

WORLD MANUFACTURING FORUM



Artificial Intelligence for the Manufacturing Renaissance
The Resilience of Companies in a “New Normal” Society

SPEAKERS

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from Cernobbio, Como, Italy



Lisa Anderson

President, LMA - Consulting Group

Back to the Future Manufacturing Beyond Covid-19

Lisa Anderson is the founder and president of **LMA Consulting Group Inc.**, a consulting firm that specializes in manufacturing strategy and end-to-end supply chain transformation that maximizes the customer experience and enables profitable, scalable, dramatic business growth. She has been named in the Top 46 most influential in Supply Chain by SAP, a Top 40 B2B Tech Influencer by Arketi Group and a Top 50 ERP Influencer by Washington-Frank. She recently published, **Future-Proofing Manufacturing & Supply Chain Post COVID-19**, an eBook on successfully emerging and thriving post COVID-19.

She is a regular content contributor on topics including providing a superior customer experience with S&OP, advancing innovation, and navigating growth and change and is regularly interviewed and quoted by publications such as Industry Week, Supply Chain Dive and the Wall Street Journal. She holds a BA from the University of North Carolina at Chapel Hill and an MBA from Cal State Fullerton.



Deborah Barta

Senior Vice President Innovation & Startup Engagement, Mastercard

Deborah Barta is the Senior Vice President of Innovation Management and Startup Engagement at Mastercard. Ms. Barta is responsible for the programs and processes that help generate unique, innovative ideas, both internally and in collaboration with our key external partners. Additionally, she also leads Mastercard's engagement with the global startup community through Start Path Global, the company's effort to support innovative, late-stage startups around the world.

In her role, Ms. Barta leads the design and execution of innovation programs that brings new payment and commerce ideas to life. She leads a team that works alongside employees, banks and merchant partners, startups and the fintech community to identify and experiment with future technologies through an agile approach to research, development, incubation and pilot.

Prior to this role, she led the development and commercialization of Simplify, which is the first small-business commerce platform to be incubated as a virtual startup within Mastercard Labs and subsequently transitioned into the organization as a globally-scaled product. Before joining Mastercard, she successfully led client engagements as a strategic business consultant for Deloitte Consulting, IBM Global Services, PricewaterhouseCoopers Consulting and Arthur Andersen across a variety of industries.

In 2014, Ms. Barta was recognized by the St. Louis Business Journal with one of the publication's first Annual Innovation Awards.

Ms. Barta holds an M.B.A. from Webster University, a B.S.B.A. in Finance and Music from Washington University in St. Louis and a Professional Certificate in Entrepreneurship and Innovation from Stanford University.

Plenary Session 1

PREPAREDNESS & PRODUCTIVITY:

Building the Pandemic-Proof Supply Chains of the Future



Marta Batalla Massana

Policy Officer, DG Grow
- European Commission

Marta Batalla is a Policy Officer at the Advanced Technologies, Clusters and Social Economy unit at the Directorate General for Internal Market, Industry, Entrepreneurship and SMEs, at the European Commission. She has more than 8 years of experience working on different monitoring projects such as the SME Performance Review, Digital Transformation monitor and Advanced Technologies for Industry. She has co-authored numerous reports and papers mainly on SMEs and advanced technologies and she is currently the project manager for digital technologies at the Advanced Technologies for Industry monitor. She serves as an expert in several policy networks such as the Going Digital discussions at the OECD and the task force on adoption ICT in industry at Eurostat.

Before joining the European Commission, she worked for the Executive Secretary office for the Economic Commission for the Latin American and Caribbean at the United Nations (UN ECLAC) evaluating the Millennium Development Goals (MDGs) and providing support on the adoption of the Sustainable Development Goals (SDGs). She also worked at the United Nations Economic and Social Affairs (UN DESA) giving support to the economic discussions during the Annual General Assembly.

She holds a Master's in Public Management from Bocconi University and a degree in Political Science and Economics from the Autonomous University of Barcelona.

Plenary Session 3

POLICY & PEOPLE:
**The Dawn of Human-Machine
Interaction**



Klaus Beetz

CEO EIT Manufacturing

Plenary Session 3

**POLICY & PEOPLE:
The Dawn of Human-Machine
Interaction**

Klaus looks back on more than three decades of industry experience in software and system engineering, including five years of international delegation to Eastern Europe. Building on degrees in mathematics and philosophy, he started his professional career in software engineering at Nemetschek AG, a leading information technology company in the AEC (Architecture, Engineering, and Construction) sector.

