industry of Energy-Positive Buildings and Districts	IT
Hervé Charrue	Deputy CEO, Director R&D	Centre Scientifique et Technique de l'Industrie	Confirmed	4	Industry of Energy-Positive Buildings and Districts	FR
Bruno Smets	Director Public Private Innovation Partnerships	Philips Lighting	Confirmed	4	Industry of Energy-Positive Buildings and Districts	DE
Agile Manufacturing Industries - From mechatronics to collaborative supply chains						
Massimo Mattucci	Chairman of the European Factories of the Future Research	COMAU	Chair	5	AGILE Adaptive Manufacturing Industries	IT
Svend Erik Sørensen	Director, VP	Danish Crown	Confirmed	5	AGILE Adaptive Manufacturing Industries	DK
Uwe Kubach	Vice-President	SAP Research	Confirmed	5	AGILE Adaptive Manufacturing Industries	DE
Marko Taisch	Professor, Operations and Supply Chain Management	Politecnico di Milano	Confirmed	5	AGILE Adaptive Manufacturing Industries	IT
Martin Haegele	Head of the Department of Robot Systems	Fraunhofer IPA	Confirmed	5	AGILE Adaptive Manufacturing Industries	DE
Crossing the Valley of Death						
Laura Kauhanen	Consultant	Spinverse	Chair	6	Crossing the Valley of Death	FI
Iñaki San Sebastian	Deputy Managing Director	Tecnalia	Confirmed	6	Crossing the Valley of Death	ES
Anders Flodström	Professor	EIT	Confirmed	6	Crossing the Valley of Death	SE
Ulla Brockenhuus-Schack	Managing Director	DTU Symbion Innovation, DTU Investment	Confirmed	6	Crossing the Valley of Death	DK
Jacques Darcy	Head of Technology Transfer	European Investment Fund	Confirmed	6	Crossing the Valley of Death	FR

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Industry of Renewable Energy Generation, Storage and Distribution						
Henrik Bindslev	Vice Dean of Research	Aarhus University	Chair	7+ 10	Industry of Renewable Energy Generation	DK
Bertrand Fillon	PV Cluster	CEA	Confirmed	7+ 10	Industry of Renewable Energy Generation	FR
Henrik Stiesdal	CTO	Siemens Wind Power	Confirmed	7+ 10	Industry of Renewable Energy Generation	DK
Léopold Demiddeleer	New Business Development Director	Solvay	Confirmed	7+ 10	Industry of Energy Storage and Distribution	BE
Renzo Tomellini	RTD Industrial Technologies, Head of the Materials unit	EC	Confirmed	7+ 10	Industry of Energy Storage and Distribution	IT
Santiago Arias	CTO	Torresol Energy O&M	Confirmed	7+ 10	Industry of Energy Storage and Distribution	ES
