

Annual Meeting 2019

SPEAKERS



World Manufacturing Forum

WMF

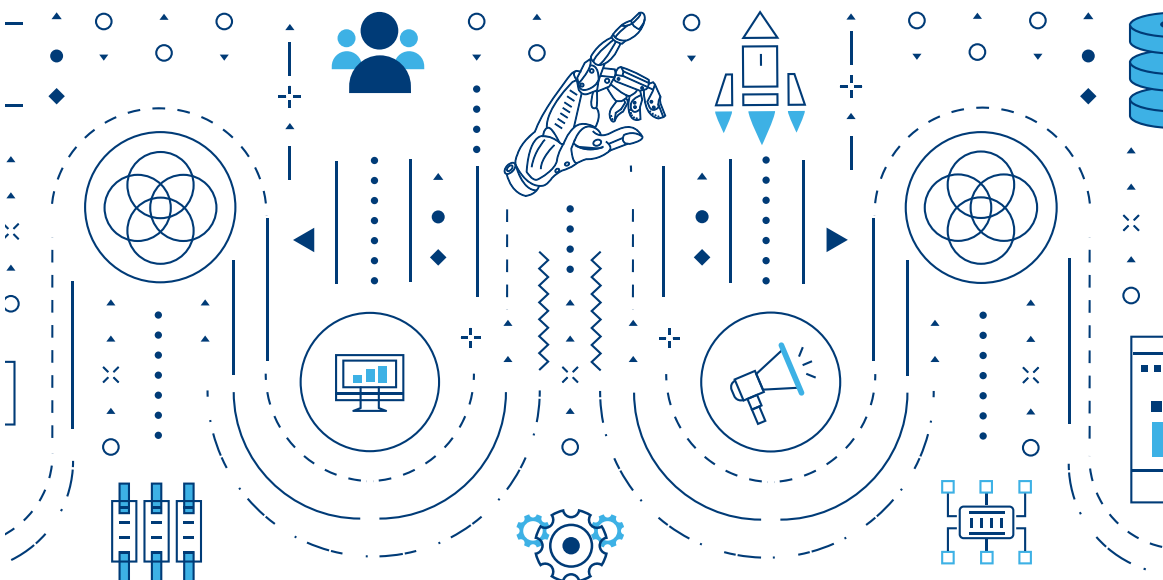
Annual Meeting
2019

26-27 September 2019
Villa Erba, Cernobbio

"New Skills for Future Manufacturing"

The Role of Digitisation for an Educated, Productive and Healthy Workforce

SPEAKERS







Alberto Alesi

*ManpowerGroup
ManpowerGroup Solutions México
& Right Management Latam Director*



Alberto has more than 17 years of experience as a leader in sales and business development in human resources and web technology services. He has successfully opened and grown operations in different countries, including Spain, Colombia, Mexico, Venezuela, and Central America among others, building high performance teams, policies, processes and standards. He currently serves as Director for ManpowerGroup Solutions México & Right Management Latam. Previously, he worked as Regional Director for Caribbean and Central America at ManpowerGroup. Prior to joining ManpowerGroup in 2013, Alberto served as Country Director for ZonaJobs.com in Mexico, Country Manager at Bumeran.com Colombia and Sales Director at Bumeran.com Venezuela.

Alberto holds a degree in Business Administration from Nueva Esparta University of Venezuela and an MBA from the University of La Laguna, Spain. His academic development includes a major in Marketing Services by the Catholic University Andres Bello-Venezuela, a diploma in Management Skills Development by the Tecnológico de Monterrey-Mexico, and a diploma in Senior Management from IPADE-Mexico. He has also been a university professor of Finance, Marketing and Project Evaluation.



Rhonda Barnet

*AVIT Manufacturing
President & Chief Operating Officer*



Rhonda Barnet is the President & Chief Operating Officer of AVIT Manufacturing (a division of Steelworks Design), an engineering and custom automation firm co-founded with her husband, Don Barnet.

An ardent supporter of Canadian Manufacturing and Exporting, Rhonda was appointed the first female Chair in history of the National Board of the Canadian Manufacturers & Exporters (2016-2018). She maintains an active schedule of government and industry engagements, including functions in Germany, Holland, China, Mexico, the United States, and Canada. Further appointments include the Federal Advanced Manufacturing Strategy Council and most recently, Board Member of Next Generation Manufacturing Canada, one of the 5 Canadian Super Clusters to deliver \$950M of federal innovation funds. Rhonda currently serves CME in the role of Past Chair and newly appointed as the Chair of The Workforce of the Future. In 2018 Rhonda launched CME's "We Can Do It" Campaign, an initiative funded by the federal government to add 100,000 women to the manufacturing workforce over the next five years. Rhonda is a regular spokeswoman on diversity, women in manufacturing, skills and the future workforce.

Rhonda believes in the value of mentorship and upholds the philosophy "If you can see me, you can be me."





Francisco Betti

*World Economic Forum
Head of Advanced Manufacturing Industry*



Francisco joined the World Economic Forum in May 2015. He is an international development professional and is currently leading the platform for Shaping the Future of Advanced Manufacturing and Production, which was launched by the Forum at its Annual Meeting 2017, upon request of world leading governments and companies. The platform is helping global leaders anticipate how advanced manufacturing technologies are transforming factories, business models and partnerships, and to understand the implications for the economy, society and environment in order to shape a more inclusive future. Prior to joining the World Economic Forum, Francisco worked for PricewaterhouseCoopers SA in Geneva, Switzerland, primarily running management consulting projects for international organisations.



Vincenzo Boccia

*Confindustria
President*



Vincenzo Boccia was elected the 30th President of Confindustria on May 25th 2016.

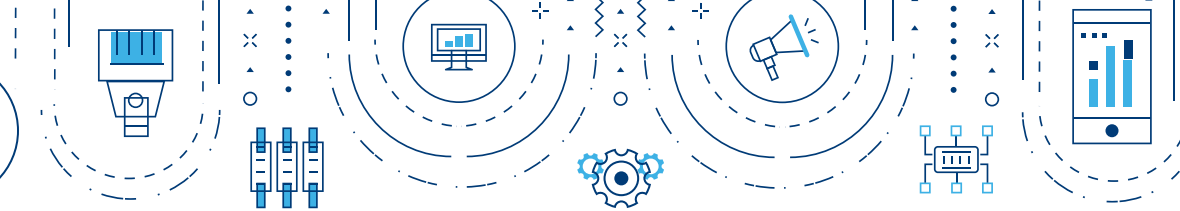
Born in 1964, he graduated in Economics and is the CEO of Arti Grafiche Boccia S.p.A., a company which has its headquarters in Salerno, operating for over 50 years in the graphic industry, in particular in the printing of specialized periodicals, newspapers, books and pamphlets for large retailers.

In the early 90s, he was member of the Young Entrepreneurs of Confindustria, and became their Vice President in the year 2000. He was later President of Confindustria Assafrica & Mediterraneo and member of the Council and the Executive Council of Assografici.

From 2009 to 2013, he was President of Confindustria's Piccola Industria, the Organisation of Confindustria focused on SMEs growth and policies.

Until May 2016, he also led the Technical Committee for Credit and Finance.





Tony Bond

Great Place to Work
Executive Vice President & Chief Innovation Officer



Tony Bond is the Executive Vice President and Chief Innovation Officer of Great Place to Work, the global research and analytics firm that produces the annual Fortune 100 Best Companies to Work For list, the World's Best Workplaces list, the 100 Best Workplace for Women list, the Best Workplaces for Diversity list and dozens of other distinguished workplace rankings around the world. He serves a key role in shaping the organisation's culture transformation work. A strategic thinker and innovator, Tony has served as a trusted advisor for executives at some of the most successful global organizations including, AT&T, Daimler, Volkswagen, Coca-Cola, and The Dow Chemical Company. He has helped companies navigate transformational change, people & culture change, mergers and acquisitions and other initiatives impacting culture and human capital. His consulting expertise is backed by over 20 years of diverse leadership experience with a Fortune 100 company and he is adept at providing strategic advice across industries.