Over the years, he gathered extensive intercultural experience in numerous international projects involving multicultural cooperation, especially on the European level. Among other duties, he was a member of the board of trustees at the European Software Institute (ESI), member of the executive board of Digital Europe (DE), member of the steering group at the Eureka cluster "Information Technology for European Advancement" (ITEA) and member of board of the Alliance Internet of Things Innovation (AIOTI).

He joined Siemens in 2002 and was heading the Global Technology Field "Software and System Engineering" and responsible for the worldwide research and technology transfer of innovative engineering technologies for software intensive systems and digital technologies. From 2011 to 2015 he was delegated as Director for Business Creation & Entrepreneurship to the Innovation Community EIT Digital within the European Institute of Innovation and Technology (EIT) and since 1st of January 2020 he is the CEO of EIT Manufacturing.



Paolo Benanti

Roman theologian, Third Order Regular of St. Francis

Born in 1973 in Rome, Paolo Benanti is a Franciscan of the Third Order Regular – TOR – and deals with ethics, bioethics and ethics of technologies. In particular, his studies focus on innovation management: internet and the impact of the Digital Age, biotechnologies for human improvement and biosecurity, neuroscience and neuro-technology.

As he describes himself: “I try to focus on the ethical and anthropological meaning of technology for Homo sapiens: we are a species that has inhabited the world for 70,000 years, transforming it; the human condition is a techno-human condition.”

At the Pontifical Gregorian University, he obtained a license in 2008 and a doctorate in moral theology in 2012. The doctoral dissertation entitled “The Cyborg. Body and corporeality in the posthuman era” won the Belarmino – Vedovato Prize.

Since 2008 he has been a lecturer at the Pontifical Gregorian University, the Theological Institute of Assisi, and the Pontifical Leonian College in Anagni. In addition to the institutional courses of sexual morality and bioethics, he deals with neuroethics, ethics of technologies, artificial and posthuman intelligence. He was part of the Artificial Intelligence Task Force to assist the Agency for Digital Italy. He is a corresponding member of the Pontifical Academy for Life with a mandate for the world of artificial intelligences. At the end of 2018 he was selected by the Ministry of Economic Development as a member of the group of thirty experts who, at national level, have the task of developing the national strategy on artificial intelligence and the national strategy on technologies based on shared registry and blockchain.

Plenary Session 3

POLICY & PEOPLE: The Dawn of Human-Machine Interaction



Marco Bonometti

President, Confindustria Lombardia

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 getting his degree in Mechanical Engineering at the Politecnico di Milano.

Opening Remarks

Under his lead, the business founded in 1919 by his grandfather has developed into a worldwide group with over 3,500 employees and a turnover of 700 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, FCA and VW Audi, Mercedes, BMW, General Motors, Ford, Renault, Peugeot, Iveco, John Deer, 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).



Carlo Bonomi

President, Confindustria

Since May 2020 Carlo Bonomi is the President of Confindustria, the Confederation of Italian Industries. Carlo Bonomi is an Italian entrepreneur in the biomedical sector, the President of Medtech Spa and Sidam Srl, President of Ocean srl and Marsupium Srl.

He is also the President of Fiera Milano SPA, Member of the Board of Bocconi University, of Dulevo International and of Springrowth SGR.

Carlo Bonomi was engaged in Confindustria initially in the Movement of Young entrepreneurs and became Member of different Councils of the Confederation, both at local and national level. Before being elected President of Confindustria, he was Member of the General Council of the Confederation, he led the national Technical Committee of the Confederation on Tax Policies from 2016 to 2020, he was President of Assolombarda, the Association of Confindustria operating in the Metropolitan City of Milan and in the provinces of Lodi, Monza and Brianza, Pavia.

Closing Day One



Bernardo Calzadilla-Sarmiento

Managing Director, Directorate of Digitalization, Technology and Agribusiness, United Nations Industrial Development Organization (UNIDO)

Dr. Bernardo Calzadilla-Sarmiento is Managing Director of Digitalization, Technology and Agri-Business, and Director of Digitalization, Technology and Innovation, at the United Nations Industrial Development Organization, UNIDO.