Industry of Design-Based Products: Creating Value through Customization						
Lutz Walter	Head of R&D, Innovation and Projects Department	Euratex	Chair	8	Industry of Design-Based Products: Creating Value through Customization	DE
Sue-Jenkin Jones	Professor	London College of Fashion	Confirmed	8	Industry of Design-Based Products: Creating Value through Customization	UK
Juan-Carlos Dursteler	R&D Manager	INDO	Confirmed	8	Industry of Design-Based Products: Creating Value through Customization	UK
Enrique Montiel Parreno	Director / Treasurer	INESCO Technology Transfer / Inter	Confirmed	8	Industry of Design-Based Products: Creating Value through Customization	UK
João Mena de Matos	European Design House	Amsterdam Declaration on creative	Confirmed	8	Industry of Design-Based Products: Creating Value through Customization	UK
Raw material (mining, substitution, re-cycling)						
Magnus Ericsson	Senior Partner, Acting CEO	Raw Materials Group	Chair	9	Raw material (mining, substitution, re-cycling)	SE
Derk Bol	Programme Director	Materials Innovation Institute (M2I)	Confirmed	9	Raw material (mining, substitution, re-cycling)	NL
Par Weihed		Lulea University	Confirmed	9	Raw material (mining, substitution, re-cycling)	SE
Corina Hebestreit	President, Chair	EUROMINES, ETP SMR	Confirmed	9	Raw material (mining, substitution, re-cycling)	
Michael Röper	Innovation Management	BASF	Confirmed	9	Raw material (mining, substitution, re-cycling)	DE
Maurits Van Camp	Recycling and Extraction Technology Platform	Umicore	Confirmed	9	Raw material (mining, substitution, re-cycling)	
Manufacturing the Products of the Future						
Zeljko Pazin	Managing Director	EFFRA	Chair	11	Manufacturing the Products of the Future	BE
Egbert Jan Sol	CTO	TNO	Confirmed	11	Manufacturing the Products of the Future	NL
Sue Dunkerton	Associate Director	TWI	Confirmed	11	Manufacturing the Products of the Future	UK
Luigi Galdabini	Managing Director	Cesare Galdabini Spa.	Confirmed	11	Manufacturing the Products of the Future	IT
Hubert Lakner	Director	Fraunhofer IPMS	Confirmed	11	Manufacturing the Products of the Future	DE
Modelling						
Kersti Hermansson	Professor	Uppsala University	Chair	12	Modelling	SE
Yves Samson		CEA	Confirmed	12	Modelling	FR
Wolfgang Wenzel		KIT	Confirmed	12	Modelling	DE
Kersti Hermansson	Professor	Uppsala University	Confirmed	12	Modelling	SE
Jerome Cornil		UMONS	Confirmed	12	Modelling	BE