Marco Bonometti

Confindustria Lombardia
President



Marco Bonometti is President and CEO of Officine Meccaniche Rezzatesi (OMR) and President of Confindustria Lombardia since November 2017.

Belonging to the third generation of entrepreneurs of his family, he started in 1977 in his family's business, located in Rezzato (Brescia - Italy), continuing at the same time to attend university and get his degree in Mechanical Engineering at the Politecnico di Milano. Under his lead, the business founded in 1919 by his grandfather has developed into a worldwide group with over 3,000 employees and a turnover of 570 million Euros. OMR's core business is parts and components for the automotive, industrial vehicles and heavy equipment industries. The company also operates in the health, real estate and financial services sectors. As regards the company's core business, OMR's main clients are Ferrari, FIAT Chrysler and VW Audi, Mercedes, BMW, General Motors, Ford, Renault, Peugeot, Iveco, John Deere, Dana, Caterpillar, Rotax, Piaggio, Same and CNH. Today OMR has 10 production facilities in Italy (3 in Lombardy, 4 in Emilia, 1 in Abruzzo, 1 in Piedmont and 1 in Trentino) and 6 abroad (2 in Brazil, 1 in Morocco, 1 in China 1 in India e 1 in North America).





Mireia Borrell Porta

Generalitat de Catalunya
Secretary for Foreign Affairs and the European Union



Born in 1985 in Balaguer, Catalonia

Ph.D. in European Political Economics from the London School of Economics (LSE) European Institute. B.A. in Economics from the Pompeu Fabra University (UPF) and M.A. in European Political Economics from the LSE European Institute.

Before assuming the position of Secretary for Foreign Action and the European Union, she was the Director General for Foreign Relations. Previously, she was a Teaching Fellow in European Political Economy at the LSE; courses: The Political Economy of European Welfare States, as well as Interest Representation and Economic Policy in the EU. Winner of the European Institute's Class Teacher Award 2018.

She also was a Postdoctoral Research Officer at the University of Oxford - in a social policies program for UK families, and a Junior Auditor at Ernst & Young in Barcelona. Traineeship at the Directorate-General of Internal Policies, Committee of Regional Development, European Parliament. Guest speaker at the Glasgow Economic Forum 2018.

She is publisher and collaborator of the economics and social affairs digital magazine 'Ekonomicus', as well as author and co-author of several publications on social economics, public health, welfare and family, and trade.



Giovanni Brugnoli

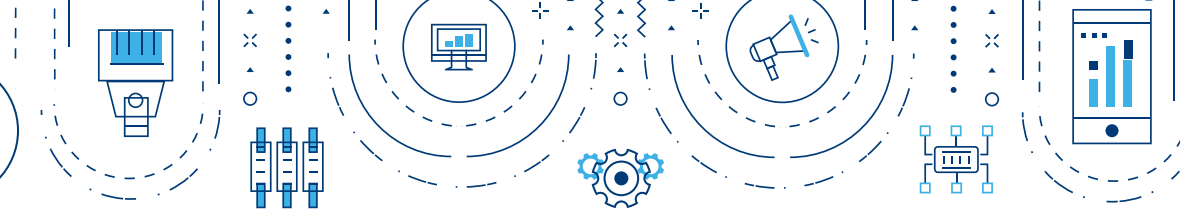
Confindustria

Vice President for Human Capital



Giovanni Brugnoli was born in Busto Arsizio in 1970 and is married with three children. In 2004 he became Chairman of the Board of Directors of Tiba Tricot Srl of Castellanza, a leading company in the production of indomitable fabrics for sportswear, industrial fabrics and furnishings. Always engaged in entrepreneurial associations, he was President of the Industrialists Union of the Province of Varese from 2011 to 2015 and in 2016 became Vice President for Human Capital in Confindustria. He has been member of the General Council of Confindustria since 2009. Among others, Giovanni Brugnoli is Member of the Board of Directors of the Carlo Cattaneo University - LIUC since 2010 and of the Board of Directors of the Association for LIUC since 2009. He became specialist consultant of the CNEL (National Council for Economics and Labour) in October 2017.





Andrea Cabrini

Class Cnbc
Director



Andrea Cabrini is the Managing Editor of ClassCnbc, the Italian branch of Cnbc.

He's also Co-Managing Editor of Milano Finanza, Italy's premier financial magazine, coordinating digital and print platforms.

Cabrini is a financial journalist and anchor with three decades of experience covering the economy, global markets, and the banking and asset management industry.

He anchors a weekly talk show, "Partita Doppia", dedicated to business, politics and finance.

He is also curator of a multimedia project on digital transformation "Italia 4.0".

He is a moderator of financial Italian and international events, including G7 multistakeholder conferences, Global Economic Solutions forums etc.

Prior to joining Class Editori, Andrea Cabrini has been working for ten years as Editor in Chief and anchor at Mediaset, the first private media company in Italy.

He left in 2000 to start ClassCnbc and to develop the broadcasting activities of Class Editori.

He studied Political Sciences at the Università degli Studi di Milano and became journalist after a master at IFG, Istituto per la Formazione al Giornalismo, in 1986. He is 54 years old, lives in Milan and has two sons.



Lourino Chemane

*Ministry of Science and Technology (Mozambique),
Higher and Technical & Professional Education
ICT Adviser*



Lourino Chemane is a Professor at the Faculty of Engineering of Eduardo Mondlane University in Mozambique since 2015 where he was researcher and lecturer since 1993 covering the following subjects: Computer Networks, Control Systems, Administration of Computer Systems, and Digital Systems. He is the ICTs Adviser to the Minister of Science and Technology, Higher and Technical & Professional Education of Mozambique and is the Chief Executive Officer (CEO) of the Mozambique Research and Education Network (MoRENet) since 2015, a network that covers 156 institutions of research, higher education, and vocational training.

He was the Coordinator of the Mozambique eGovernment and Communications Infrastructure Project from 2009 to 2016, a project funded by the World Bank supporting ICT Infrastructure development and capacity building. He was the ICT Chief Technical Adviser at the ICT Policy Implementation Technical Unit (UTICT) from 2002 to 2009. In 2011 he completed his PhD in Computer and Systems Science at the University of Stockholm, in 2007 a Master Degree in eGovernment at EPFL, and in 1998 the Master Degree in Electronic Engineering at the University of Pretoria, in 1993 a degree in Electrotechnical Engineering from Eduardo Mondlane University in Mozambique. In 2018, he joined the Africa Innovation Leaders training programme funded and supported by the Italian Government and implemented by Politecnico di Milano and Politecnico di Torino.





Andrea Chiesi

Chiesi Group

Director R&D Project & Portfolio Management



Andrea Chiesi was born in Parma on 15 July 1967. Married, with a daughter. Degree in Chemistry and Pharmaceutical Technologies at the University of Parma in 1992.

He joined the company in 1993 as analyst in Pharmaceutical Technology Labs., became Project Leader in 1997 bringing to the market Pulvinal®, an innovative dry powder inhaler, and Head of the Research Planning and Control function in 1999.

