



# World Manufacturing Forum 2014

MILANO  
1-2 July 2014

“The way forward to prosperity through  
Global Manufacturing Collaboration”

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**SPEAKERS, COMMITTEES & CHAIRMEN**

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# World Manufacturing Forum 2014

Speakers, Chairmen & Committees



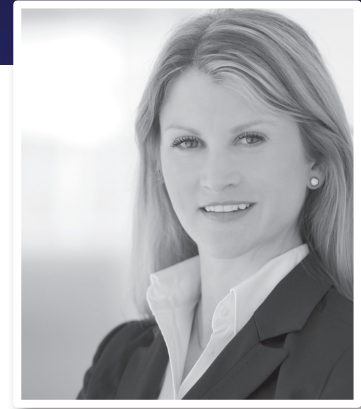
Milano, Palazzo Mezzanotte, 1-2 July 2014



World Manufacturing Forum 2014

## Galina Antova

Global Head Industrial Security Services,  
Siemens Industry  
United States



Galina Antova is the Global Head of Industrial Security Services at Siemens. In this role she leads the organization responsible for development of portfolio of services for the protection of manufacturing sites against cyber attacks. She is also responsible for leading the cyber security practice and the Cyber Security Operations Center providing manage security services for operators of Industrial Control Systems.

Galina has been with Siemens since 2012. Prior to that, she was with IBM in Canada in various roles in the Provisioning and Cloud Solutions business.

Galina holds a Bachelor of Science Degree in Computer Science from York University in Toronto, Canada and a MBA from IMD in Lausanne, Switzerland.



## Dean Bartles

Executive Director,  
Digital Manufacturing and Design Innovation (DMDI)  
United States

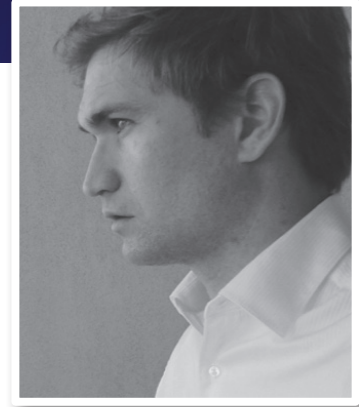
Dr. Bartles is currently the Executive Director of the Digital Manufacturing and Design Innovation (DMDI) Institute that addresses the life cycle of digital data interchanged among myriad design, engineering, manufacturing and maintenance systems, and flowing across a networked supply chain. He is also the Vice President of the International Board of Directors for SME. Prior to DMDI, he was Vice President of Advanced Programs and Strategic Growth General Dynamics serving in both a domestic and international program capacity.

Dr. Bartles graduated from Shepherd College with a Bachelor of Science in Business Administration. He holds a master's degree in International Business from Tampa College, an MBA from Shippensburg University, an MIB from Tampa College, and a Doctorate in Business Administration from Nova Southeastern University.



## Jordan Brandt

Technology Futurist,  
Autodesk  
United States



Jordan Brandt is a Technology Futurist at Autodesk, with an educational and professional background spanning the architecture, aerospace, cloud computing, and composites manufacturing industries.

Jordan came to Autodesk through the acquisition of Horizontal Systems where he was co-founder and CEO, and oversaw the creation of Glue (now BIM 360 Glue), a 3D cloud-collaboration platform. Jordan received degrees in Architecture and Italian from the University of Kansas in 2001. His doctoral dissertation at Harvard University developed the concept of distributed manufacturing systems (mobile factories) for composites.

He has consulted extensively for the United States Air Force Research Laboratory and Office of Naval Research to develop next-generation additive manufacturing technologies and materials, as well as for the General Services Administration on their laser-scanning program.

When he isn't speaking about the future of manufacturing, he can be found on his 848 Evo or in the shop making stuff.



## Philippe Charlès

CEO DELMIA,  
Dassault Systèmes,  
France

Philippe Charlès was named CEO of Delmia at Dassault Systèmes on June 1, 2000. Philippe Charlès had spent 17 years at the Schneider Group, a worldwide leader in electrical distribution, industrial control, and automation prior to joining the Delmia brand. At the Schneider Group, he defined the overall strategic plan for the marketing and development of the company's worldwide motor control business portfolio and managed the plan's implementation in various countries.

Since joining Dassault Systèmes Philippe Charlès has successfully grown the Delmia brand from its initial expertise in 3D simulation and process planning to making Delmia mission critical for customers running Global Production Systems in real-time at their peak performance objectives. Philippe Charlès engineered the alignment of Delmia's strategy with that of Dassault Systèmes, making Digital Manufacturing and Production a core component of the 3DEXPERIENCE business platform.

Philippe Charlès holds Electrical Engineering degrees in Automation and a doctorate of Electrical Engineering, specializing in Automation and Signal Control from The National Polytechnic Institute of Grenoble.





## Dianne Chong

V.P. Materials, Manufacturing, Structures & Support,  
Boeing Engineering, Operations & Technology  
The Boeing Company  
United States



Dr. Dianne Chong is the Vice President of Materials, Manufacturing, Structures & Support in the Boeing Engineering, Operations & Technology organization. In this position she leads the organization responsible for development and support of manufacturing processes and program integration for the Boeing Enterprise. Prior to this she was the Director of Materials & Process Technology for Boeing Commercial Airplanes.

Dr. Chong was also the Director of Strategic Operations and Business for IDS Engineering. In this capacity, she was the lead director defining and implementing a solid strategy for all Boeing Engineering. She has also been the Department Head / team leader of MSE, liaison, and process control groups in Phantom Works and Integrated Defense Systems. Dr. Chong received Bachelors degrees in biology and psychology from the University of Illinois. She also earned Masters degrees in physiology and metallurgical engineering. In 1986, Dr. Chong received her Ph.D. in Metallurgical Engineering from the University of Illinois. She also completed an Executive Master of Manufacturing Management at Washington University. Dr. Chong has served as the St. Louis representative to Military Handbook 5 where she has chaired the Aerospace Users' Group and the titanium casting group. Dr. Chong is a member of TMS, AIAA, ASM International, SME, SWE, Beta Gamma Sigma, and Tau Beta Pi.

She has been recognized for managerial achievements and as a diversity change agent. She was also recognized as an outstanding alumna of University of Illinois in 2006. Dr. Chong has been a member of the National Materials Advisory Board. She has served on the Board of Trustees and is a Fellow of the ASM International. In 2007-08, she served as the President of ASM International. Dr. Chong is currently serving on the NAS Board on Global Science and Technology and is a commissioner to the ABET EAC. In 2010, she received the AAEOY award for corporate management. She is also a Fellow of SME.

Speakers, Committees & Chairmen



## Clara de la Torre

Director, Key Enabling Technologies,  
DG Research & Innovation  
European Commission

Since 1 January 2014, Clara de la Torre is Director responsible for “Key Enabling Technologies” in the Directorate-General for Research & Innovation, European Commission.

She was previously the Director responsible for “Research and Innovation” during three years. From 2008 to 2010, she was Director responsible for “Inter-institutional and legal matters related to the Framework Programme” also at the European Commission.

After a couple of years in the private sector, her professional career has mainly focussed on research policy where she started her activities at the European Commission in 1987. In the late 90’s, she dealt with “National Research Policies & Intergovernmental Cooperation”.

She also worked at the EU Joint Research Centre both in Brussels and Seville, where she was advisor to the Director of the Institute for Prospective Technological Studies.

Clara de la Torre has a degree in Economics and Business Administration from the Universidad Autónoma of Madrid.