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continued: **Overview Sessions pt. 3**

Quality of Life: Improving Availability of Water						
Gerard Heinicke		DHI	Chair	13	Quality of Life: Improving Availability of Water	DK
Gerard Heinicke			Confirmed	13	Quality of Life: Improving Availability of Water	DK
Inge Genné	Programme Manager	VITO	Confirmed	13	Quality of Life: Improving Availability of Water	BE
Prof. Kiparissides		DG Environment	Confirmed	13	Quality of Life: Improving Availability of Water	GR
Gilbert Rios	CEO	European Membrane House	Confirmed	13	Quality of Life: Improving Availability of Water	
Ludwin Daal		KEMA	Confirmed	13	Quality of Life: Improving Availability of Water	
Durk Krol		WSSTP	Confirmed			
Reducing Time to Market: From Prototype to Production						
Pirjo Pasanen	Consultant	Spinverse	Chair	14	Reducing Time to Market: From Prototype to Production	FI
Mario Fleurinck	CEO	Melotte	Confirmed	14	Reducing Time to Market: From Prototype to Production	BE
Miriam Luizink		MESA+	Confirmed	14	Reducing Time to Market: From Prototype to Production	NL
Oliver Jay	Head of Section, Rapid Prototyping	Technological Institute	Confirmed	14	Reducing Time to Market: From Prototype to Production	DK
Emanuele Carpanzano	Director	Synesis	Confirmed		Reducing Time to Market: From Prototype to Production	IT
Quality in Industry						
Peter Thstrup		iNano	Chair	15	Quality in Industry	DK
Andy Henson	Director of Department of International Liaison and Com	BIPM, Pavillon de Breteuil – F-92312	Confirmed	15	Quality in Industry	
Terry Wilkins	Professor, Chair of the European Commissions NMP Expe	Yorkshire Forward Professor of Nan	Confirmed	15	Quality in Industry	UK
Ludger Koenders		Physikalisch-Technische Bundesans	Confirmed	15	Quality in Industry	DE
Martin Segolene		CEN CENELEC	Confirmed			
Lucy Buckby	Project Officer	EMRP	Confirmed	15	Quality in Industry	
Industry of Advanced Healthcare / Medicine and Pharmaceuticals						
Bertrand Loubaton	ETPN Chair	GE Healthcare	Chair	16	Industry of Advanced Healthcare / Medicine and Pharmaceutical	
Bertrand Loubaton	ETPN Chair	GE Healthcare	Confirmed	16	Industry of Advanced Healthcare / Medicine and Ph	FR
Simon Hoerstrup	Professor	University of Zurich	Confirmed	16	Industry of Advanced Healthcare / Medicine and Ph	CH
Ken Howard	Associate Professor of Strategic Operations Development	iNano	Confirmed	16	Industry of Advanced Healthcare / Medicine and Ph	DK
Richard Bergström	Director General	EFPIA	Confirmed	16	Industry of Advanced Healthcare / Medicine and Ph	SE
Industrial Symbiosis						
Martin K. Andersen	Head of Kalundborg EU-Office	Kalundborg Industrial Symbiosis	Chair	17	Industry for a Better Environment	DK
Martin K. Andersen	Head of Kalundborg EU-Office	Kalundborg Industrial Symbiosis	Confirmed	17	Industry for a Better Environment	DK
Peter Laybourn	Director of NISP programme	International Synergies (IS)	Confirmed	17	Industry for a Better Environment	UK
Gabriele Centi	President	European Research Institute for Cat	Confirmed	17	Industry for a Better Environment	IT
Joseba Pérez Bilbatua	International R&D Coordinator	IDEKO S. Coop.	Confirmed	17	Industry for a Better Environment	ES
Competence building for Industrial Competitiveness						
Dmitrij Slepnirov	Assistant Professor	CIP, Aalborg University	Chair	18	Competence building for Ind. Competitiveness	LI
George Chryssolouris	Professor	University of Patras	Confirmed	18	Competence building for Ind. Competitiveness	GR
Kjeld Stærk	SVP	Danfoss	Confirmed	18	Competence building for Ind. Competitiveness	DK
Arie Gelderblom	Researcher	SEOR	Confirmed	18	Competence building for Ind. Competitiveness	NL
Sue Fleet	CEO	Britest Ltd	Confirmed	18	Competence building for Ind. Competitiveness	UK
Michael Matlosz	Professor	University of Lorraine	Confirmed	18	Competence building for Ind. Competitiveness	FR