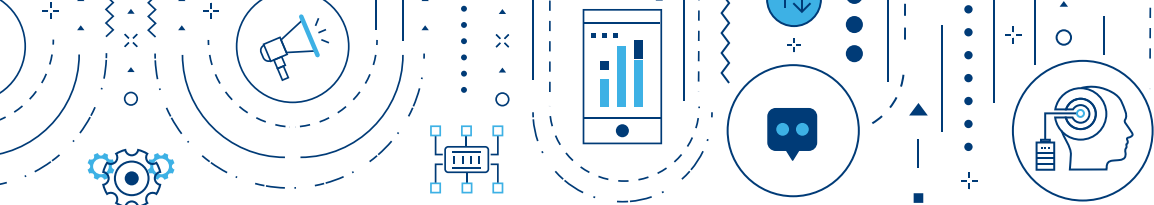
In 2006 he obtained an Executive MBA from the London Business School and Columbia University. After having held various operational positions in the field of R&D, in 2009 he became the director of the R&D Portfolio Management Dept.

In 2008 he founded - together with Graziella Pellegrini and Michele De Luca - Holostem Terapie Avanzate srl, a spin-off of the University of Modena and Reggio Emilia and of the Chiesi Group, active in the field of advanced therapies, with which Chiesi registered Holoclar®, the first European stem cells-based pharmaceutical product.

He is president of the High School of Music "Conservatorio Arrigo Boito" of Parma and of the cultural association Footprint.

He is a member of the Board of Directors of ArTER, of Confindustria Emilia Romagna Ricerche and of the Prometeo Foundation for the Arts.

Member of the Consortium Assembly of the International Rare Disease Research Council (IRDIRC) and of the Confindustria Technical Research & Innovation Group.



Lloyd F. Colegrove



*Manufacturing and Engineering
The Dow Chemical Company
Director, Data Services
Director, Fundamental Problem Solving
Manufacturing 4.0 Platform Lead, Analytics*

Lloyd F. Colegrove is the Director of Data Services and Fundamental Problem Solving for Dow. He also is the Analytics Platform Director for Dow's Manufacturing and Engineering's Industry 4.0 program – an expansive program to engage in leading-edge analytics programs across the manufacturing enterprise and allied functions. His desire for novel approaches to data interpretation (contextualization), and integration of these capabilities into assessing the health and capability of manufacturing assets has coalesced into the piloting, then implementation, of an enterprise data analysis and collaboration space that would tie multiple plants together with the Technology Center and R&D resources to trouble shoot in real time, or preemptively detect and alert plant trouble well before crisis. This work has been reviewed in numerous industry publications including Automation World, Processing, ARC web and CEP (AIChE). The enterprise manufacturing intelligence platform has been recognized with a 2014 Kinetics process award, a 2015 Golden Mousetrap Award, and the 2015 and 2016 Frost and Sullivan Manufacturing Leadership awards in Big Data and Analytics and the "High Achiever Award" in Big Data and Analytics for 2016 from Frost and Sullivan in Analytics. EMI also received the 2014 and 2015 Kinetics Process Award for innovation.

Lloyd's background is in Chemical Physics where he obtained a B.S. and Ph.D. from Texas A&M University. He spent 7 years in Polymer Research in Dow (R&D and TS&D) before moving into Manufacturing in an Analytical Improvement role and then a Quality Leader for five Dow businesses before moving to establish a new capability called Fundamental Problem Solving, where top chemists and engineers work on complex, often multi-effect, plant problems. With this established, he refocused his efforts working to establish the data initiatives that support this work. Lloyd is married with two daughters and is an avid cyclist, hiker and landscaper.





Dennis Darby

*Canadian Manufacturers & Exporters
President & Chief Executive Officer*



Dennis joined CME in 2017 after nine years as CEO of the Ontario Pharmacists' Association and a 24 year-long career in senior management at Procter & Gamble, including leadership roles in the US and Europe.

Dennis graduated from McMaster University in 1984 with a degree in Chemical Engineering and Management, and he is a registered Professional Engineer in Ontario. He is an accredited corporate director, having received his ICD.D designation in 2011. He has served on a number of industry and charity boards as both director and Chair.



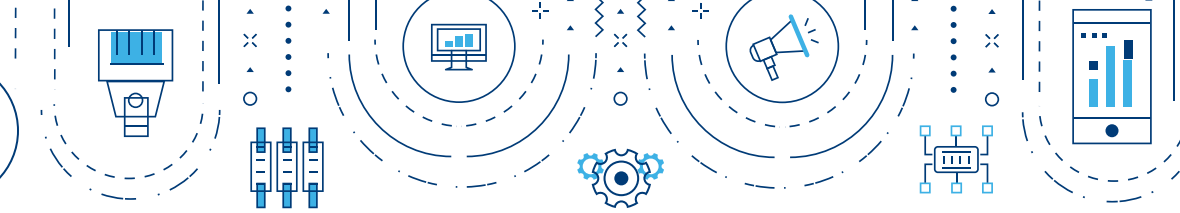
Thérèse de Liedekerke

*BusinessEurope
Deputy Director General*



Thérèse de Liedekerke is BusinessEurope Deputy Director General since 2014. She studied political sciences at Brussels University and international economic relations at the London School of Economics. She joined BusinessEurope's External Relations department in 1990, moved to the Social Affairs department in 1993, becoming its director in 1996, and was Managing Director from 2008 to 2014.





Attilio Fontana

*Regione Lombardia
President*



Attilio Fontana was born in Varese on 28 March 1952. He is the father of three children - Maria Cristina, Giovanni and Marzia - a criminal lawyer and the owner of a law firm located in Varese since 1980; he graduated in Law in 1975 at the University of Milan.

From 1979 to 1982 he took on the office of Conciliator of Induno Olona and from 1983 to 1988 he served as Honorary Assistant Magistrate in the District Court of Gavirate.

From 2009 to 2017 he was a member of the Board of Directors and Deputy Vice Chairman of Fiera Milano.

His political activity began with the birth of the Northern League; from 1995 to 1999 he was mayor of the municipality of Induno Olona; in 2006, he was elected mayor of Varese in the first round and re-elected in 2011; in these years he also held the role of President of ANCI Lombardia (from 2009 to 2014); then he became regional councillor of the Lombardy Region and President of the regional council from 2000 to 2005.

In 2018, he accepted his candidacy as President of the Lombardy Region and won the elections on 4 March with 49.75% of the votes.



Nadine Girault

*Ministry of International Affairs of Quebec
Minister*



Before entering politics, Nadine Girault worked in the competitive field of Information Technology/electronics sales. She then worked for the Montréal Urban Community's police department, where she developed a unique proactive training concept for its 2,500 officers and commanders. Over the course of the following 15 years, Ms. Girault held leadership positions at a number of major financial institutions, where she earned a reputation as an agent of change skilled at instilling a culture of performance by aiming for high standards, while remaining focused on customer needs. She also worked as a leadership, marketing and business development consultant.

Nadine Girault holds a BBA with a major in finance and marketing from HEC Montréal. She was awarded a Silver Medal in 2002 for her MBA in financial services from Université du Québec in Montréal.

Ms. Girault is very involved in her community and was an active member of numerous committees and boards of directors for various organisations, including Investissement Québec, Fonds de solidarité FTQ, École supérieure de ballet du Québec, Fondation de l'Hôpital Jean-Talon, the Hôpital Maisonneuve-Rosemont Foundation, 24h Tremblant and Association des femmes en finance du Québec.

Nadine Girault was elected MNA for Bertrand on October 1, 2018, and was appointed Minister of International Relations and La Francophonie on October 18, 2018.





Jeroen Heijs

*Ministry of Economic Affairs and Climate Policy
(The Netherlands)
Director at the Department of Topsectors
and Industrial Policy*



Mr. Jeroen Heijs is member of the board of directors of the Department of Top Sectors and Industrial Policy at the Ministry of Economic Affairs and Climate Policy in the Netherlands. Within this Directorate he is responsible for the policy strategy unit and for the industrial sectors High Tech Systems and Materials, Logistics, Creative Industry and Construction and Building Industry and the Smart Industry.