## Valerio De Molli

Managing Director,  
The European House – Ambrosetti  
Italy



Valerio De Molli is Managing Director of The European House – Ambrosetti since 2005. He has been Partner since 1999. He is also Director of London’s Ambrosetti Group Limited.

He has worked in the fields of top management, strategy, internationalization and human resources development for a number of large and medium companies and institutions including: Alliance Boots, Areva, Barilla, Bayer, BMS, Eli Lilly, Enel, Falck, Ferragamo, Ferrero, FSI, Gefran, GE International, IFIL, Illycaffè, Novartis, Pfizer, Philip Morris International, Sara Lee, Shell, Sumitomo, Valagro, WPP.

He founded and managed several Advisory Boards, among others: “Sistema Turismo Italia” with the top management of Amadeus, ACI, ANCI and Pirelli RE; “Observatory on Europe” with the top management General Electric, ENI, Ing Direct, Philip Morris International and Whirlpool; “Barilla Center for Food and Nutrition” with, among others, Guido Barilla, Umberto Veronesi and Mario Monti; “Observatory on the Excellence of Corporate Governance in Italy” with the top management of Enel, Falck, Intesa Sanpaolo, Pirelli and Snam; “The Role of Communication for the Society of Tomorrow” supported by WPP; “Meridiano Sanità” with the support of Amgen Dompé, BMS, Eli Lilly, Farmindustria, Pfizer and Sanofi Pasteur.

From 1995 to 2000, he was head of the International Division where he oversaw The European House – Ambrosetti’s activities in Europe, China, Japan and the United States.

Since 1992, he has been responsible for The European House – Ambrosetti’s Forum “Intelligence on the World, Europe, and Italy”, which is held every September at Villa d’Este in Cernobbio, Italy.

Before joining Ambrosetti he worked as a financial advisor in the corporate finance division of Paribas in Amsterdam. He also worked at one of the principle stockbrokers in Milan, Belloni & Tedeschi, and in the research and analysis department of Banca Popolare di Luino e Varese.

He obtained a degree in Business Administration from Bocconi University and is married with three children.

Speakers, Committees & Chairmen



## Guillermo R. Fernández de la Garza

CEO,  
The United States-Mexico Foundation of Science  
Mexico

Electrical, Mechanical Engineer Bachelor, Physics Bachelor from the National University of Mexico (UNAM) and Engineering Economics Systems M.Sc. from Stanford University. He also coursed the IPADE's Program for CEOs.

As Deputy Director of the National Council for Science and Technology (CONACYT) he created different scientific and technological information services for industry, one of those is INFOTEC. He worked as a researcher and engineer at the Federal Electricity Commission in Mexico (CFE). He was Executive Director of the Electrical Research Institute (IIE) in charge of more than 200 innovation projects jointly with the CFE and LyFC, from which enterprises as SINTEC and SIDETEC were created.

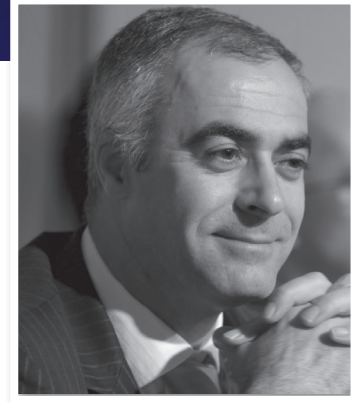
Fernandez has been a leading technical advisor to projects at the UNDP-GEF and has actively participated in several Mexican and international professional organizations such as the Mexican Association of University Mechanical and Electrical Engineers (AIUME), Mexican Association of Mechanical and Electrical Engineers (AMIME) and Institute of Electrical and Electronics Engineers (IEEE). He is Member of the Cross-border Institute for Regional Development (CBIRD), and Member of the Advisory Board of the National Science Resources Center (NSRC). He has participated as Advisor for the United Nations Educational, Scientific and Cultural Organization (UNESCO), United Nations Industrial Development Organization (UNIDO) and International Atomic Energy Agency (IAEA).

The Academy of Science of France has awarded him with the PurKwa Prize 2008, because his enthusiasm in fostering programs about scientific education for children in Mexico.



# José Ferdando Figueiredo

Chairman/President  
the European Mutual Guarantee Association (AECM)  
European Union



José Fernando Figueiredo (48) is Chairman/President of AECM since 2007. AECM – European Association of Guarantee Societies, is the European Association of credit guarantee entities, a non - profit organisation, based in Brussels, representing 39 members from 20 countries of the EU as well as Russia, Montenegro and Turkey. Our members have a total portfolio of more than 80 billion € in guarantees, helping around 2,1 million European SME and entrepreneurs getting access to credit financing to develop their investment projects or to support their business activities. He's co-founder of REGAR – Iberoamerican Network of SME Credit Guarantee Organisations, and Invited Member of the Consulting Council of ALIGA, the Latin American Guarantee Institutions Association.

He is Chairman and Executive President of Norgarante, Lisgarante, Garval and Agrogarante – the four Mutual Guarantee Societies (MGS) in Portugal - with a total share capital of 200 million euro and an outstanding portfolio of 3 billion euro in guarantees (6 billion in credits), managing more than a 100 thousand files. These guarantees helped the more than 60 thousand SME that are shareholders (mutuals) of the MGS to get access to credit financing for above 12 billion euro since foundation.

Alongside with guarantee activities José is also involved in the VC business as Chairman and partner of 2BPartner SCR, a small Venture Capital firm running a start up fund in partnership with local university and some private companies. He's also member of Invicta Angles – the Oporto Business Angels Network. José started his career at Inter-Risco, at the time a joint Venture between the British VC 3i and BPI – one of the leading investment banks in Portugal, later he became member of the Board of IAPMEI, one of the major Portuguese Venture Capital and Private Equity Companies.

José's family business is in the wine sector and he also acts regularly as international consultant for several governments and international organisations. He holds a 5 year degree in economics and the frequency of a master in industrial economics. Also was an invited professor at Fernando Pessoa University in Porto.



## Francesca Flamigni

Project Officer in Complex Systems and Advanced Computing Unit,  
Directorate General for Communication Networks  
Content and Technology, European Commission

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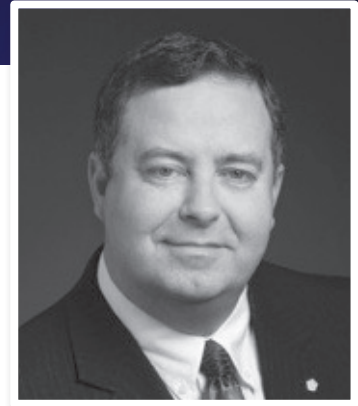
Francesca Flamigni graduated in Mechanical Engineering and received a PhD in Design and Methods of Industrial Engineering from the University of Bologna, where she conducted research activities in the area of Computer Aided Design, advanced visualization and simulation methods.

She joined the European Commission in 2012 as Project/Programme Officer. Her main area of interest is smart manufacturing and in particular, modelling and simulation applied to the design phase of manufacturing processes and products.



## Peter Frise

CEO and Scientific Director,  
Auto21 Network of Centers of Excellence  
Canada



Dr. Peter Frise holds degrees in mechanical engineering from Queen's University in Kingston and Carleton University in Ottawa. He began his industrial career as an oil well wireline data logging engineer working for Schlumberger Wireline Services in Nigeria. He then moved to Husky Injection Molding Systems in Bolton, Ontario as an R&D engineer and later as a design group leader.