Plenary Session 4

**PREPAREDNESS
& PRODUCTIVITY:
Transform Traditional
Businesses in High Tech
Companies**

Dr. Calzadilla has been Director for the Technical Assistance and Training at the International Organization for Standardization (ISO). As Director of the Department of Trade, Investment and Innovation, Dr. Calzadilla has been leading the work on quality and standards for trade facilitation, investment for sustainable development and innovation in the context of the fourth industrial revolution (4IR).

Dr. Calzadilla has held position in investment promotion, funds mobilization and social responsibility. With more than 25 years of international experience in global development, his involvement includes working in Africa, Asia and Latin America. Dr. Calzadilla holds a Master's and Ph.D. degrees in Economics from the Vienna University of Economics and Business (Austria).



Giulio Cesareo

CEO, Directa Plus plc

Closing Keynote

PLANET: The Road to the Green New Deal in the age of Manufacturing 4.0

Giulio Cesareo co-founded Directa Plus February 2005. He began his professional career in 1982 in Italy working for Falck and Te-chint. From 1986 to 2004, he worked in the carbon and graphite field for Union Carbide, UCAR and Graftech, reaching the positions of the President and CEO of the Italian company and Vice President and General Manager of the Advanced Carbon and Graphite business unit. In his role at Union Carbide, Giulio managed business units in USA, France and Italy.

Giulio Cesareo was awarded a degree in Mechanical Engineering from the Polytechnic University of Milan, an MBA and an Executive MBA from Bocconi University of Milan and attended Strategic and Financial Management Programs at the Stanford University (USA). He is an Advisory Board Member in the National Graphene Association and he also serves as a Board Member of Fondazione Quarta, a non-profit organization focused on scientific research in areas of social activity.



Attilio Fontana

President, Regione Lombardia

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 vote.

Opening Remarks



Bronwyn Fox

Deputy Vice-Chancellor,
Swinburne University of Melbourne

Professor Bronwyn Fox is the Deputy Vice-Chancellor (Research and Enterprise) at Swinburne University of Technology in Melbourne, Australia. She has been instrumental in positioning Swinburne at the forefront of manufacturing, building extensively on Australia's Industry 4.0 strategy.

She has led a number of significant initiatives and global research partnerships through her former role as the founding Director of Swinburne's Manufacturing Futures Research Institute, including establishing a world's first Industry 4.0 Testlab for additive manufacturing of carbon fibre composites with Australia's national science agency, the CSIRO.

Together with industry, she also led a national graphene supply chain program which resulted in the development, innovation and commercialisation of graphene applications. Most recently, Bronwyn chaired an expert working group to write a ten-year horizon scanning report for Australia's Chief Scientist with the Australian Council of Learned Academies (ACOLA) on the Internet of Things.

Bronwyn has demonstrated a sustained commitment to support the growth of the carbon fibre and composite industry in Australia through targeted research and was previously a co-founder of the Carbon Nexus facility at Deakin University, a core part of a \$100 million dollar precinct in a regional community, Geelong.

Carbon Nexus has acted as a catalyst for other companies to invest in production in the Geelong region resulting in a manufacturing precinct that supports around 1,400 new jobs. She is a Fellow of the Academy of Technology and Engineering (ATSE), a Fellow of the Royal Australian Chemical Institute and a Graduate of the Australian Institute of Company Directors. In 2018 Professor Fox was awarded the Global Congress on Manufacturing and Management (GCMM) Research Leadership Award.

Plenary Session 1

**PREPAREDNESS
& PRODUCTIVITY:
Building the Pandemic-Proof
Supply Chains of the Future**



Pierre Gattaz

President, Business Europe

Pierre Gattaz became President of BusinessEurope on 5 July 2018. Until then, he held the Presidency of BusinessEurope's French member federation MEDEF.

A graduate of Telecom Bretagne (l'Ecole Nationale Supérieure des Télécommunications de Bretagne) and holder of a Certificate in Administrative Management from the George Washington University (USA), he was a project engineer and export project manager at Dassault Electronics from 1984 to 1989.