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NMP 2013 Call Presentation					
		European Commission	Chair	19 NMP Call	
Renzo Tomellini	Head of Unit	European Commission	Confirmed	19 NMP Call	
Christos Tokamanis	Head of Unit	European Commission	Confirmed	19 NMP Call	
Jose-Lorenzo Valles	Head of Unit	European Commission	Confirmed	19 NMP Call	

List of all posters:

First name	Last name	Title	Organization	Country	link	Research Area	Project Name	Start	End
Katya	Simeonova	PhD, Civ. Eng., Eng.-mathem	Institute of Mechanics, Bul	Bulgaria	www.bas.bg	Materials Processing, Modeling and Characterisation	Computational Modeling of	1 July 2012	1 July 2013
Katya	Simeonova	PhD, Civ. Eng., Eng.-mathem	Institute of Mechanics, Bul	Bulgaria	www.bas.bg	Advanced Healthcare and Diagnostics	Nanomaterials and Nanote	01-05-2012	01-05-2013
Ana	Almansa	Company owner	Xedera e.U.	Austria	www.xedera.eu	Materials Processing, Modeling and Characterisation	3D-LightTrans	01-04-2011	31-03-2015
Susanne	Altendorfer	Senior Scientist	Chair Industrial Logistics, F	Austria		Agile Manufacturing	Deep Virtualization	2008	2011
Ibon	Odriozola	Head of Nanotechnologies	CIDETEC	Spain	http://www.cidetec.es/	Materials for Emerging Applications and Industries			
Kurt	Stokbro	CEO	Quantumwise A/S	Denmark	www.quantumwise.com	Materials Processing, Modeling and Characterisation	ATOMMODEL	01-06-2012	31-05-2015
Stefano	Carosio	Division Manager	D'Appolonia S.p.A.	Italy	www.h2susbuild.ntua.gr	Materials and Technologies for Energy Generation and Storage, Other area: Energy Efficient Buildings	H2SusBuild	01-10-2008	30-09-2012
Kai	Dirscherl	Staff scientist	Danish Fundamental Metro	Denmark		Materials for Emerging Applications and Industries	SPMRSEARCH	01-01-2010	ongoing
Ane Miren	Iraustabarrena	Project manager	TECNALIA	Spain	www.tecnalia.com	Improving Resource Efficiency in Industry	EDEFU	01-06-2010	31-05-2014
José Luis	Viviente	Project Manager	TECNALIA	Spain	www.tecnalia.com	Improving Resource Efficiency in Industry, Other area: Advances in chemical technology and materials processing	DEMCCAMER	01-07-2011	30-06-2015
Gorak	Andrzej	Head of the Laboratory	TU Dortmund University	Germany	http://www.fvt.bci.tu-dortm	Materials for Emerging Applications and Industries	AIMs	01-02-2004	01-09-2008
Manlio	Boito	Project Manager	Freelance, AGIRE	Italy	www.giantgiem.it	Materials and Technologies for Energy Generation and Storage, Other area: Ecean Energy	GIANT	03-02-2011	12-12-2012
Andreas	Witschnigg	Researcher/ University Assi	Montanuniversitaet Leoben	Austria	www.kunststofftechnik.at	Materials Processing, Modeling and Characterisation	In-line NIR-spectroscopy	01-08-2011	31-12-2011
Mikel	Sorli	Product Manager	Fundación Tecnalia Resear	Spain	www.tecnalia.com	New design and architecture / creative industries, Other area: New Industrial Models for Product and Process Life Cycle Technical content	Lean Product and Process C	01-02-2009	31-01-2013
Ugis	Cabulis	senior researcher	Latvian State Institute of W	Latvia	www.kki.lv	Materials Processing, Modeling and Characterisation	FORBIOPLAST	01-07-2008	30-06-2012
Isabel	Van Driessche	Professor	Ghent University	Belgium	http://www.we06.ugent.be/	Materials for Emerging Applications and Industries	EFFECTS	01-10-2008	30-09-2011
Jon	Agirre Ibarbia	Head of Strategic Research	Tecnalia Research & Innovat	Spain		Improving Quality, High Performance and Safety in Industry	ManuVAR	01-05-2009	30-04-2012
Jorge	Sánchez Dolado	Researcher	TECNALIA	Spain		Materials Processing, Modeling and Characterisation	Computationally driven Des	01-09-2008	31-08-2011