In 2018 the new agenda of the Dutch public private initiative Smart Industry was launched. The digitization of industry, or Smart Industry, is being driven by the development of new ICT and manufacturing technology. This is having a far-reaching impact on industry, from large businesses to SMEs. Securing a position in the vanguard of industrial digitization is crucial for jobs, future economic growth and the sustainability of industry. Jeroen Heijs is member of the highest governing level (Steering Board) of the National Smart Industry Program and in his presentation he will address the first results of the new agenda, demonstrate the role of our national policy and elaborate on the collaboration in the public-private effort of Smart Industry.

Before he moved to the Ministry of Economic Affairs, Mr. Heijs was active in various management positions in Enterprise Netherlands, the Dutch Innovation Agency. He also was member of the steering board of TAFTIE, the European Network of Innovation Agencies and various advisory committees on innovation and industrial policy in Sweden, Belgium and Austria.

Mr Heijs holds a degree (1988) in Economic Geography at Radboud University Nijmegen and at the Netherlands School for Public Administration (2007).



James E. Heppelmann

PTC

President and Chief Executive Officer



James (Jim) Heppelmann is the president and chief executive officer (CEO) of PTC, responsible for driving the company's global business strategy and operations. During Mr. Heppelmann's leadership tenure, PTC has assembled the industry's leading industrial innovation platform and field-proven solutions and services that enable companies to design, manufacture, operate, and service things for a smart, connected world. He also serves on PTC's Board of Directors.

Mr. Heppelmann has emerged as a driver and thought leader in industrial innovation. Together with Harvard Professor Michael E. Porter, he has co-authored three highly influential articles regarding the transformational impact of the Internet of Things (IoT) on business, including the November 2014 Harvard Business Review cover story "How Smart, Connected Products are Transforming Competition," and the companion "How Smart, Connected Products are Transforming Companies" published in the October 2015 Harvard Business Review. Their third Harvard Business Review collaboration, published in November 2017, "A Manager's Guide to Augmented Reality," is a collection of articles that define why every organisation needs an Augmented Reality (AR) strategy. Mr. Heppelmann was named one of "7 IoT Leaders to Watch in 2017" by Hewlett Packard Enterprise and has previously been recognized as "IOT CEO of the Year" by PostScapes, "Technology CEO of the Year" by the Massachusetts Technology Leadership Council, and received the "CAD Society Leadership Award" for his work with the Internet of Things. A dynamic speaker, Mr. Heppelmann has been featured as a keynote presenter at the National Association of Manufacturers (NAM) events on topics such as "How Smart, Connected Products Are Redefining Manufacturing" and was a featured speaker on "the role of digitization in America's advanced industries" at the Brookings Institution. He has been published and quoted in numerous global business and trade media, including The Wall Street Journal, Forbes, and Bloomberg Businessweek.





Renate Hornung-Draus

*Confederation of German Employers' Associations (BDA)
Managing Director*



Renate Hornung-Draus is Managing Director for European and international affairs of the Confederation of German Employers (BDA). She represents the employers' views vis-à-vis the European institutions (European Commission, EP, Council) and the international organisations (ILO, OECD, UN Organisations), and provides advice and services to member organisations and companies on European and international issues, such as European works councils, international framework agreements, corporate social responsibility, labour law and industrial relations issues etc. She has developed a wide range of bilateral contacts and networks with other countries.

She is Chair of the Committee on Employment, Labour and Social Affairs of the Business and Industry Advisory Committee to the OECD, Vice-Chair of BusinessEurope's Social Affairs Committee, Vice President of the International Organisation of Employers (IOE) and Employer-Vice-Chair of the ILO Governing Body Subcommittee on Multinational Enterprises. From 1996 to 2006 she was Vice-Chair of the Employers' group of the European Economic and Social Committee. Furthermore she is member of the Advisory Boards of the Birmingham Business School (Birmingham University), of the Institute for Labour Law and Industrial Relations in the European Union (IAAEU, Trier University) and of the "Gesellschaft für Europäische Sozialpolitik e. V. (GES)". Previously she was Director of Social Affairs at BusinessEurope (1992-1994) and Director of the BDA's EU-representation, which she has set up in Brussels (1990-1992). She has numerous publications in the field of European social policy and industrial relations and holds a degree in Economics from the University of Freiburg im Breisgau (Germany).



Mehmet Fatih Kacir

*Ministry of Industry and Technology (Turkey)
Deputy Minister*



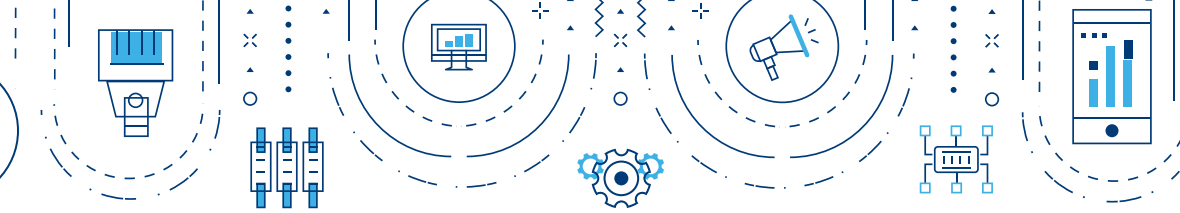
Mehmet Fatih Kacir was born in İstanbul in 1984. He had completed his secondary and high school education at İstanbul Erkek High School (IELEV Schools). He ranked as of 12th among all students in Turkey at the university entrance exam held in 2003. He had completed his higher education (BSc) as "Honor Student" at Boğaziçi University Industrial Engineering in 2008. He was student representative during his university years. He also pioneered multi-disciplinary research and PMI (International Project Management Institute) project management courses.

Having graduated from the University, he preferred to be an entrepreneur at various sectors. He founded and managed several firms in software and hardware of simulations, cyberspace applications, and digital open-air advertising and food sectors. He led his way in an innovative style by developing utility models and industrial designs.

He was also an active member of N.G.O.s as he was very well-known from his business life. Being one of the founders of Turkish Technology Team Foundation (T3 Foundation), he served as CEO of the same Foundation. Within the scope of T3 Foundation, Kacir initiated "try&do" technology plants, launched the Future Technology Stars program for gifted children, start-up programs of Science and Entrepreneurship Centers. He also pioneered "Technofest İstanbul" of which is the first festival on aviation, space and technology in Turkey.

He was appointed as Member of Science Council at the Scientific and Research Council of Turkey (TÜBİTAK) in 2018. He serves as the deputy minister at the Ministry of Industry and Technology of Turkey. Acting as an executive director at his business life, Kacir is fluent in German and English. He is married and has two children.





Bruce Kramer

*National Science Foundation
Senior Advisor*



Bruce Kramer is a graduate of MIT (S.B., S.M., Ph.D) and has served on the faculties of Mechanical Engineering of MIT and George Washington University. He is currently a Senior Advisor at the National Science Foundation, coordinating NSF's participation in the National Advanced Manufacturing Program. Dr. Kramer previously directed NSF's Divisions of Design, Manufacture and Industrial Innovation and Engineering Education and Centers. He co-founded Zoom Telephonics of Boston, a NASDAQ company and producer of communications products marketed under the Zoom and Motorola brands, holds three U.S. patents, and is a Fellow of the Society of Manufacturing Engineers and an International Fellow of the School of Engineering of the University of Tokyo. He has received the F.W. Taylor Medal of CIRP, the ASME Blackall Award, and the R.F. Bunshah Medal of the ICMC for his contributions to manufacturing research and the Distinguished Service Award, the highest honorary award granted by the NSF.