From 1989 to 1992, he was Managing Director at Fontaine Electronics, then Convergence (a subsidiary of the Dynaction Group). Pierre Gattaz became Managing Director at Radiall in December 1992 and has been the Chairman of the Board since January 1994.

He was President of GIXEL (Professional Association for Electronic Components Systems, Digital Identity Industries) from 1999 to 2003, and then President and founder of the FIEN (Digital and Electronic Industries) from 2002 to 2007, before being elected President of the FIEEC (Federation of Electrical, Electronic and Communication Industries – 30 industrial unions) in 2007, when he also joined the Executive Committee of MEDEF (Movement of French Enterprises). From June 2010 to July 2013, he was also President of the GFI (Group of Industrial Federations – 17 industrial federations representing 80% of French industry) and a founding member of La Fabrique (the Industry's Think Tank).

Pierre Gattaz is Knight of the French Legion of Honour and Officer of the Order of Merit.

Plenary Session 2

**POLICY & PEOPLE:
Comprehensive Industrial
Policy to Adapt
to the “New Normal” Society
after the Covid-19 Pandemic**



Kilian Gross

Head of Unit Technologies and Systems for Digitising Industry, European Commission

Since 16 of January 2020 Kilian Gross is Head of Unit A/2 in DG CNECT responsible for Technologies and Systems for Digitising Industry. His Unit is dealing with the implementation and the development of the Digitising European Industry Strategy including in particular the setting up of a network of Digital Innovation Hubs in the EU. These hubs should act as one-stop-shops where SMEs, startups and mid-caps can get access to technology testing, financing advice, market intelligence and networking opportunities.

The network of Hubs should be rolled out to all regions in the EU. The Unit supports collaborative research and innovation in digital manufacturing platforms via calls for proposals. It has developed a European approach to Artificial Intelligence and Robotics and it has prepared together with Member States a Coordinated Plan on Artificial Intelligence. Based on the work of the High-Level Expert Group the Unit has drafted a White Paper on Artificial Intelligence, which presents the options on how to promote the uptake of Artificial Intelligence and how to address at the same time the risk associated with certain uses of this new technology.

Plenary Session 4

PREPAREDNESS & PRODUCTIVITY: Transform Traditional Businesses in High Tech Companies



Jack Harris

Vice President, World Manufacturing Foundation

Opening Day Two

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 implementation of Digital Manufacturing tools and technologies for over a dozen manufacturing locations, worldwide. During this time, he has held executive positions in Operations, Engineering and Advanced Technology, starting his career as a product development engineer.

He has been engaged in economic development in manufacturing for over 25 years, serving as the Vice Chairman of the Iowa Innovation Council and a member of the state's Technology Commercialization Committee (TCC). After his retirement, he launched the Iowa Innovation Corporation (IIC), which is a not-for-profit chartered to foster economic growth in Iowa through technology commercialization. In this role, he served as the President/CEO of IIC. For four years, Mr. Harris was the Chairman of the Advanced Manufacturing Committee for the Aerospace States Association, led by the Lieutenant Governor's Association.

Today he serves as General Manager for the PDES Inc., an international consortium, whose charter is to provide enterprise business value through improved information interoperability and usage. His Advanced Manufacturing involvement extends beyond the U.S. borders, as he is currently the Chairman of the global Intelligent Manufacturing Systems (IMS) International and is Vice President of the World Manufacturing Foundation. In addition, he serves as CEO for Parametric Studios, which is a STEM software developer and provider.

He holds an AAS (Iowa State University, 1968) and BS in Mechanical Engineering (University of Iowa, 1981) and a MS in Engineering Management (Florida Tech, 1989). He was trained in Special Electronics and served in the United States Air Force from 1969 to 1973, as part of Headquarters Command.

In 1993, he was recognized with the Collins Pioneer Leadership Award for development and implementation of a computer aided engineering strategy for Commercial Avionics Engineering, authored a number of internal Rockwell Collins working papers and in 2000 was cited in Business Week with an article on manufacturing logistics.



Linda Hasenfratz

CEO, Linamar

Plenary Session 1

PREPAREDNESS & PRODUCTIVITY:

Building the Pandemic-Proof Supply Chains of the Future

Linda Hasenfratz is the Chief Executive Officer of Linamar Corporation, an advanced manufacturing company where the intersection of leading edge technology and deep manufacturing expertise is creating solutions that power vehicles, motion, work and lives for the future. Linamar has 27,000 employees in 61 manufacturing locations, 11 R&D centres and 25 sales offices in 17 countries in North and South America, Europe and Asia which generated sales of \$7.4 billion in 2019.