Alexander	Krowinsky	Group manager Microjoini	Fraunhofer Institute for Las	Germany	www.ilt.fraunhofer.de	Agile Manufacturing, Other area: Innovative Manufacturing Technologies	POLYBRIGHT - Extending the	01-10-2009	30-09-2013
Volodymyr	Kruglyak	Advanced Research Fellow	University of Exeter	United Kingdom	http://www.magnonics.org	Materials for Emerging Applications and Industries	MAGNONICS	15-09-2009	14-09-2012
Athanasios	Konstantopoulos	Director of Aerosol and Part	Aerosol and Particle Techni	Greece	http://apt.cperi.certh.gr/	Low Emission Transportation	DEXA Cluster	January 1, 2000	April 31, 2005
Maria	Moragues Cánovas	R&D Project Manager	Tecnalia Research & Innovat	Spain	http://www.tecnalia.com/	Energy Efficient Buildings, Other area: Nanotechnology - based High Performance Insulation Systems for Energy Efficiency	AEROCOINs	16-06-2011	16-06-2015
Iris	Vural Gursel	PhD Candidate	Eindhoven University of Tec	The Netherlands		New design and architecture / creative industries	3rd Process Design Intensif	15-08-2011	15-08-2015
Pilar	Vidal	Project Coordinator	CTAG	Spain	www.ecoplastproject.eu	Materials for Emerging Applications and Industries, Other: Biomaterials	ECOpLast - Research in new	1st June 2010	31st May 2014
Matthias	Katschnig	PhD	Polymer Processing, Monta	Austria	www.kunststofftechnik.at	Advanced Healthcare and Diagnostics	Development of Structured	March 2010	March 2013
Quan	Zhou	Adjunct Professor	Aalto University	Finland	http://aautys.tkk.fi/en/Micr	Integrating Electronics and New Materials	FAB2ASM	01-05-2010	30-04-2013
Alberto	Colella	CEO	Matres scri	Italy	www.matres.org	Materials for Emerging Applications and Industries	STEPUP in polymer based R	01-01-2009	31-12-2012
Paolo	Matteazzi	President	MBN nanomaterialia spa	Italy	www.mbn.it	Energy Efficient Buildings	Development of a novel anc	01-06-2010	31-05-2013
Alvise	Blanchin	Researcher	Matres scri	Italy	www.matres.org	Agile Manufacturing	Nano/micro integration in i	01-01-2010	31-12-2013
Alberto	Colella	CEO	Matres scri	Italy	www.matres.org	Agile Manufacturing	Supersonic deposition of n	01-12-2009	30-11-2013
Yves	Bellouard	Associate Professor	Eindhoven University of Tec	The Netherlands	http://www.femtoprint.eu	Materials Processing, Modeling and Characterisation, New manufacturing principles	FEMTOPRINT	01-05-2010	01-05-2013
Patrick	Löb	Head Mixing and Fine Chem	Institut für Mikrotechnik M	Germany	www.imm-mainz.de; www.c	Improving Quality, High Performance and Safety in Industry, new production and factory concepts for a competitive and sustainable chemical industry	CoPIRIDE	01-09-2009	28-02-2013
Nicola	Gramigna	Business Unit Manager	Enginsoft S.p.A.	Italy		Materials Processing, Modeling and Characterisation			
Mikhail	Zheludkevich	Researcher	University of Aveiro	Portugal	-	Materials for Emerging Applications and Industries	MUST	01-06-2008	31-05-2012
Angel T.	Martínez	Research Professor	CIB, CSIC	Spain	http://www.cib.csic.es/figu	Quality of Life; Environmental Technologies, Nutrition	BIORENEW	01-10-2006	30-09-2010
SOLEDAD	PACHECO	JOURNALIST	RED ELECTRICA DE ESPAÑA	Spain	www.twenties-project.eu	Support Actions Improving Environment for Innovation, integration of Renewables energies in the electrical system	TWENTIES PROJECT	01-04-2010	01-04-3013
Kappel	Wilhelm	General Manager	INCIDIE IPE-CA	Romania	www.ipe-ca.ro	Support Actions Improving Environment for Innovation	Strengthening of the RDI po	01-05-2005	30-04-2008
Christian	Wäger	International Networks	PROFACTOR GmbH	AUSTRIA	www.locobot.eu	Agile Manufacturing	LOCOBOT	01-08-2010	31-07-2013
Claudio	Defrío	Research Fellow	Universit� Suor Orsola Ben	Italy		Support Actions Improving Environment for Innovation	GRACE	01-10-2010	30-09-2012