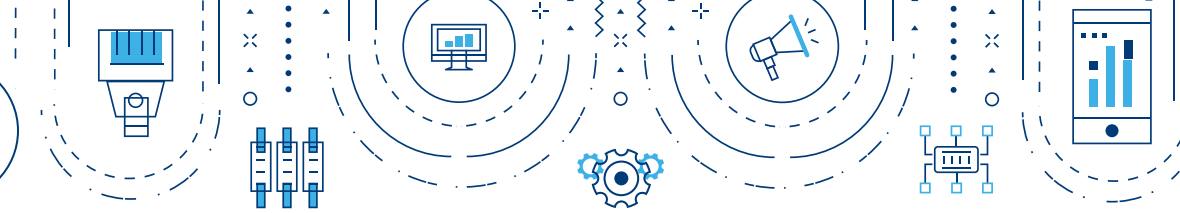
Jeong-Seok Lee

*Sungkyunkwan University, Associate Professor
POSCO, Fellow Professor*



Dr. Jong-Seok Lee is currently an Associate Professor of the Department of Systems Management Engineering at Sungkyunkwan University, in charge of the InfoScience Laboratory. Prior to joining Sungkyunkwan University, he was with the JMP Research and Development Group, SAS headquarters in USA, for statistical software development. His research interests include the intersection of big data analytics, machine learning, artificial intelligence and their application to manufacturing industry. Dr. Lee is also a POSCO Fellow Professor. He has recently developed the smart solution for coating weight control based on artificial intelligence that greatly contributed to recognizing POSCO as one of the Lighthouse Factories by the World Economic Forum. His research group is now developing new solutions to make other processes smart and intelligent in steel industry for the purpose of building truly intelligent factories at the POSCO steelworks. Dr. Lee earned his BS and MS from Inha University and Pohang University of Science and Technology, respectively. He received the Ph.D. degree in industrial engineering from Iowa State University.





Max Lemke

European Commission

*Head of Unit for Technologies and Systems for Digitising Industry,
DG Communications and Networks, Content and Technology*



Dr. Max Lemke is the Head of Unit for "Technologies and Systems for Digitising Industry" in Directorate General CONNECT of the European Commission. He has a leading role in coordinating the Digitising European Industry strategy. Further Max is involved in the European Strategy for Artificial Intelligence and the preparation of the new programmes proposed for the next Multi-annual Financial Framework of the European Union, foremost the Horizon Europe and the Digital Europe programmes.

In the European Commission's Research and Innovation Programme HORIZON 2020, Dr Lemke is responsible for the areas embedded and cyber-physical systems, advanced computing, and ICT for manufacturing. He is co-responsible in CONNECT for the Joint Technology Initiative ECSEL (Electronic Components and Systems for European Leadership) and the Public Private Partnership Factories of the Future. In the latter context he has gradually built the initiatives I4MS (ICT Innovation for Manufacturing SMEs) and Smart Anything Everywhere. He is particularly devoted to establishing a pan-European network of digital innovation hubs covering all of Europe and to strengthening European leadership on digital industrial value chains and platforms.

Dr. Lemke has worked in various areas in the European Commission Research and Innovation Programmes since 1995. Before joining the Commission, Max has worked in research and industry in Germany, the US, and the UK. With a Doctorate in Natural Sciences, he has a scientific background in numerical mathematics, parallel computing, and software engineering.



Esther Lynch

*ETUC
Deputy General Secretary*



Esther Lynch was elected ETUC Deputy General Secretary at the Vienna Congress in May 2019, after four years as Confederal Secretary. She has extensive trade union experience at Irish, European and international levels, starting with her election as a shop steward in the 1980s. Before coming to the ETUC, she was the Legislation and Social Affairs Officer with the Irish Congress of Trade Unions (ICTU), where she took part in negotiations on Ireland's National Social Partner Agreements.

Esther's responsibilities as Deputy General Secretary, include social dialogue, collective bargaining and wage policy, trade union rights, gender equality and Brexit.

As Confederal Secretary she ran a successful EU-wide online campaign 'Social Rights First' that mobilised support for the European Pillar of Social Rights, led ETUC lobbying actions aimed at improving workers' rights in legislative initiatives such as the Transparent and Predicable Working Conditions Directive and the Whistleblowing Directive, she spearheaded the ETUC's 'Europe Needs a Pay Rise' campaign and helped secure the EU's adoption of legally binding occupational exposure limits to protect workers from exposure to carcinogens, as well as a social partners' agreement on reprotoxins.





Olga Memedovic

UNIDO

*Deputy Director and Chief of Business Environment,
Cluster and Innovation Division*



Holds a Ph.D. degree in Economics from Erasmus University Rotterdam.

Since 2000, served UNIDO as Senior Industrial Development Officer in the Strategic Research and Economics Branch, the Private Sector Development Branch, as a Chief Europe and Central Asia, and as Officer-in-Charge for Strategic and Coordination Department. With UNIDO, managed and led various projects in the fields of international trade, international economics, public economics, industrial and economic development, industrial organisation, regional development, energy, environment and global governance: Coordinated a multidisciplinary team of more than 1000 international experts, which resulted in over 50 publications, several flagship reports and policy documents. Contributed to formulating and designing industrial strategies, policies and development programs for EU, Middle East and Africa and how to use science, technology and areas of innovation as spatial industrial policy tool for fostering inclusive and sustainable industrial development. Author and main editor of several books and journals, including Public Goods for Economic Development; On Theory and Measurement of Comparative Advantages; Transition in Central and Eastern Europe: Implications for Developing Countries; Globalisation of Labour Markets; Multilateralism and Regionalism in the Post Uruguay Round Era; and International Journal of Technological Learning and Development. Author and co-author of many reports, articles and studies on the impact of WTO Agreements, globalisation and migration, labour and environmental standards, technical barriers to trade, competitiveness, comparative advantages, global value chains and production networks, regional innovation systems, social entrepreneurship and Industry 4.0, and industrial policy issues. Regularly invited to provide keynote speeches and presentations at high-level global fora, and also organised several such forums, attracting high-level policy makers and academics from multidisciplinary fields.



Dov Moran

*Grove Ventures
Managing Partner*



Dov is the managing partner of Grove Ventures and one of Israel's most prominent hi-tech leader, entrepreneur and investor. He is known as a pioneer of several flash memory technologies, most notably as the inventor of the USB flash drive.

Dov was a founder and CEO of M-Systems (NSDQ: FLSH), a world leader in the flash data storage market. Under Dov's leadership, M-Systems grew to \$1B revenue, and was acquired by SanDisk Corp (NSDQ: SNDK) for \$1.6B. This ranks as one of the biggest acquisitions in Israel.

Dov has invested in many successful start-ups in the digital health, media, SaaS and IoT sectors. He currently serves on the boards of Glucose, Rapid API, TriEye and Neuroblade, and was previously the Chairman of Tower Semiconductors (NASDAQ:TSEM).

Dov is one of the most famous and highly appreciated hi-tech leaders in the world with many prestigious awards, such as IEEE Reynold B. Johnson Information Storage Systems Award and Edward Rheine Award (Nobel Prize for technology) and is the inventor of over 40 patents.

Dov holds a Bachelor of Science degree in Electrical Engineering at the Technion, Israel Institute of Technology, in Haifa.





Sardar Ahmad Nawaz Sukhera

*Ministry of Commerce (Pakistan)
Secretary of Commerce*



An officer of the Pakistan Administrative Service, Mr. Sukhera joined as Secretary Commerce on March 28, 2019. Earlier, he was serving as Secretary Board of Investment since November 14, 2018., Secretary, Ministry of Information, Broadcasting and National Heritage, Managing Director, Pakistan Television Corporation and Chairman of Pakistan Broadcasting Corporation and Associated Press of Pakistan, from March 2017 to October 2018, and Secretary, Privatization Division from April, 2014 to March, 2017.