In 1985 he joined Carleton University and beginning in 1988, he taught mechanical design there until moving to Windsor where he held the Chrysler Canada/NSERC/University of Windsor Senior Industrial Research Chair in Mechanical Design and was instrumental in founding Canada's first university program in Automotive Engineering in 1998. Dr. Frise works with a number of automotive companies in his present capacity as the Scientific Director and CEO of the AUTO21 Network of Centres of Excellence, Canada's national automotive R&D program.

AUTO21 brings together nearly 200 researchers and 440 graduate students from 48 institutions in partnership with 110 industry and public sector companies and organizations to engage in applied automotive R&D. Through 2013, AUTO21 and its partners will have completed nearly \$130M worth of automotive research. Dr. Frise is a member of the Defence Science Advisory Board of Canada.

He has served on the board of the Ontario BioAuto Council and is presently on the board of the SAE Foundation Canada. Dr. Frise is active on several sub-committees of then Canadian Automotive Partnership Council (CAPC). Dr. Frise is a recipient of the Queen Elizabeth II Diamond Jubilee Medal and is a fellow of the Canadian Academy of Engineering and of Engineers Canada.





## Maurizio Gattiglio

Chairman,  
European Factories of the Future Research Association (EFFRA)  
European Union

Maurizio Gattiglio is Executive Vice-President of Prima Industrie S.p.A., a leading engineering corporation operating worldwide in the field of industrial lasers, sheet metal machinery and electronics. He is actually also CEO of Prima Electro North America, MA USA, Chairman of EFFRA European Factories of the Future Research Association and member of Manufuture Technology Platform High Level Group.

He has worked within the Prima Group since 1986 where he has occupied a number of different positions in R&D&I, customer support, manufacturing and management. He holds a number of patents of invention in the area of coordinate measuring machines and high power laser technology.

Maurizio Gattiglio obtained a degree in mechanical engineering in 1984 from the Polytechnic of Turin.





## Katy George

Director,  
McKinsey & Company  
United States



Katy George is a Director in McKinsey & Company's New Jersey office. Katy co-leads McKinsey's Global Manufacturing Practice. Katy is also a part of the leadership team of the Pharmaceutical and Medical Products Operations practice.

An 18-year veteran of McKinsey, Katy's client service has focused on healthcare supply chain, manufacturing and quality, and Katy has also worked with healthcare companies on corporate strategy and commercial effectiveness. Katy has worked with pharmaceutical and medical device companies in setting operations strategy, defining and launching new operations organization structures and operating models, and optimizing supply and manufacturing performance to lower cost and improve service and market access. Katy leads McKinsey's Quality Roundtables in the pharmaceutical and medical device industries, helping to convene industry and regulators around common objectives. She has led multi-client benchmarking around quality and compliance efficiency, effectiveness, and risk-management. Katy also advises companies in the consumer, food and high-tech sectors on quality topics.

In Katy's role as co-leader of the Global Manufacturing Service Line, Katy has focused on global macroeconomic changes, advanced manufacturing technologies, and how they will reshape manufacturing strategies and opportunities. Katy has spoken at multiple conferences and with clients on advanced manufacturing technology adoption, digital manufacturing management, the role of advanced analytics in manufacturing, and regional manufacturing competitiveness.

Katy also works with Episcopal Relief & Development, a non-profit organization that supports local, long-term initiatives addressing poverty, hunger, disease, economic development, and disaster response around the world. Prior to joining McKinsey, Katy worked as an associate analyst at National Economic Research Associates. She holds a high honors degree in economics and government from Oberlin College and a Ph.D. in business economics from Harvard University. Her doctoral work focused on factory management and supply chain improvements in assembly industries.

Speakers, Committees & Chairmen



## Jack Harris

Director, Advanced Manufacturing Technology,  
Rockwell Collins (retired)  
United States

With over 40 years at Rockwell Collins, Jack Harris retired as the Director of Advanced Manufacturing Technology in September 2011. In this capacity he was responsible for the strategic direction of manufacturing technologies and process development. This included the alignment of business unit needs with manufacturing capabilities and the implementation of Digital Manufacturing tools and technologies for over a dozen manufacturing locations worldwide.

He has been engaged in economic development in manufacturing for over 25 years, and has served as the Vice Chairman of the Iowa Innovation Council and as a member of the state's Technology Commercialization Committee. After his retirement, he helped launch the Iowa Innovation Corporation (IIC) and served as the President/CEO of IIC. In addition, he serves as General Manager for the PDES Inc. international consortia whose charter is to provide enterprise business value through improved information interoperability and usage. He is the IMS Head of Delegation for the United States to the U.S. delegation on the global Intelligent Manufacturing Systems (IMS) program.

He holds an AAS and BS in Mechanical Engineering and a MS in Engineering Management.



# Tomas Hedenborg

Group CEO,  
Fastems Oy Ab  
Finland



Tomas Hedenborg graduated as M.Sc from the Helsinki University of Technology (nowadays Aalto University) in 1985, specializing in Automotive Technology and Combustion Engines. He started his professional career in the automotive industry in R&D management, based in Germany, working for automotive system suppliers Valeo and later Faurecia. Gradually moving in to general management positions, led to the opportunity to become CEO of German-based HBPO, a growth-company specialized in front end modules for cars. The company grew rapidly from a 70 MEUR company in 2000 to a close to 500 MEUR company in 2005 when Tomas left the company.

Moving back to Finland in 2005 to become CEO of Finn-Power, gave Tomas the opportunity to enter the machine tool industry and develop the company to a leading player in its field and facilitating the merger with Italian Prima Industrie to create the #3 player worldwide. After assisting with the integration of the new group, Tomas then moved to Fastems, the factory automation specialist, in 2011. Driving the renewal of the company strategy as Executive Chairman, then led to Tomas stepping into an operational role as Group CEO beginning of 2013. Implementation of an ambitious growth strategy is his main agenda.

Tomas has been involved in founding FIMECC and has been a board member since the beginning. Since 2013 he is the Chairman of the board.

Speakers, Committees & Chairmen



## Donald Hemmelgarn

President,  
ITI TranscenData Business  
United States

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Don Hemmelgarn leads the PLM/CAD/CAM/CAE Interoperability and Integrations solutions business within ITI.

Don's responsibilities include managing the company's business operations and interests throughout North America, Europe, and Asia, and partnerships with major PLM providers including Siemens PLM, Dassault Systemes, and PTC. Since joining ITI in 1984, Don has been instrumental in ITI's transformation from a software development organization to the world's leading provider of product data interoperability solutions.

In addition to his duties at ITI TranscenData, Don serves as an Officer and Executive Committee member of the PDES Inc. Executive Board.



## Anton S. Huber

CEO,  
Industry Automation Division, Siemens AG  
Germany



Anton S. Huber began his career at Siemens in the Semiconductor Group in 1979. After working in various technical and business positions, he assumed a leading role in the acquisition of Bendix Electronics and its subsequent integration into Siemens Automotive LP in the United States in 1989.

In 1991, he became President and CEO of Siemens Automotive LP. In 1996, he took over as the head of the Process Automation and Instrumentation Division of the Siemens Automation and Drives (A&D) Group. In 1998, Mr. Huber led the integration of the Westinghouse unit for conventional power stations that was acquired by Siemens, into the Power Generation Group (KWU).

In October 1999, Mr. Huber was promoted to Vice President of the A&D Group, responsible for product development and production, as well as for business development in the Asia Pacific region. Since January 2008, Mr. Huber has been the President and CEO of the Industry Automation Division of Siemens, an 8 billion Euro organization employing 42.000 people worldwide.