Hasenfratz has also sat on the Board of Advisors for Catalyst Canada since 2003. In February 2017 Hasenfratz was announced as the Canadian Chair of the Canada-United States Council for Advancement of Women Entrepreneurs and Business Leaders. Hasenfratz' desire to see women progress in business to the top level of industry prompted her to participate in these two key initiatives.

In December 2018, Ms. Hasenfratz was appointed to the board of the Association of Equipment Manufacturers (AEM) and was appointed a director to Faurecia Board of Directors, a French automotive supplier, in 2011.

Among her many awards, Ms. Hasenfratz was named the Canadian Outstanding CEO in November 2018 and was also made a member of the Order of Canada in December of the same year. In recognition of her and Linamar's support and focus on international growth Hasenfratz has received 2 international honours.

The French Government honoured Hasenfratz in June of 2015 with the Chevalier dans l'Ordre National de la Légion d'Honneur, one of the highest honours bestowed upon a non-civilian in France. In October 2016 Hasenfratz was honoured by the Hungarian government and was awarded the Knight's Cross of the Order of Merit of Hungary. She was installed as University of Western Ontario's 23rd Chancellor in October 2019.



Bruce Kramer

Senior Advisor,
National Science Foundation (NSF)

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 SME 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.

Plenary Session 1

**PREPAREDNESS
& PRODUCTIVITY:
Building the Pandemic-Proof
Supply Chains of the Future**



Mike Lackey

Global Vice President
of Solution Management
Manufacturing, SAP

Mike Lackey joined SAP in 2008 through the acquisition of Visiprise and has global responsibility for Solution Management, Digital Manufacturing. With previous roles at Visiprise, NetVendor and Teradyne Manufacturing Software Group, Mr. Lackey has a unique set of knowledge that covers both manufacturing software and design collaboration along with over 30 years of experience in the manufacturing sector.

Early in his career, he started as a manufacturing engineer with DCA/Attachmate, which provided him with invaluable first-hand knowledge and understanding of how SAP customers can use SAP's Manufacturing Solution Portfolio to improve their business. Mr. Lackey earned a Bachelor of Science degree in Industrial Engineering from Georgia Institute of Technology and an MA in Business Administration from Mercer University with dual concentrations in International Business and Marketing.

Plenary Session 1

**PREPAREDNESS
& PRODUCTIVITY:
Building the Pandemic-Proof
Supply Chains of the Future**



Nicholas Leeder

Vice-President,
Head of Digital Transformation
Solutions, PTC

Nicholas Leeder is the Vice President of the Digital Transformation Solutions Field accountable for the Sales, Customer Value Lifecycle, Marketing and Enablement globally. During Mr. Leeder's leadership tenure, PTC has assembled an industry leading team to help our customers define their journeys and realise tangible value from digital transformations.

Mr. Leeder's industry experiences of industrial transformations, including Industrie 4.0, has focused on the changes and challenges to design, manufacture, operate, and service things for a smart, connected world beyond the buzzwords and the hype. He is also an internationally recognised thought leader and keynote speaker including chairing events in Europe such as ManuTalk and keynotes at PI Europe and North America. Mr. Leeder has had numerous articles published and regularly participates in a number of industry advisory bodies including the Financial Times and World Economic Forum's Industry Strategy meetings for Advanced Manufacturing.

Experience:

Prior to joining PTC, he was globally accountable for the PLM and Industrie 4.0 at SKF AB, reporting to the Chief Technology Officer. SKF is a global leader in reliable rotation solutions, with over 44,000 employees globally and over 100 factories in 44 different countries. At Dyson, he was accountable for the groups transformation in Engineering and Manufacturing, reporting to the Chief Operating Officer.

Mr. Leeder has held operational and management positions in Philips and Elekta focused operationally owning the changes needed to improve the operations and engineering productivity of these organizations.

He also has held leadership roles in Management Consultancies include Accenture, IBM and Deloitte.