He joined the Civil Service of Pakistan in 1985, and in his career served as CEO of SMEDA, Deputy Commissioner in Faisalabad (1995-96), and Sheikhpura (2000-01), Principal Secretary to the Governor Punjab (2008-11), PSO to Chief Minister, Punjab (1994-95) and Faculty Member at the National School of Public Policy (2011-12), Secretary (Implementation & Coordination) – 2005-08, Additional Finance Secretary (Budget & Development) – 2003-05, Chief, External Capital Assistance (1996-97), and Project Director of the ADB Funded Project Technical Education Project (1998-99).

He earned his MPA degree from Harvard University (1994), MA (Development Economics) from Williams College (1993), BSc (Hons) degree in Economics, specializing in Industry & Trade, from the London School of Economics (1983). He has attended executive courses in Investment Appraisal & Management, Infrastructure in Market Economy, and Public-Private Partnership for Infrastructure Development, at the Harvard University, and Budgeting & Financial Management in Public Sector at the Duke University.

He taught economics at the undergraduate level at Harvard University (1993-94). He was a fellow of the Centre for Development Economics at Williams College (1992-93) and Edward S. Mason fellow at the John F. Kennedy School of Government, Harvard University (1993-94). He is also an awardee of the World Bank Graduate Scholarship Program (1992-94).

He is a keen sportsman, playing cricket for, and captaining, Aitchison College, LSE & University of London. He is also a club level golfer.



Jun Ni

*University of Michigan
Professor and Director*



Professor Jun Ni is the Shien-Ming (Sam) Wu Collegiate Professor of Manufacturing Science and Professor of Mechanical Engineering at the University of Michigan, USA. He is the director of the Wu Manufacturing Research Center and the co-director of a National Science Foundation sponsored Industry/University Cooperative Research Center for Intelligent Maintenance Systems (IMS). He is a founder and Chairman of a technology startup, Advanced Intelligent Maintenance Systems (AIMS) in Hangzhou, China. From 2006 through 2014, he served as the founding Dean of the University of Michigan – Shanghai Jiao Tong University Joint Institute located in Shanghai, China and is currently the Honorary Dean. Since 2010, he has been actively involved with the World Economic Forum (WEF). Currently, he is the Chairman of the Global Future Council on Advanced Manufacturing and Production at the WEF (Davos Forum). Professor Ni has been invited to serve on advisory boards or expert panels for various government agencies in United States, China, Taiwan, South Africa and South Korea. He participated on many expert review panels for the National Science Foundation. Professor Ni served as the Deputy Director of the National Science Foundation Engineering Research Center for Reconfigurable Manufacturing Systems. Professor Ni's research covers many topics in advanced manufacturing, including quality assurance, precision manufacturing, intelligent maintenance systems, industrial big data analytics and the applications of industrial AI. Selected honors and awards that Professor Ni received are 2015 Stephen Attwood Excellence Award in Engineering, the University of Michigan, 2014 Alexander Schwarzkopf Award for Technology Innovation by National Science Foundation, USA, 2013 International Science and Technology Cooperation Award from the President of People's Republic of China, 2013 Gold Medal from Society of Manufacturing Engineers, 2013 S. M. Wu Research Implementation Award from North American Manufacturing Research Institute, 2009 Ennor Manufacturing Technology Award from American Society of Mechanical Engineers, and 1994 Presidential Faculty Fellows Award from President Clinton. He is an elected Fellow of International Society of Engineering Asset Management, International Society for Nanomanufacturing, American Society of Mechanical Engineers, and Society of Manufacturing Engineers.





Josef Nierling

*Porsche Consulting S.r.l., Milan
Managing Director*



Josef Nierling, PhD in Management with an Italian-German origin, holds the position of CEO at Porsche Consulting in Milan since august 2014.

In Porsche Consulting since 2006, Nierling has been responsible for customers in many sectors in Europe, USA and Asia; in particular by supporting leading companies in the automotive, home appliance and fashion industry.

Furthermore, Nierling has been directly involved in re-defining strategies and organisation structures, focusing on growth plans and performance increases, as well as leading successful turnarounds.

Josef Nierling has 20 years of international experience in the creation of strategic competitive advantages and in the organisation of national and multinational companies. He began his career in 1997 at the Fraunhofer Institute in Berlin, and before arriving in Porsche Consulting, was for several years CFO assistant at the Robert Bosch, where he supported the start-up of production of the Common Rail in Italy and was controller for the Automotive Aftermarket and Thermo-technology.



Joyce Njogu

*Kenya Association of Manufacturers
Head of Consulting*

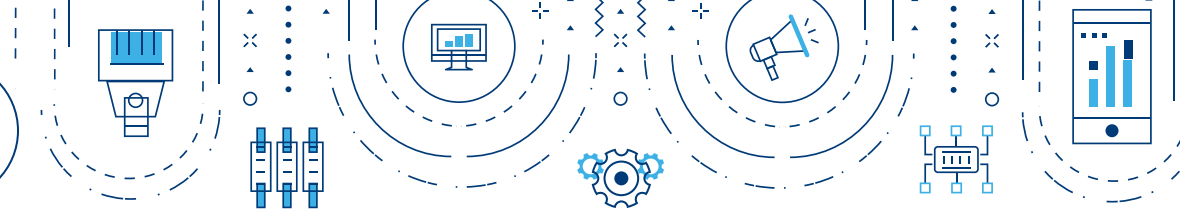


Ms. Joyce Njogu is currently the Head of Consulting at Kenya Association of Manufacturers (KAM) since April 2015. Her role is mainly providing leadership and oversight to the business development and consultancy initiatives in the Manufacturing sector in Kenya. This involves driving strategy and growth for businesses, Enterprise development, Internationalization programmes for Market and Financial linkages with various partners locally and internationally, capacity building, skills development and employment programs, Corporate governance and policy advocacy specifically on SME development, Resource Efficiency, climate change mitigation and adaptation, Technical vocational and Competency based education and training and championing sustainable development goals (SDGs) in industry for the attainment of inclusive green and circular economic growth.

She is a member of the Chartered Institute of marketing (UK)- Chartered Marketer, Council Member of the Marketing Society of Kenya up till 2016, a Certified Business Coach of the Association of Executive Coaches (UK) and a Certified Professional Mediator (CPM) with Mediation Training Institute (EA). She is also the President of the Female Future Kenya Alumni under the Federation of Kenya employers focusing on leadership development; building women capacity to achieve business excellence at top echelon positions.

She is currently a member of the National Technical Advisory Committee developing Value Chain networks in 21 counties under the National Agricultural and Rural Inclusive Growth Project in the Ministry of Agriculture, member of the National Climate Change Action Plan 2018-2022 Taskforce, Member of the Low Emission and Carbon Resilient Development Technical Committee in the Ministry of Environment, She has served as an Advisory Board Member of The Public Procurement Regulatory Authority in Treasury as well as in the Kenya Labor Market Information System Steering Committee in the Ministry of Labor.





Afia Owusu-Forfie

Coders Who Travel, President
Women Who Code - Accra, Director



Ms. Afia Owusu-Forfie is a trained Computer Scientist, Statistician and Operations Researcher. She obtained two undergraduate degrees in Computer Science and Statistics from the University of Ghana in 2007 and Masters degrees in Statistical Science and Operations Research from George Mason University in 2012.

She is formerly a Risk/Data Analytics Consultant for the Advisory wing of the Deloitte & Touche LLP US firms, where she delivered analytical and modeling solutions for the Centers for Medicare & Medicaid Services and other clients. She also received quality trainings at the firm's flagship Deloitte University and Deloitte US HQ in New York.

As Senior Programmer Analyst II for Mathematica Policy Research (MPR), she served as Task Leader to produce a congressionally-mandated reports for the National Science Foundation. MPR also tapped her to create a Minority Internship Initiative for the Washington DC Metro area cluster of Universities.