Ramon	Torreillas	Research Professor	Nanomaterials and Nanote	Spain	www.cinn.es	Materials Processing, Modeling and Characterisation	Structural Ceramic Nanoco	01-05-2005	30-04-2009
James	Woodburn	Prof. of Rehabilitation	Glasgow Caledonian Unive	Scotland	www.afootprint.eu	Advanced Healthcare and Diagnostics	AFOOTPRINT	01-10-2009	30-09-2013
Yi	Qin	Director of Knowledge Exch	University of Strathclyde	UK	http://www.strath.ac.uk/dn	Materials Processing, Modeling and Characterisation, Micro/Nano-Manufacturing	MASMICRO	July 2004	01-09-2008
Aurelio	Tamez	Profesor	Universidad Autonoma del	Mexico		Materials and Technologies for Energy Generation and Storage	Evacuated Tubes for solar c	02-02-2010	02-02-2013
Gilbert M.	RIOS	CEO	European Membrane Hous	France	www.euromemhouse.com	New design and architecture / creative industries	CHEMWATER	May 2011	October 2013
Anais	Normand	Marketing Department	NANOIMMUNOTECH	Spain	http://nanoinmunotech.es	Advanced Healthcare and Diagnostics	NANOIMMUNOTECH offers its expertise to all innovative industrial applications		
Anais	Normand	Marketing Department	NANOIMMUNOTECH	Spain	http://nanoinmunotech.es	Advanced Healthcare and Diagnostics	NANOIMMUNOTECH offers its expertise to all innovative industrial applications		
Johanna	Lahti	Associate professor	Tampere University of Tech	Finland		Materials Processing, Modeling and Characterisation	PlasmaNice	01-10-2008	30-09-2012
Anpan	Han	Technology Manager - Nana	(NANO and Dept. of Physics	denmark		Materials for Emerging Applications and Industries	Ice lithography		
Renata	Koerfer	Project management	DECHEMA e.V.	Germany		New design and architecture / creative industries	E4Water	expected date May 2012	expexted date April 2016
Jan	Gaebler	European Research Officer	Fraunhofer Institute for Sur	Germany	www.ist.fraunhofer.de	Integrating Electronics and New Materials	ORAMA	01-10-2010	30-09-2014
Anna	Hambalkova	Chief of Project Management	Welding Research Institute	Slovakia	www.vuz.sk	Materials and Technologies for Energy Generation and Storage	NEXTGENPOWER	01-05-2010	30-04-2014
Tanja	Meyer	Senior scientist	Fraunhofer IPA	Germany	http://www.ipa.fraunhofer	Support Actions Improving Environment for Innovation	EUMINafab	01-03-2009	28-03-2013
Matthias	Schreiter	Research engineer	Siemens AG	Germany	http://www.siemens.com/c	Advanced Healthcare and Diagnostics, MEMs based sensor technologies	Biognosis	01-08-2005	30-04-2009
Michael	L�scher	Project Manager	European Virtual Institute	Germany	http://www.integrisk.eu-vr	Support Actions Improving Environment for Innovation, Management solutions for management of New Technology related Emerging Risks	iNTep-Risk - Early Recogniti	December 1, 2008	May 31, 2013
Juan F.	Sanguesa Ferrer	Project Manager	IBEC - Universitat de Barcel	Spain	http://bondproject.org	Advanced Healthcare and Diagnostics	Bioelectronic Olfactory Net	01-10-2009	30-09-2012
SILVIA	CASTELLI	PORJECT MANAGER	ATOS	SPAIN	www.atos.net	New design and architecture / creative industries	ASTUTE	01-03-2011	31/03/2014
James	Njuguna	Lecturer	Cranfield University	United Kingdom	http://www.bioelectricsurface.eu	Materials for Emerging Applications and Industries	Electrically Modified Biom	01-10-2008	30-09-2011
Christian	S�nchez	Chief Technology Officer	NANOIMMUNOTECH	Spain	http://www.cranfield.ac.uk	Materials for Emerging Applications and Industries	Ecoshell	10-01-2011	31/09/2013
			BioNanoNet Research Association			Materials Processing, Modeling and Characterisation	NIT-zipper* technology		
CEUS	Jean-Pierre	Full professor	KU Leuven	Belgium	www.mtm.kuleuven.be	Materials for Emerging Applications and Industries	NANOCOAT SME	01-12-2010	30-11-2012