Education and Qualifications:

Mr. Leeder has a Bachelor of Engineering degree in Product Design and Manufacture from Loughborough University in the UK. He is also a Chartered Engineer (CEng) and Member of Institute of Engineering and Technology (IET).

Further Information:

More detailed information can be found on **Mr. Leeder's LinkedIn profile**

Plenary Session 4

**PREPAREDNESS
& PRODUCTIVITY:
Transform Traditional
Businesses in High Tech
Companies**



Gian Paolo Manzella

Secretary of State
for Economic Development

Gian Paolo Manzella, Secretary of State for Economic Development with attributions in technological transfer, aerospace, creative industries, small and medium enterprises, foreign direct investments attraction.

Closing Day Two

Graduated in law, he obtained an M.A. in International Relations at Yale University. Currently employed at the European Investment Bank, he has worked at the Italian Antitrust Authority and the European Court of Justice. His main areas of expertise are in European regional funds, Innovation, creative industries.



Cristina Oyón

Director of Technology, Innovation and Sustainability, SPRI
- The business development agency of the Basque Government

Cristina Oyón is Director of Technology, Innovation and Sustainability at SPRI, the Basque Business Development Agency in Spain. She is currently responsible for the design and implementation of the Smart Industry Strategy in the Basque region, that proposes a new industrial model that creates economic, social and sustainable environmental value, and manages the funds for fostering industrial R&D&I in the region.

Her experience in research, development and innovation policies, public funds management and public-private and international cooperation is cross-sectoral and has the overall aim of seeking long term impact in economic growth and well-being, at regional and European level.

Her job and personal interests have an outward looking dimension that lead her to collaborate with several international organisations as BEI, OECD, UNIDO. She has been Member of the Industry 2030 High Level Industrial Roundtable of the European Commission, which gave advice on the European Industrial Strategy 2030 and is currently leading the Women in Manufacturing Expert Group of the World Manufacturing Forum.

**Back to the Future
Manufacturing Beyond
Covid-19**



Stefan Pan

Delegate of the President
of Confindustria for Europe,
Confindustria

Born in 1959 in Bolzano, Italy, married, 2 children.
Graduation at the Vienna University of Economics and Business (Austria).
President of Pan Surgelati Srl – a family run Food Company for innovative tradition in Alpine and Mediterranean Cuisine.
Delegate of the President of Confindustria for Europe.

Plenary Session 2

**POLICY & PEOPLE:
Comprehensive Industrial
Policy to Adapt
to the “New Normal” Society
after the Covid-19 Pandemic**

- 2008-2010 Member of the Scientific Advisory Council of UMIT (Health and life sciences University Hall i.T. Austria)
- 2011-2017 President of Assoimprenditori-Confindustria Alto Adige – Italy
- Since 2014 Member of the Board of the Bolzano Chamber of Commerce – Italy
- Since 2015 Member of the Board of Trustees of Villa Vigoni (German – Italian Centre for the European Dialogue) – Italy
- 2016 – 2020 Vice President of Confindustria (Regional Policy and Territorial Cohesion) – Italy
- Since 2020 Delegate of the President of Confindustria for Europe



John Polowczyk

Admiral, US Navy

Rear Admiral John Polowczyk was appointed to lead the White House supply chain task force in response to the COVID-19 pandemic. He also serves as vice director for Logistics, J4 with the Joint Chiefs of Staff.

Plenary Session 4

PREPAREDNESS & PRODUCTIVITY: Transform Traditional Businesses in High Tech Companies

Rear Admiral Polowczyk is a native of Manhasset, Long Island, New York. He graduated from the United States Naval Academy in 1987 with a Bachelor of Science in engineering. He holds a Master of Science in Contract and Acquisition Management from the Naval Postgraduate School and a Master of Science in National Resource Strategy from the National Defense University Industrial College of the Armed Forces. He also completed an executive education program at the Tuck School of Business at Dartmouth.

Polowczyk's sea duty assignments include supply department head tours aboard the fast attack submarine USS Queenfish (SSN 651), the destroyer USS Peterson (DD 969) and the amphibious assault ship USS Bataan (LHD 5).