In June 2016, Afia established the first sub-Saharan network, Women Who Code – Accra, which was covered by Trent Smith in the Huffington Post: Learning to Code is changing the lives of Ghana women. In December 2016, the British Broadcasting Corporation aired a segment that covered her work, Ghana's Women Who Code Network.

Inspired by her work, Afia's friends and colleagues helped her to establish The Coders Who Travel Foundation, a 501(c)(3), and Coders Who Travel Inc. The Foundation's mission is to inspire and advance the careers of individuals – Veterans, Women Returning to the Workforce, Coal Miners and the briefly Homeless in developed countries. It also exists to inspire an Adopt-A-Programmer campaign on behalf of middle-class tertiary Students & career Professionals, Faculty, and C-suite executives in the less developed regions of the world. The for-profit wing exists to encourage seasoned Programmers and Bridge-builders to travel and give back to the above underserved communities.



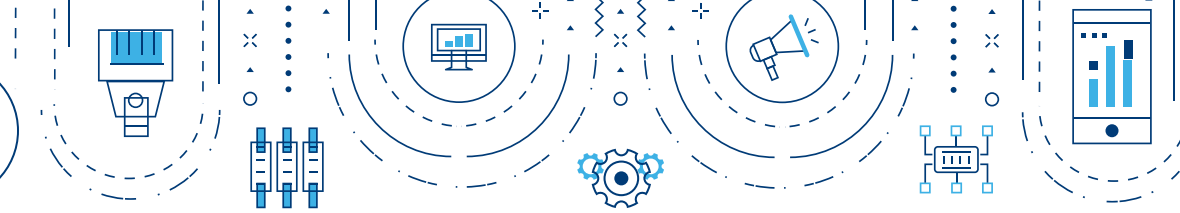
Claudia Pensotti

Class Cnbc
Journalist



Graduated from University of Texas with a degree in International Business. Claudia worked as financial analyst in Mergers & Acquisitions at J. Henry Schroder & Co. She has been at Class Editori since 2000 and has been a reporter for ClassCNBC, is market reporter covering the Italian market for CNBC and has coordinated Class Editori's lifestyle channel ClassLife.





Stéphanie Pernod Beaudon

*Région Auvergne-Rhône-Alpes
Vice President*



Stéphanie PERNOD BEAUDON was born October 13, 1978 in Bourg-en-Bresse. She grew up in Hauteville-Lompnes where she still lives.

Philosopher (aggregated), she made the choice to transmit this love of words in a vocational school (monitoring of young people in their internship projects etc.).

Mother of two young girls, she is known for her outspokenness and her oratorical skills.

She falls into politics a bit by chance during the 2001 municipal elections where she becomes, following the election of Bernard Argenti, deputy mayor.

Elected regional councilor in 2010, she chairs the group of the Right, the Center and related parties under the president of Jean-Jacques Queyranne.

In the 2015 elections, she is a member of Laurent Wauquiez's bodyguard, where she is Vice-President of Vocational Training and Apprenticeship. Most recently, she was entrusted with the sports portfolio. Faithful to her territory, she is elected member of the 3rd constituency of Ain until 2017.



Beniamino Quintieri

*SACE S.p.A.
President*



Beniamino Quintieri has been Chairman of SACE spa since June 2016.

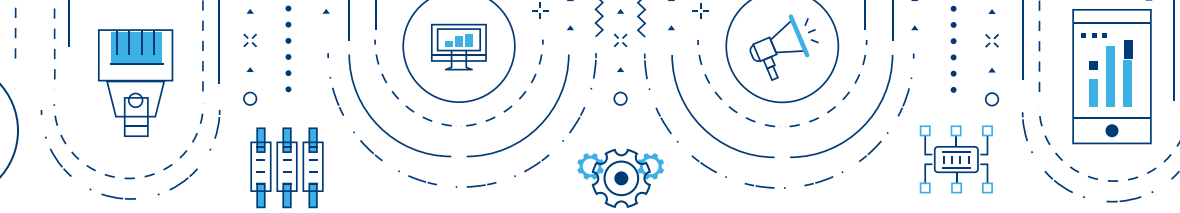
He is also full Professor of International Economics at the University of Rome Tor Vergata, Chairman of the Manlio Masi Foundation (National Observatory for Internationalisation and Trade) and Vice President of ANSPC (Associazione Nazionale per lo Studio dei problemi del Credito)

From 2001 to 2005 he served as President of the Italian Trade Agency (ICE) and held the position of Italian Government's General Commissioner for the 2010 Shanghai Universal Exposition.

He is the author or editor of 20 volumes and over 60 articles published in scientific journals on topics related to international economics, public finance, labor economics, macroeconomics and applied economics.

In 2005, President of the Republic Carlo Azeglio Ciampi awarded him the highest honor of Knight Grand Cross.





Leo Reddy

*Manufacturing Skill Standards Council (MSSC)
Chair, President and Founder*



Mr. Reddy is the Chairman, President and Founder of the Manufacturing Skill Standards Council (MSSC). An industry-led non-profit, MSSC is the U.S. national leader in preparing individuals with the core technical competencies needed in today's economy for front-line technicians in advanced manufacturing and distribution-logistics. MSSC offers Certified Production Technician (CPT), Certified Logistics Technician (CLT), and Certified Forklift (CFT) training and certification programs. An American institution, MSSC has a delivery system of 1500+ MSSC-authorized test sites and over 2500+ MSSC-trained instructors, most at community colleges and secondary schools, and 72 technical representatives in all 50 states. MSSC is the only national certification body in the United States to be accredited under ISO 17024 (Personnel Certification) and endorsed by the National Association of Manufacturers for both manufacturing and logistics.



Alberto Ribolla

World Manufacturing Foundation, President
Mecaer Aviation Group, President



Alberto Ribolla, born in 1957, graduated in Chemical Engineering at Politecnico di Milano. Shareholder of Sices 1958 S.p.A., he is member of the Board of Directors and President of the subsidiary company Pensotti FCL S.p.A.

He is also Member of the Board since 1995 and President from 2013 of Mecaer Aviation Group S.p.A., a leading international provider of solutions in the helicopter, business and general aviation markets, based in Italy, USA and Canada.

He is Vice President of Siirtec Nigi S.p.A, an engineering and contracting company, based in Milan, Moscow and Abu Dhabi operating in the oil & gas industry.

He was Member of the Board of Credito Valtellinese Bank from 2004 to 2016 and Member of the Executive and Strategic Committee from 2009 to 2016 and Vice President from 2015 till 2016.

In S.E.A. S.p.A, the company managing the airports of Milan, he was Member of the Board from 2006 to 2013, being from 2010 President of the Internal Controls Committee and Ethic Committee.

Always engaged in the activities of the local, national and international Associations, he was President of the Young Entrepreneurs, Deputy Chairman and President of UNIVA (Confindustria of Varese Province), member of the Board of Directors of the Chamber of Commerce of Varese and of the Varese branch of the Bank of Italy.

In 2009, he was Founder and President of the Lombardy Energy Cleantech Cluster (from 2009 to 2015)

In more recent years, he was President of Confindustria Lombardia from October 2013 to November 2017.

Since 2018 he is President of the World Manufacturing Foundation.