## Ken Jacobson

Senior Editor,  
Manufacturing and Technology News  
United States

Ken Jacobson, the senior editor of Manufacturing & Technology News, is a Philadelphia-based journalist who has been a reporter and editor for a number of publications covering business, technology, and economics.

He has been chief editor of two specialized newsletters, New York-based Metals Week and Washington, DC-based New Technology Week, and has reported from Paris for Business Week and from Amsterdam for the Associated Press.

Currently an associate of the nonprofit Academic-Industry Research Network (AIRnet), he served between 2007 and 2011 as an investigator on the Democratic staff of U.S. House of Representatives' Science and Technology Committee.

Jacobson has also been a contributor to numerous published reports of the National Academies' Board on Science, Technology, and Economic Policy (STEP Board), and is the author of the 1994 book *Embattled Selves: An Investigation into the Nature of Identity Through Oral Histories of Holocaust Survivors* (Atlantic Monthly Press).

He is a graduate of the University of California at Berkeley.



# Robert Kiggans

Chairman,  
IMS International  
United States



Mr. Kiggans is Chairman of IMS International, a global advanced manufacturing collaboration. Robert (Bob) Kiggans was appointed by the Department of Commerce in 2004 as the United States Head of Delegation to the Intelligent Manufacturing Systems (IMS) program, and in 2012 became the Chairman. He has made major contributions to the realign IMS including development of the Manufacturing Technology Platform program for manufacturing research.

A holder of the International Leadership Award (ASME), Mr. Kiggans has over thirty years experience in advanced computer and product data technologies, program and technical management, manufacturing technologies, and command and control systems. He is Vice Chairman of the SCRA Applied R&D Board of Directors, Vice Chairman of the Board of International TechneGroup, Inc. (ITI) and is a Board member of PDES, Inc. Board and the Citadel Engineering Executive Advisory. He was a Deputy Director at Defense Advanced Research Projects Agency (DARPA), and Research Fellow at NIST.





## Enrico Krog Iversen

CEO,  
Universal Robots  
Denmark

Enrico Krog Iversen has been CEO and partner at Universal Robots since 2008.

He discovered a huge potential in the UR robots because they are significantly easier and inexpensively to install, use and program compared with traditional industrial robots. Within a few years, he has created a spectacular growth and expansion of Universal Robots.

The Dane combines many years of experience in management with in -depth knowledge within automation and production processes. Enrico Krog Iversen began his career as a management trainee with the shipping company A.P. Moeller/Maersk in Copenhagen, Denmark's largest company. Subsequently, he has held various positions within the group, including a period as Operations Manager with Maersk, Inc. in New York, USA, before studying for a degree in business administration at the University of Southern Denmark in Odense.

Before joining Universal Robots, he was partner and Sales Director at Krog Iversen & Co. A/S (today Scan A/S), the largest manufacturer of heating stoves in Denmark. In this position he was responsible for the company's international expansion and therefore played a significant role in the company's strong growth.





## Thomas R. Kurfess

HUSCO/Ramirez Distinguished Chair  
in Fluid Power and Motion Control,  
Georgia Institute of Technology  
United States



Thomas R. Kurfess received his S.B., S.M. and Ph.D. degrees in mechanical engineering from M.I.T. in 1986, 1987 and 1989, respectively. He also received an S.M. degree from M.I.T. in electrical engineering and computer science in 1988. Following graduation, he joined Carnegie Mellon University where he rose to the rank of Associate Professor. In 1994 he moved to the Georgia Institute of Technology where he rose to the rank of Professor in the George W. Woodruff School of Mechanical Engineering.

In 2005 he was named Professor and BMW Chair of Manufacturing in the Department of Mechanical Engineering at Clemson University's International Center for Automotive Research. In 2012 he returned to Georgia Tech where he was appointed the HUSCO/Ramirez Distinguished Chair in Fluid Power and Motion Control and Professor of Mechanical Engineering.

During 2012-2013 he was on leave serving as the Assistant Director for Advanced Manufacturing at the Office of Science and Technology Policy in the Executive Office of the President of the United States of America.



**Michael Lemon**  
Chairman and CEO,  
International TechneGroup, Inc.  
United States

Mike Lemon is Chairman and CEO of International TechneGroup, Incorporated. Mike dedicates his time to building strategic partnerships and developing global business opportunities for ITI, a world leading provider of CAD/CAM/CAE/PLM Interoperability Solutions.

Mike has been with ITI since its inception in 1983. Mike has provided technical leadership for many of ITI's New Product Development and Data Integration programs. With a focus on the optimization of Technical Data Interoperability, significant impacts in development productivity have been achieved at various clients; as measured by Time to Cash and Cost of Engineering Change.

While majoring in Economics at the University of Cincinnati, Mike worked also for Structural Dynamics Research Corporation (SDRC) in Marketing Services and packaging CAE Systems for SDRC/CAE International.

Mike is on the board of directors for AFEI (Association for Enterprise Interoperability) and the WMF (World Manufacturing Forum). Mike is also an active advisory member for the Automotive Industry Action Group (AIAG), the University of Cincinnati College of Engineering and Applied Sciences (UC CEAS), the Joint Defense Manufacturing Technology Panel (JDMTP) and is I-PLM Chair for Intelligent Manufacturing Systems (IMS).



# Bernd Liepert

CTO,  
KUKA AG  
Germany



Dr. Bernd Liepert is the CTO of KUKA AG, a world leading manufacturer of Industrial robots.

Dr. Liepert earned his diploma in mathematics in 1990 from the University of Augsburg and has since then worked in changing positions for KUKA.

From 1990 to 1996 Dr. Liepert worked as mathematician and developer at KUKA Schweissanlagen + Roboter GmbH before he took charge as head of development of the newly founded company KUKA Roboter GmbH.

From 1998-1999 he was a member of KUKA Roboter GmbH Board of Management, responsible for development and design.

From 2000-2009 he was the CEO of KUKA Roboter GmbH. Since 2010 he is the CTO of KUKA AG, responsible for technology and development of the whole KUKA group.

Since 2012 Dr. Liepert is president of euRobotics AISBL – the European Robotics Association. In this capacity he has been leading the European robotics community and representing it at high political levels.



**William Mahoney**  
CEO,  
South Carolina Research Authority (SCRA)  
United States

Bill Mahoney, a Harvard graduate, is the CEO of the South Carolina Research Authority (SCRA). SCRA is a non-stock, tax-exempt applied R&D corporation, which operates under a public charter from the state of South Carolina, but is economically self-sufficient due to its business operations, and receives no state funding.

Under Bill's leadership, SCRA's financial growth has paralleled its advancing reputation within defense, security, advanced materials, and energy and sustainability market segments as a dynamic, research-based business, uniquely able to rapidly and cost-effectively apply innovative technologies to important government and corporate problem sets. In its vertical markets, SCRA today competes effectively against larger entities such as Battelle, SAIC, IBM, Mitre Corp, and others.

During Bill's tenure, SCRA and Bill have received numerous awards and best practices recognition. He is Secretary of the SCRA Board and Chairman of SCRA's wholly-owned applied R&D affiliate, Advanced Technology International, Inc. He currently serves on outside corporate boards at STEM Premier and Materials Innovation Technologies/RCF, the National Defense Industrial Association, the National Energy Marketers Association and the Fuel Cell and Hydrogen Energy Association. On a state and local level, he serves or has served on the boards of the SC Hydrogen and Fuel Cell Alliance, Midland Technical College Foundation, and SC Economics.