Ashore, he most recently served as director, logistics programs and business operations in the Office of the Chief of Naval Operations (OPNAV N41). His other shore assignments include Fleet Ordnance and Supply (N41) and fleet supply officer on the staff of Commander, U.S. Fleet Forces Command, in Norfolk; comptroller, U.S. Fleet Forces Command; commanding officer, Naval Supply System Command, Fleet Logistics Center Pearl Harbor; business management officer, U.S. Joint Forces Command, Norfolk; military assistant to the assistant secretary of the Navy for Financial Management & Comptroller; OPNAV N413 Joint Logistics officer, where he developed the Navy-Marine Corps Naval Logistics Integration program; business financial manager, Seawolf Program Office, Naval Sea Systems Command; financial officer, Commander, Naval Surface Force, U.S. Atlantic Fleet; contracting officer with Naval Sea Systems Command; and instructor, Naval Supply Corps School, Athens, Georgia.

Polowczyk assumed the position of vice director for logistics, logistics directorate (J4), Joint Staff in June 2017. The J4 is responsible for integrating logistics planning and execution in support of joint operations to drive joint force readiness, maximize the Joint Force Commander's freedom of action and advise the chairman of the Joint Chiefs of Staff on logistics matters.



Guido Porro

Euromed Managing Director,
Dassault Systemes

Guido Porro returns to Dassault Systèmes Italia as CEO after a two-year experience in the French office in Paris, where he held the role of Vice President responsible for the indirect channel.

As Managing Director for Mediterranean Europe and CEO Italy, he immediately set himself the goal of increasing the strategic role of the company in the Italian and European ecosystem, through the sustainable development of priority sectors of the industry, with a particular attention to the training and enhancement of the 'Workforce of the Future'.

Before joining Dassault Systèmes, Guido held positions of increasing importance in Oracle, becoming Senior Director, in Boston Consulting Group as a Management Consultant and in Accenture, with specific skills in the energy, Industrial Equipment and retail sectors.

Born in Cantù in 1975, he graduated in Political Economy from Bocconi University in Milan and holds a Masters in Business Administration from INSEAD Business School.

He is married and has three children.

KEYNOTE

**The Quest for Sustainable
Manufacturing: the power
of Virtual Twin**



Alberto Ribolla

President,
World Manufacturing Foundation

Alberto Ribolla was born in 1957, he is married with two children and currently lives in Venegono Superiore (VA) - Italy.

Since 2018, Mr. Ribolla is the President of the **World Manufacturing Foundation**. Having been appointed as Member of Board by Confindustria Lombardia, one of the Founding Partners of the Foundation.

After graduating in Chemical Engineering at Politecnico di Milano, he became a shareholder of **Sices 1958 S.p.A.**, an enterprise located in Lonate Ceppino (VA). He is also a member of the Board of Director and President of the subsidiary company **Pensotti FCL SpA** in Legnano, Italy.

Furthermore, since 1995 he is also a member of the Board of **Mecaer Aviation Group S.p.A.**, which he became President of in 2013. A leading international provider of solutions for Aircrafts Systems with different branches in Italy, the USA and Canada.

Mr Ribolla is currently also Vice President of **Siirtec Nigi S.p.A.**, an engineering and contracting company based in Milan, Moscow and Abu Dhabi that has operated in the oil & gas and refining industry for more than 80 years.

Always engaged in the activities of local, national and international Organizations, he was, among others:

- President of the **Young Entrepreneurs**, Deputy Chairman and President of **UNIVA** (Confindustria of Varese Province). On behalf of Univa, he is also Member of the Board of Directors and Executive Committee of the **University LIUC - Carlo Cattaneo**.
- From 2009 to 2015, Founder and President of the **Lombardy Energy Cleantech Cluster**
- In November 2017, he completed the 4-year-mandate as President of **Confindustria Lombardia**.
- Since 1999, he is also a member of the **National Council and Executive Committee of the National Association of Industrial Plants Manufacturers (ANIMP)**.

Welcome

Back to the Future Manufacturing Beyond Covid-19



David Romero

Professor of Advanced Manufacturing,
Tecnológico de Monterrey

Professor Dr. David Romero is a Senior Research Scientist and Scientific Project Manager at the Center for Innovation in Design and Technology of the Tecnológico de Monterrey University in Mexico, as well as National Academia Representative and Coach for the Regional Secretariat of Intelligent Manufacturing Systems (IMS) – Mexico.