Fabrizio Sala

*Regione Lombardia
Vice President*



Fabrizio Sala was born in Milan on June 13, 1971. Early in his career he held administrative and sales positions in the furniture industry field. After working as an insurance agent in 1997 he started to operate as a financial advisor, managing and training a team of sales agents. From 2008 till the end of 2012 he was the of Head of External Relations for the company Chateau d'Ax and then he held the position of Contract Strategy Manager for the company Busnelli Spa. In 1999 he was elected Mayor of the Municipality of Misinto (Monza and Brianza). He remained in office till 2009 when he was appointed Councillor for the Environment, and Vice President then, of the Monza and Brianza Provincial Government. In 2013 he was elected Councillor for the Lombardy Region and he was appointed Undersecretary for Expo 2015 and enterprises Internationalization. In December 2014 he has been nominated regional Minister for Housing, Social Housing, Expo 2015 and enterprises Internationalization. In October 2015 he was appointed Vice President of the Lombardy Region, also in charge for the International relations. In March 2018 he was re-elected Regional Councillor and he was appointed Vice President of the Lombardy Region and regional Minister for Research, Innovation, University, Export and Internationalization. He is in charge as Vice President of the Network of the European Regions Using Space Technologies (NEREUS) and President of the European Chemical Regions Network (ECRN).



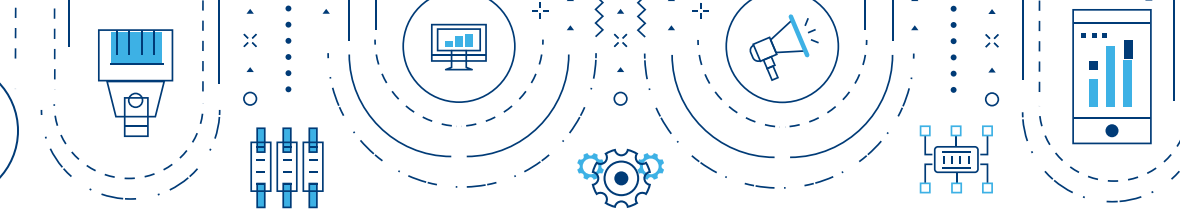
Andrew Spannaus

*Milan Foreign Press Association
Chairman*



Andrew Spannaus is a freelance journalist and analyst based in Milan. He is the elected Chairman of the Milan Foreign Press Association and the founder of Transatlantico.info, that provides news and analysis to institutions and businesses. Spannaus is known for his early diagnosis of the populist revolt in the United States and Europe, starting with his June 2016 book "Perché vince Trump" (Why Trump is Winning). His most recent book, *Original Sins*, examines the intersection between economic and financial globalization and the challenges facing the European Union. Spannaus is a regular commentator in various Italian and Swiss print, television and radio media, and a frequent speaker at institutional and business events.





Ahmed Taha Boraie

*Ministry of Trade and Industry (Egypt)
Senior Assistant to the Minister of Trade and Industry
for Industrial Affairs*



Mr. Taha is a holder of a bachelor degree of science (B.Sc.) majoring in Electronics and Telecommunications and has received the human resource management diploma from the American University in Cairo (AUC).

He worked for a diversified number of national and international companies at both technical and management levels. His 34 years' experience includes project management and coordination, business planning and plan implementation, human resource development and management. Having worked with EU funded programmes such as the private sector development programme and the Industrial Modernisation Programme, enabled Mr Taha to develop a strong background in management skills. For 3 years, he was assigned to manage the BRC/ IMC regional branch in Alexandria, then was promoted to handle the HRD Programme Division at IMC.

In July 2006, Ahmed was appointed as the Executive Director of the Industrial Training Council under the umbrella of the Egyptian Ministry of Trade and Industry.

In March 2010, he was nominated to the position of Chairman of Productivity and Vocational Training Department (PVTD), the training arm of the Ministry of Trade and Industry. With this successful business track he was appointed, Executive Director of the Industrial Modernisation Centre (IMC) under the Ministry of Trade & Industry in 2013.

From January 2016 to March 2016, he held the position of Acting Chairman of Egypt Expo & Convention Authority besides his position at IMC.

In, April 2016 he was appointed as the Commissioner General of Egypt for Expo Astana, Kazakhstan 2017.

In, February 2019, Mr. Taha has been appointed as the Senior Assistant to the Minister of Trade and Industry for Industrial Affairs.



Marco Taisch

*Politecnico di Milano, Full Professor of Operations
Management and Advanced and Sustainable Manufacturing
World Manufacturing Foundation, Scientific Chairman*



Marco Taisch is Full Professor at the Politecnico di Milano, where he teaches Advanced and Sustainable Manufacturing and Operations Management.

He is one of the coordinators of the Manufacturing Group of the School of Management of the Politecnico di Milano, composed of about 40 people.

Member of the EFFRA Board (European Factories of the Future Research Association) and of the Board of the Italian Smart Factory Cluster.

He sits in the Steering Committee of the National Industry 4.0 Plan coordinated by the Italian Ministry of Industry and Economic Development.

Since 2002 he has been particularly dedicated to the study of technological trends, carrying out for the European Commission some technological roadmaps and studies of Technologies Foresight on Manufacturing.

He is co-founder and Scientific Chairman of the World Manufacturing Forum. He is also a founding partner of Miraitek, spin-off of Politecnico di Milano that focuses on the Industry 4.0 matters.





Jürgen Tiedje

*European Commission
Head of Unit, DG Research and Innovation*



Jürgen Tiedje, working with the European Commission since 1992; German nationality; lawyer as educational background, wide experience in different Commission departments of European policy making, including industry, in the last years. He joined DG Research and Innovation in the Commission in January 2017. He works as a Head of the Unit "Sustainable Industry Systems". The unit focuses on managing around 230 research projects under Horizon 2020 with a particular focus on advanced manufacturing processes, including biotechnology. The unit contributes to the strategic plan implementing Horizon Europe. The unit is also in charge of running contractual partnerships with industries (Factories of the Future concerning manufacturing; Sustainable process Industry (SPIRE) and Energy efficient buildings (EEB) as well as a public-public-partnership programme on metrology (EMPIR).

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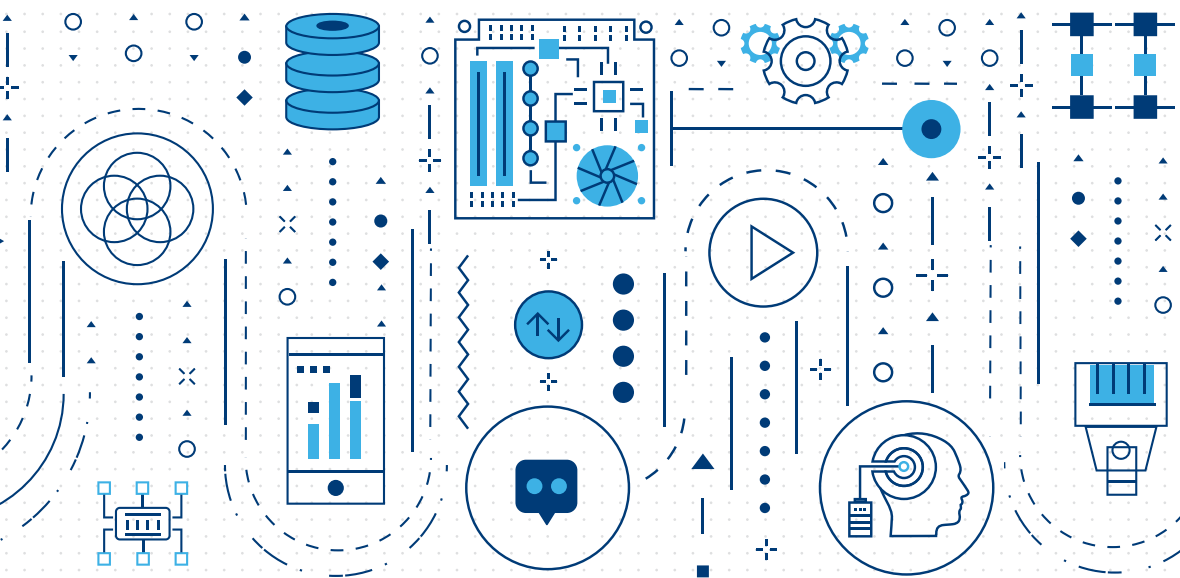


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