# Pierfrancesco Manenti

Vice President, Research,  
SCM World  
Italy



Pierfrancesco Manenti is Vice President, Research at SCM World and in this capacity he leads the research practice for Manufacturing & Production Operations and Design for Supply Chain & PLM.

In his role, Pierfrancesco provides insights, consulting and advisory support to leading global manufacturers and specialty IT vendors into the key challenges and trends affecting manufacturing industries, including Automotive, Machinery, Aerospace, Wearing Apparel/Fashion, CPG, and High-Tech.

Among the process domain areas, Pierfrancesco specializes in Manufacturing Operations, Supply Chains, and Product Life-Cycle strategies. A senior executive with 20+ years of industry experience in manufacturing operations and supply chain strategy research, consulting and IT solutions, Pierfrancesco is a thought leader with a strong focus on the business value of technology in manufacturing.

Prior to joining SCM World, Pierfrancesco served as Head EMEA of IDC Manufacturing Insights where he led the EMEA research practice and was the global lead for the Operations Technology Strategies advisory service.

Prior to IDC, Pierfrancesco spent many years with TXT e-solutions, a Europe-based SCM software vendor, where he held increasing roles and responsibilities, including: industry manager for automotive, business development director for manufacturing industries, and U.K. operations director.

Manenti has a master degree in computer science from Pisa University (Italy).



## Matteo Marini

CEO, Country Manager Italy and Regional Manager Mediterranean,  
ABB S.p.A.  
Italy

MSc in Business Administration at Università Bocconi, Milan. Joined ABB in 1991.

From 2006 to 2009: Group Senior Vice President Global Head of Front End Sales Power Product Division at ABB Headquarters, in Zurich, Switzerland.

From 2009 to 2013: Senior Vice President ABB S.p.A., Local Division Manager Power Products Italy and Regional Division Manager Power Products Mediterranean.

Since November 2013: Chief Executive Officer ABB S.p.A., Country Manager Italy and Regional Manager Mediterranean.

Chairman and Managing Director ABB S.A. France; Vice Chairman ABB S.A. Greece; Chairman ABB A.S. Turkey; Vice Chairman; ABB S.A. Spain; Director ABB S.A. Portugal; Chairman ABB d.o. Croatia; Chairman ABB S.A. Morocco; Chairman ABB Algerie; Chairman ABB Algerie Produits; Chairman; ABB Maghreb Services S.A. Tunisie.

Since 2012 Member of Confindustria ANIE; since March 2012 President of ANIE Energia; since December 2013 Member of the Council of Assolombarda; since January 2014 Member of the Council of Sodalitas.



## Howard Mason

Corporate Information Standards Manager,  
BAE Systems  
United Kingdom



With forty years in the aerospace industry, Howard Mason is responsible for information standards and engineering business solutions in the Office of the CIO at BAE Systems, including corporate implementations of the ISO 10303 STEP standard for projects and links to customers.

He is the Co-chair of the US aerospace industry Business Technology Interoperability Committee, which recommends interoperability standards for industry adoption. He is also Vice-Chair of the corresponding European ASD Strategic Standardisation Group, with responsibility for transatlantic coordination.

He leads the ISO activities on industrial data as Chairman of ISO/TC 184/SC 4, which received the 2007 Lawrence D. Eicher Leadership award for excellence in standardisation. He is Co-chair of the OASIS PLCS Technical Committee, which is exploiting extensions to STEP to cover the complete product lifecycle.

He chairs the Management Group for the MoU between ISO, IEC, ITU and UN/ECE with responsibility for coordination of Electronic Business standards worldwide.

He also serves as Heritage Manager for BAE Systems in the UK, with responsibility for the corporate archives at Farnborough, and management of Heritage Product and Project activities including community investments, support for museums, heritage centres and display teams, and the Company historic aircraft at Shuttleworth.





**Michael F. McGrath**  
V.P., Systems and Operation Analysis,  
Analytic Services Inc. (ANSER)  
United States

Michael McGrath is Vice President for Systems and Operations Analysis at Analytic Services Inc. (ANSER), a not-for-profit government services organization. He leads ANSER's operations in Science and Technology and Operations Analysis and Management. He previously served as the Deputy Assistant Secretary of the Navy for Research, Development, Test and Evaluation (DASN(RDT&E)), where he was a strong proponent for improvements in technology transition, modeling and simulation, and test and evaluation.

In prior positions, he served as Vice President for Government Business at the Sarnoff Corporation, ADUSD for Dual Use and Commercial Programs in the Office of the Secretary of Defense (OSD), Assistant Director for Manufacturing at the Defense Systems Research Projects Agency (DARPA-DSO), and Director of the DoD Computer-aided Acquisition and Logistics Support (CALS) program.

While at DARPA, he managed the Affordable Multi-Missile Manufacturing Program and the Agile Manufacturing program. He was also heavily involved in DARPA's dual-use Technology Reinvestment Project. His early government career included positions in Logistics Management at Naval Air Systems Command and in Acquisition Management in OSD. He is a member of the National Research Council's Materials and Manufacturing Board, the Defense Materials, Manufacturing and Infrastructure Committee, the Penn State ARL Materials and Manufacturing Advisory Board, and the Georgia Tech Manufacturing Institute Advisory Board.

Dr. McGrath holds a BS in Space Science and Applied Physics and an MS in Aerospace Engineering from Catholic University, and a doctorate in Operations Research from George Washington University.





## Arturo Molina

V.P., Research, Postgraduate Studies and Continuing Education,  
Tecnológico de Monterrey  
Mexico



Professor Dr. Arturo Molina is Vicepresident of Research, Posgraduate Studies and Continuing Education of Tecnológico de Monterrey. Former Rector of Mexico City Metropolitan Area and General Director of Campus Ciudad de Mexico, Vicepresident of Research and Technological Development, and Dean of the School of Engineering and Architecture of Campus Monterrey. He was a visiting professor at UC Berkeley at Mechanical Engineering Department during his Sabbatical year. He received his PhD degree in Manufacturing Engineering at Loughborough University of Technology, England in July 1995, his University Doctor degree in Mechanical Engineering at the Technical University of Budapest, Hungary in November 1992, his M.Sc. degree and BSc. in Computer Science from Tecnológico de Monterrey, Campus Monterrey.

Professor Molina is member of the National Researchers System of Mexico (SNI-Nivel II), Mexican Academy of Sciences, Mexican Engineering Academy, Member of the IFAC Council, and member of IFIP WG5.12 Working Group on Enterprise Integration Architectures and IFIP WG 5.3 Cooperation of Virtual Enterprises and Virtual Organizations.

He has offered seminars and conferences in USA, Canada, Latin America and Europe and is in the Editorial Board of the International Journal of Computer Integrated Manufacturing and Annual Reviews in Control. He has worked as a consultant for important Mexican corporations, World Bank, Inter-American Development Bank (IADB) and United Nations Information and Communication Technologies (ICT) Task Force. He has been Latin American coordinator of international projects related to the development of Information Technologies.

His current research interests include concurrent engineering, technologies for rapid product design and manufacturing, enterprise integration engineering, technology management, and collaborative networked organizations.



**Manuel Montoya**  
CEO,  
Automotive Cluster of Nuevo León  
Mexico

Manuel Montoya has a Master in Business Administration by the “Instituto de Estudios Superiores de la Empresa”, IESE, Barcelona, Spain and Chemical Engineer by the “Instituto Tecnológico y de Estudios Superiores de Monterrey.” He worked as Project Manager for the Asiatic Operations with Ficosa International and then Technical Vicepresident and Member of the Board for Tata Ficosa Private Limited, Pune, India. He also worked before as Program Manager at IPADE Business School and Project Leader at Seival.