The Industrial Technologies Declaration reads as follows:



We, the undersigned, represent globally competitive industrial sectors employing over 19 million people in Europe. Our members are committed to join forces with the public sector to significantly contribute to European recovery and to address the challenges facing European society. This is a matter of great urgency. The European economy is stagnant. Unemployment in the EU-27 countries stands at over 10% as of April 2012. Significant and sustainable improvements in economic growth and employment are required.

The EU 2020 strategy demonstrates that this requirement is well understood, and an emphasis on mobilising EU policies to support growth and strengthen job creation is welcome. In order to succeed in the light of intensified global competition a significant effort on not only research, but innovation is needed.

Significant public support for industrial innovation has enabled manufacturing in the US to add 160 000 jobs since 2009, and to maintain this growth significant funding for industrial innovation has been committed via their recovery package. China's Innovation 2020 plan will see it invest heavily in research and development in High End Manufacturing and Advanced Materials, whilst continuing to spend heavily on infrastructure.

The Opportunity

To address this challenge, we must have companies and industries which are able to thrive in global markets, thereby increasing employment in Europe. Europe cannot compete by compromising on labour costs and less strict environmental protection; nor can it change the restricted nature of its budgets, especially in these challenging times.

Our belief is that innovative products and processes provide the only sustainable way for our manufacturing industries to thrive in global competition and to continue to create jobs in Europe.

This is an area in which Europe has great potential. We know that Europe benefits from having an exceptionally strong technology base. The European industrial ecosystem has integrated value chains which include a healthy mix of globally leading companies and an extensive network of SMEs, assuring the necessary set of competencies to compete for leadership and excellence.

The Industrial Technologies conference has demonstrated what is meant by industrial innovation:

- Transforming factories through intelligent automation and integrating factories into smart business networks
- Developing new technologies to accelerate the implementation of energy efficient solutions in our building stock, enabling new business models and value propositions for citizens
- Building competitive process industries with exceptional resource efficiency, with value chain coverage to address the sustainable manufacturing requirements in Europe
- Ensuring our mobility system becomes more sustainable

Realising this vision requires action and commitment from all partners, public and private.



Public Private Partnerships for Research and Innovation

A better oriented partnership between Industry and Research

We will work closely with the research community, to develop innovations which can be applied in new products and services, and we commit to an open dialogue and responsible partnerships with research centres and universities, to communicate our needs and to be open to new technological opportunities. The most successful outcomes will often occur as a result of collaboration, across research and industry, but also across disciplines: Europe can build from clustering the key value chain players and create a global competitive advantage from this, through such a collaborative approach.

European industry will continue to maintain the high quality of its research base, and therefore the emphasis on excellence is welcomed. This also requires a strategic partnership from the research community to take research closer to market introduction by working on applied research and prototypes.

Public support and investment

Governments at European and national level play a critical role in funding research and innovation in areas where the level of the challenges and market uncertainties make it difficult or impossible for companies or consortia to undertake such projects alone. This requires funding programmes to be structured in a way which enables companies to participate, with faster decision making and by reducing the administrative burden.

We also strongly believe that, to make innovation happen in Europe, public engagement must go further, to design favourable, consistent and

coordinated framework policies and fund activities that, whilst closer to market, are still risky and knowledge-intensive, such as piloting and demonstrations.

The overall role of public as incubator specifically where breakthroughs on societal challenges are required must be incorporated in this overall endeavour and therefore policy engagement is required in addition to funding initiatives.

Industrial commitment

Industry's role is to participate as a partner in this collaborative research and innovation and to ensure that successful joint demonstrations are followed by commercial investment in Europe into new products and processes, which will also trigger job creation.

With this requirement well recognised, our industries are ready to enter into joint programmes and investments to develop, implement and deploy innovative solutions that will secure the sustainability and competitiveness of European industry along with the highly skilled jobs that it provides.

Investing our finances, resources, knowledge and skills will represent our strong and determined commitment to this undertaking, and we foresee that our own investment in Europe will provide an important leverage to that of the public sector and have an impact on growth, competitiveness and jobs.

Supported on 21st June 2012 in Aarhus, Denmark, by:

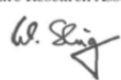



Massimo Mattucci
Chairman, European Factories of the
Future Research Association




Ignacio Calvo
Vice-President, Energy Efficient Buildings Association




Wolfgang Steiger
Chairman, European Green Cars
Initiative



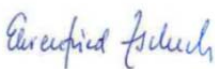

Klaus Sommer
Chairman of the Board, Suschem, representing the Sustainable
Process Industry through Resource and Energy Efficiency (SPIRE)
consortium

Endorsement: We, the undersigned, representing the materials research societies, and the broader community of academic and industrial researchers and innovators, support the commitments expressed in this document. We are willing to share in this effort in order to achieve the goal of a stronger, more competitive and sustainable industrial economy in Europe.




Rodrigo Martins
President, European
Materials Research Society




Ehrenfried Zschech
President of the Federation of
European Materials Societies
(FEMS)




Marco Falzetti
Chairman of the Steering
Committee of EuMaT

Endorsement: NANO futures, the European Technology Integrating and Innovation Platform representing industries and research communities that require nanotechnologies in their industrial sector and products declare their support.




Paolo Matteazzi
Chair of NANO futures

Website and contact details

Project website address: www.industrialtechnologies2012.eu

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