For the last 7 years he had been the CEO of the Automotive Cluster of Nuevo Leon, Claut, in Monterrey, Mexico, an organization that gathers 80 companies and institutions related with the automotive industry in the North East region of Mexico. The Claut concentrates efforts in the automotive innovation ecosystem, coordinating technological projects between companies and academic and research institutes.

He participates in the Board of the Monterrey Center for Competitiveness and in the Board of The Competitiveness Institute, a network of cluster initiatives around the world.



## Dan Nagy

Managing Director,  
IMS International  
United States

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As Managing Director of the Inter-Regional Secretariat of Intelligent Manufacturing Systems, Mr. Nagy is currently responsible for oversight of activities related to the IMS international program including general management, marketing, finance, project portfolio, and outreach activities.

Mr. Nagy was a former manager of corporate accounts for Apogent Technologies, where he guided sales and marketing of microbiology, serology, immunology, pathology, drugs of abuse, and special chemistry products to large accounts. He developed and implemented contracts with major group purchasing organizations and large commercial laboratories, and pioneered group contracting with the Department of Veteran's Affairs and Department of Defense.

In his early career, he worked as a medical technologist and laboratory manager. Mr. Nagy holds a Bachelor of Arts from Lycoming College, and a Masters of Business Administration degree from Baker University. He also holds certification in medical laboratory technology and other certifications.



## Mauro Piloni

President, Whirlpool R&D

Global V.P., Advanced Development and Cross Product Categories,  
Whirlpool Corporation  
Italy

Professional experience along the entire process aimed to develop, produce and commercialize new products around the globe. Led R&D, Product Strategy, Engineering, Manufacturing departments along the career.

Actually leading a global team of 1400+ people with the main accountability to develop and secure the “Future of the Company” translating Trends and Consumer needs into New Products and following their execution till production while at the same time to create and to execute Front End research in partnership with Universities, Government, key Research Centers.

Additional membership:

- Advisory Board of the Politecnico of Milan PhD School
- “Comitato Ricerca e Innovazione” Confindustria (Italian Association for Industrial companies)
- Member of the board EUMAT (European Technology Platform for Advanced Engineering Materials and Technologies)
- EFFRA (European Factory of the Future Research Association)
- Advisory Board of LIUC University of Castellanza Masters (“Mechatronic & Management - MEMA”, “Food Management, MAFOOD”)
- Advisory Board of the “Observatory on Europe 2014” (The European House - Ambrosetti)



# Andrea Rigoni

Executive Vice President,  
FINMECCANICA S.p.a. - Group Security and ICT  
Italy



Mr. Andrea Rigoni, a law graduate with a Master of Science in Economic and Financial Security and he has a Statutory Auditor. He is married with two daughters.

Currently is an Executive Vice President in Finmeccanica spa, as Responsible for developing and directing Group governance as regards Security and ICT, maximizing the operational synergies, the effectiveness, the efficiency and the homogeneity of the management structures, in line with Group strategic policies and business objectives. He has the commitment to boost the internal security organization improvement and help business to approach the market with an integrated solution. He is also put in charge of the coordination and implementation of the Group Security & ICT Infrastructure Compliance Plan.

Regarding security, is also responsible for the cyber security field and coordinates the cooperation Initiatives and partnerships for protection against cyber threats, working in collaboration with the other appropriate Finmeccanica Spa units.

He spent many years in different banking companies deeply involved with important positions. He was a member of the Crisis Headquarters of Ferrovie dello Stato SpA and also an expert on Strategic Cooperation between the Security Services Group and the European Railway Police. He is the author of numerous publications about legal tax laws.



**David Romero**  
Research Scientist and Scientific Project Manager,  
Tecnológico de Monterrey University  
Mexico

Professor David Romero is Senior Research Scientist and Scientific Project Manager at the Tecnológico de Monterrey University in Mexico. He currently acts as Director of Strategic Partnerships for Knowledge Generation and Transfer at Vicepresidency for Research, Postgraduate Studies and Continuous Education at the same university, where he has also occupied different executive director positions in the departments of research and development, innovation and technology transfer, and business incubation and acceleration.

He has participated in various national and international research projects, consulting services and training programmes related to: Enterprise Architectures, Integration, Interoperability and Networking (EAI2N), Concurrent Engineering Enterprise (CEE), Sustainable Collaborative Networked Organizations (CNOs), and Technology & Innovation Management (TIM). Furthermore, he is actually member of the Ibero-American Community for Knowledge Systems (CISC), the Global Knowledge Based-Development Community (KBD), the Society of Collaborative Networks (SoColNet), the European Network of Living Labs (ENoLL), the ICE Community on Engineering, Technology and Innovation Management, the IFAC TC-WG5.3 on Enterprise Integration and Networking, the IFIP WG5.12 on Enterprise Integration Architectures, and the Intelligent Manufacturing Systems (IMS) programme.

He has published more than 60 journal and international conference articles and serves at different editorial and scientific committee boards in the disciplines of business and industrial engineering.



## Göran Roos

Chair,  
Advanced Manufacturing Council  
Australia



Göran Roos is chairing the Advanced Manufacturing Council in Adelaide; is a member of the Economic Development Board; the Council for Flinders University, and CSIRO's Manufacturing Sector Advisory Council. He is also Professor in Strategic Design in the Faculty of Design, Swinburne University of Technology, Melbourne, Australia; Adjunct Professor at Mawson Institute, University of South Australia, Adelaide, Australia; Adjunct Professor at ECIC, University of Adelaide, South Australia; Australia; Adjunct Professor at University of Technology Sydney Business School, Australia; Adjunct Associate Professor in the College of Business, Nanyang Business School, Nanyang Technological University, Singapore and Senior Advisor to Aalto Executive Education Academy in Helsinki.

He was a member of the Prime Ministers Manufacturing Leaders Group and has been the chairman of the board for VTT International in Finland; Honorary Professor at Warwick Business School in the UK and Visiting Professor of Intangible Asset Management and Performance Measurement at the Centre for Business Performance, Cranfield University;

Göran was named one of the 13 most influential thinkers for the 21st Century by the Spanish business journal "Dirección y Progreso" and was appointed "Manufacturing for the Future" Thinker in Residence by the South Australian Premier for the year 2011 and an appointed member of the Prime Minister's Manufacturing Leaders Group 2012/2013. He was selected for Committee for Economic Development of Australia (CEDA) Top 10 Speeches 2013: A collection of the most influential speeches in 2013 for the speech: "The future of manufacturing in Australia: Innovation and productivity".





## Khalil Rouhana

Director, Components & Systems,  
DG CONNECT  
European Commission

Khalil Rouhana is the director for “Components & Systems” in DG CONNECT (Communications Networks, Content & Technology). The mission of the Directorate is to support research and innovation and ensure industrial and business development in micro and nano electronics, photonics, robotics, embedded and complex systems and advanced computing. The Directorate is also DG CONNECT lead for Horizon 2020/ LEIT, notably coordination of key enabling technologies (KET) in ICT .

In his previous experiences in the Commission, he was the Director for “Digital content & Cognitive systems”, the Head of Unit in charge of ICT research and Innovation strategy, and started as a project officer in the ESPRIT programme in the areas of High Performance Computing and Future and Emerging technologies. Before joining the Commission in 1992, he was for 5 years the director of an institute and school of engineering (Grande Ecole) in France. He started his career as research and development engineer for the aeronautics industry, worked for the French University in Beirut and created also his own engineering company. He has two master degrees in electrical and electronic engineering.





## Roberta Salonna

Principal Research Programme Officer,  
DG Research & Innovation  
European Commission



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Senior Programme Official of the European Commission in Directorate “Industrial Technologies” within DG Research & Innovation (NMP programme – Nanotechnology, Materials and Production Technologies).

In charge of: Evaluation, negotiation and follow up of RTD projects on the Consumer Goods manufacturing sectors (Textile/Clothing, Footwear, Sporting Goods, Furniture, etc.) as well as other ones, such as automotive, mechanics, construction.

EU Regional Secretariat (NMP programme) of IMS an International Cooperation scheme on Manufacturing RTD issues at global level.

Joint Working Group between the three European Technology Platforms of Footwear, Textile/Clothing and Sporting Goods on the “Consumer Goods” thematic area

ETP on the Footwear sector launched in June 2006

Sporting Goods Working Group launched in March 2008

MANUFUTURE National Platforms in IT, PT and CH



## Manuel Sandoval

Executive Director of Export Projects,  
Exports Promotion Unit, ProMéxico  
Mexico

Manuel Sandoval Rios is the Director of Export Projects in ProMexico, the Mexican Agency for International Business Development. In this position he leads the Mexican strategy for core sectors internationalization and the development of internationally competitive clusters in the country.

Formerly, as Executive Director of Prospective Analysis and Innovation at ProMéxico, the Business Intelligence Unit has been successful in implementing the use of technological roadmapping which has been instrumental to boost the aerospace and advanced manufacturing sectors, resulting in the development of competitive clusters and the establishment of operations of a number of important players in the country like Audi, Bombardier, Honeywell among others.

Born in Mexico City, Manuel Sandoval Ríos has earned a Master of Science degree in Manufacturing Systems and Science of Materials at Monterrey Tech Institute and a Bachelor of Science degree in Mechanical Engineering at Monterrey Tech Institute. In 1998 he received the most important academic award from the president of the Universidad del Valle de Mexico for his work in research and academy.

Before joining ProMéxico, Manuel Sandoval was CEO of TechBA Montreal; Dean of the School of Engineering and Techno Sciences, Corporate Markets Director at Universidad del Valle de México and Founder and CEO of Tecnoeje. Under his management at Tecnoeje, an agreement was signed with the United States and Mexican governments to develop the NAFTA High Tech Community, now named the Mexico-US Entrepreneurship and Innovation Consortium (MUSEIC).

Inspired by the synergy of technology and digital production he saw in Montreal, Canada during his tenure as head of TechBA, Mr. Sandoval introduced the concept that eventually led to the development of the Creative Digital City (CCD) project, a hub for digital media production and prototype for cities of the future. CCD will be built in the centre of Guadalajara and it will be designed to become a prototype for the cities of the future in Mexico.



## Diana Saraceni

General Partner and Co-Founder,  
360° Capital Partners  
European Union



Diana is General Partner of 360° Capital Partners. Diana co-founded 360 Capital Partners and followed/follows companies in Cleantech, Medical device, Digital and Retail sectors such as CO.Import (IT), Mutuonline (IT), Eurooffice (UK), Nanomuscle (US), Electro Power Systems (IT), Invendo (Ger), BMEye (Ne), Biolase (IT) and NSE (IT).

Before joining the Venture Capital Industry over 10 years ago, Diana was a Senior Advisor at Lazard Investment Banking. In Lazard she was part of the Technology Team and primarily worked on M&A transactions and IPOs. Prior to Lazard, Diana was a strategic consultant with A.T. Kearney in Milan and London. Diana was/is part of several national and international selection committees.

Diana graduated in Engineering, received an MBA from LUISS of Rome and is fluent in Italian, English, French and Spanish.



**Ji Oh Song**  
Executive Vice President and Senior Advisor,  
Samsung Electronics  
Republic of Korea

Dr. Ji Oh Song is Executive Vice President and Senior Advisor at Samsung Electronics. He has begun serving as the head of WorldSkills Samsung since 2007, an initiative to motivate and encourage young people to learn skills. He had been the general manager of Mechatronics & Manufacturing Technology Center, Samsung Electronics from 2001 to 2007. In this capacity he was responsible for the research and development of advanced manufacturing technology, including factory automation, innovative equipment, and manufacturing software.

His professional career began at Pratt & Whitney Aircraft, United Technologies Corp. in 1979 as a senior engineer. Then he joined General Motors Research Laboratories in 1983 conducting extensive research works in the structural and system optimization. After that, he moved to the midsize and luxury car division of General Motors in 1986 to become the manager of vehicle structure and system optimization. He had led car development from 1996 to 2000 as a head of Samsung Motors Technical Center.

Ji Oh Song served as the chairman of CAD/CAM Society, the vice chairman of the Institute of Control, Automation and Systems Engineers, Korea, vice chairman of the Korean Society of Mechanical Engineers, and Head of Delegation for the international Intelligent Manufacturing Systems program. He graduated from Seoul National University with a bachelor's and a master's degree in mechanical engineering. He also received a master's degree in applied mechanics and a Ph.D. degree in mechanical engineering from the University of Iowa, U.S.A.



## Zoran Stančič

Deputy Director General,  
DG CONNECT  
European Commission



Dr. Zoran Stani is Deputy Director-General in the European Commission, DG CONNECT since 2009.

Trained as an engineer he started his professional career as a research assistant at the Department of Archaeology, University of Ljubljana. In 1994 he was employed as the Head of the Spatial Information Centre of the Scientific Research Centre of the Slovenian Academy of Sciences and Arts and Associate Professor at the Department of Geodesy. From 1990 till 2000 he was a research fellow or visiting professor at the University of Arkansas, the Delft University of Technology, the University of Reading, the Boston University, the University of Trieste and the University of Paris. Zoran Stani has published seven scientific books and a number of scientific papers on quantitative methods in archaeology and remote sensing.

During 1999 - 2000 he was Deputy Director of the Scientific Research Centre of the Slovenian Academy of Sciences and Arts.

From the year 2000 to 2004 he was State Secretary for Science at the Ministry of Education, Science and Sport in Slovenia.

In the period 2004 - 2009 he served as Deputy Director-General in the European Commission, DG Research.



## Keith Stouffer

Project Leader,  
Cyber Security for Smart Manufacturing Systems, NIST  
United States

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Keith Stouffer has worked at NIST for over 23 years, focusing on industrial control system security since 2000.

Keith is the lead author of Special Publication 800-82 Guide to Industrial Control Systems Security, which provides guidance for the public and private sectors on how to secure industrial control systems while addressing their unique performance, reliability and safety requirements. Keith has also been active in the private sector standards community, providing input to the ISA99, IEC 62443 and NERC CIP security standards.

During his career, he has received Gold and Bronze Medals from the Department of Commerce.

Keith holds a Masters degree in Computer Science from Johns Hopkins University and a Bachelor degree in Mechanical Engineering from the University of Maryland.



## Jouko Suokas

Executive V.P. of Smart Industry and Energy Systems,  
VTT Technical Research Centre  
Finland



Dr. Jouko Suokas is the Executive Vice President of Smart Industry and Energy Systems at VTT. This is the largest of three business areas. The budgeted turnover of the business area is over 100 M€ and amount of personnel is over 900. During 2006 – 2013, Dr. Suokas was responsible for Business Solutions at VTT. That covered all VTT's commercial activities the turnover being over 70 M€. In 2001, he was responsible of the reorganisation of four research institutes VTT Automation, VTT Energy, VTT Chemical Technology and VTT Manufacturing Technology. The reorganisation led from four to two institutes: VTT Industrial Systems and VTT Processes.

During 2002 – 2005, he was the Executive Director of VTT Industrial Systems. VTT Industrial Systems employed over 500 persons and the turnover was 48 M€. Earlier he has been Executive Director of VTT Automation (1998 - 2002), and laboratory director/research manager responsible of Safety Engineering research (1989 - 1998). He has taken part in several teams that have evaluated departments of TNO in the Netherlands and SINTEF in Norway as well as research programs in Sweden.

Since 1998 he has been member of VTT's Executive Board. Since 2006 he has been Deputy to CEO.





## Marco Taisch

Full Professor,  
Operations Management and Advanced and Sustainable Manufacturing,  
Politecnico di Milano  
Italy

Marco Taisch is full professor at the Politecnico di Milano, where he teaches the courses of Advanced and Sustainable Manufacturing Systems and Industrial Technologies.

He has been the director of the Executive MBA and the full time International MBA of the School of Management of Politecnico di Milano. He is one of the member of the Strategic Advisory Board of VTT.

The team of Manufacturing Management and Engineering that he is leading counts around 30 researchers working in the field of operations and supply chain management, with a particular focus on design and management of manufacturing systems, Sustainable and Energy Efficient Manufacturing and Industrial Services, Product Lifecycle Management. The team took part in more than 20 international funded projects.

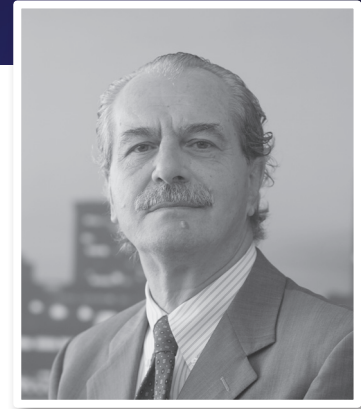
He has published four books and more than 115 papers in international journals and conference proceedings. He chairs since 2007 the IFIP Working Group 5.7 on Advances in Production Management Systems. He is in the editorial board of Production Planning & Control, and the Int. Journal of Sustainable Manufacturing & Renewable Energy. Currently he is member of the Industrial Research Advisory Group (IRAG) of EFFRA, the European Factory of the Future Research Association.

Prof. Marco Taisch is chairing the Program Committee the World Manufacturing Forum 2014.



# Riccardo Tarantini

CEO,  
COMAU  
Italy



Riccardo Tarantini was appointed Chief Operating Officer Systems and Castings and named a member of the Group Executive Council (GEC) on September 1, 2011. He was appointed Managing Director and General Manager of Teksid S.p.A. in February 2003. In August 2006 he was also appointed Chief Executive Officer of Comau S.p.A.

Riccardo Tarantini joined 3M Italia in 1974, as a plant controller. The following year he moved to Delchi S.p.A. (Westinghouse Electric) in charge of Corporate Reporting, later becoming Head of Control and Finance. He joined Teksid in 1979 as Central Controller for the Diversified products grouping, later taking charge of Administration and Control, first of the Tube and Pipe division and then of the Aluminium Foundry division. He worked for Toro for two years (1985-1986) as head of the Management Control Project, and returned to Teksid in 1987 in other management positions. After four years of managerial experience in the U.S.A., he was appointed head of the Aluminium Foundries division and then Assistant General Manager of the Metallurgical Products Sector, responsible for New Initiatives and International Development.

Mr. Tarantini has a degree in the Economics of Industrial Companies from the Bocconi University of Milan. He has also taken specialization courses in Milan and Fontainebleau.



**Abraham Tijerina**  
Coordinator of Innovation Management,  
Metalsa S.A. de C.V.  
Mexico

Abraham Tijerina is Coordinator of the Innovation Management process at Metalsa SA de CV, a leading global corporation for Design, Development and Manufacturing of Automotive Structural Components. He has worked at Metalsa since 1992 where he has occupied different positions in Engineering, Technology and Innovation.

Among his main activities are the Integration and Management of Metalsa's Innovation Project Portfolio, the Collaboration Program with Technological Partners and Universities, the Intellectual Property Portfolio and the External Funding Schemas for Innovation.

Mr. Tijerina has served as Member of the Technical Board of Mexico's National Technology Award Foundation and the Nano-Technology Cluster. Currently at the Automotive Cluster, the Industrial Chamber in the estate of Nuevo Leon and Head of the Mexican Delegation of the Intelligent Manufacturing System (IMS).

He received his M.Sc. degree in Mechanical Engineering Tecnologico de Monterrey (ITESM) and his Mechanical Engineering degree from Universidad Autonoma de Nuevo Leon, Mexico.



# Herbert von Bose

Director,  
Industrial Technologies, DG Research and Innovation  
European Commission (Retired)



Herbert von Bose completed his studies in law from the universities Bonn, Geneva and Heidelberg in 1975. He was assistant at the law faculty of the University of Montpellier before joining the Ministry of Justice in Baden Württemberg , Germany in 1976.

From 1979 to 1983 he practiced as a lawyer in Mannheim and Heidelberg. In 1983, he started working for the European Commission in Brussels. Up to 1995 he worked in different Directorates General: Social affairs, Energy and Enterprise.

In 1996 he joined the Directorate General for Research and became Head of Unit for "Aeronautics, Space, Automotive, Rail and Maritime".

From 2004 to 2007, he was Head of Unit for "Security Research and Development". From September 2007 to December 2013, he was Director for "Industrial Technologies" in DG Research and Innovation.



**Charles Wessner**  
Professor, Global Innovation Policy,  
Georgetown University  
United States

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Dr. Charles Wessner currently teaches Global Innovation Policy at Georgetown University and is a powerful advocate of effective innovation policies. Previously, he served for two decades as a National Academies scholar where he founded and directed the National Academy of Sciences Technology, Innovation, and Entrepreneurship Program.

He is recognized nationally and internationally for his expertise on innovation policy, including public-private partnerships, entrepreneurship, early-stage financing for new firms, 21st century manufacturing, cybersecurity, and the special needs and benefits of high-technology industry. As an outgrowth of his work with the U.S. government, he advises technology agencies, universities, and government ministries, including the Prime Ministers of countries in Europe and Asia.

In addition, he cooperates closely with international organizations and lectures at major universities in the U.S. and abroad. The overarching goal of his work is to develop a better understanding of how we can bring new technologies forward to address global challenges in health, climate, energy, water, infrastructure, and security. Reflecting his commitment to international cooperation, he was recently named an Officer of the Order of Merit by the President of France.



## Garth Williams

Director, Advanced Manufacturing Technologies,  
Department of Science and Technology  
Republic of South Africa



Mr Garth Williams works at the National Department of Science and Technology in Pretoria, South Africa as Director: Advanced Manufacturing Technologies where he is responsible for science and technology policy in relation to the manufacturing sector.

Before this Mr Williams spent 9 years at Mintek, a public research organisation that specialises in minerals processing and extractive metallurgy. Within Mintek his first five years were spent as a precious metals researcher-cum-special projects coordinator.

He spent the latter portion within an HR environment where he oversaw Mintek's human capital development and science promotion programmes. He started his working career in Cape Town working as the plant metallurgist at GKN Sinter Metals Cape Town, a powder metallurgy-based component manufacturer, followed by a short stint at the R&D Division of Nampak, a diversified packaging manufacturer.

Mr Williams has a BSc (Eng) and an MSc (Eng) in Materials Engineering from the University of Cape Town and a more recent qualification in innovation systems from the Institute for Economic Research on Innovation at the Tshwane University of Technology.

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