His research interests include: Circular Manufacturing, Service Engineering, Cyber-Physical Systems & Human Systems, Advanced Production Management Systems, Green Virtual Enterprises, and Technology and Engineering Management. He is a member of the Society of Collaborative Networks, the IFAC TC5.3 on Enterprise Integration and Networking, the IFIP WG5.7 on Advances in Production Management Systems, the IFIP WG5.12 on Architectures for Enterprise Integration, the IEEE Technology and Engineering Management Society, and the IEEE Internet of Things Community.

Furthermore, he is an Agenda Contributor at the World Economic Forum (WEF) Council on “Shaping the Future of Advanced Manufacturing and Production”, and a World Manufacturing Forum (WMF) Ambassador. He has published more than 100 journal and international conference articles and serves at different editorial and scientific committees and advisory boards in academia, industry, and government in the disciplines of business and industrial engineering. Nowadays is focus on promoting the concepts of the “Operator 4.0” and “Digital Lean Manufacturing”.

WMF2020 Report
Presentation



Fabrizio Sala

Vice President, Regione Lombardia

Plenary Session 4

**PREPAREDNESS
& PRODUCTIVITY:
Transform Traditional
Businesses in High Tech
Companies**

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).



Chandrakant Salunkhe

Founder and President,
SME Chamber of India

Plenary Session 3

POLICY & PEOPLE: The Dawn of Human-Machine Interaction

Being a serial entrepreneur, thought leader, business & social activist, Mr Chandrakant Salunkhe has founded various organisations to support SMEs, Young Entrepreneurs and Start-ups for business growth, export promotion, imparting knowledge & education for transformation of their business activity, capacity building for global competitiveness, interface with policy makers, channelise finance & investment, joint ventures, technology transfer, setting up industries and expansion and diversification of business activities in India and Overseas.

Mr Chandrakant Salunkhe has been organising State, National and International level activities and led SME delegations to various countries, project visits and resolved various issues related to industry and business sector. Mr Salunkhe has been instrumental for policy change and policy implementation and has taken the initiative to set up SME Stock Exchange, National Skill Development Corporation, TReDS – Electronic platform for Trade Receivables, inclusion of SME sector for providing level playing field in ease of doing business facilities, identification of emerging export market for SMEs and advanced technology for better productivity and quality, exclusive SME department in Maharashtra State as well as guidance to Start-ups, Young and Women Entrepreneurs for converting their business ideas into profitable ventures and commercialization of inventions & innovations.

Mr. Salunkhe has been on a forefront to resolve the issue and problems of SMEs and Manufacturing Industries and provides suggestions and recommendations to various government departments and agencies for industrial growth, SME empowerment and Export promotion.

Mr. Salunkhe has initiated various International Divisions in association with Indian Embassies and Overseas Embassies in India for providing International platform for identifying emerging business and export opportunities in various countries.

Mr Salunkhe has contributed as the member on various Government Committees, Study Groups, Sub-Committees and Panels to give inputs on Industry, Finance and SME Sector.



Gilles Savard

CEO, IVADO

Gilles Savard is a professor at Polytechnique Montreal since 1993. From 2001 to 2007, he served as Chair of the Mathematics and Industrial Engineering Department before becoming in 2007 Chief Innovation and International Officer (Directeur de la recherche, de l'innovation et des affaires internationales).

Since January 2017, he is the General Director of the new Institute for Data Valorisation (IVADO), an initiative of HEC Montréal, Polytechnique Montréal and the Université de Montréal, which brings together more than 150 industrial, institutional and government partners in an advanced and multidisciplinary competence center in statistics, artificial intelligence and operational research linking more than 1400 scientists.

He has published over 100 scientific papers in the field of operations research and supervised more than 80 graduate students over the course of his career. Gilles Savard is a specialist in bilevel mathematical programming, with applications in energy and transportation. For 20 years, he has carried out numerous projects on the planning of peace missions with the Defence Department.

He has also developed, with a few collaborators, an innovative approach in the field of revenue management now commercialized by ExPretio for railway companies. Gilles Savard was an important player in the EUGENE project which won the award for best application in operational research in Canada in 1999 as well as for the creation of ExPretio, which was honoured by NSERC/ADRIQ in 2010 for the quality of its partnerships.

He was awarded the 2017 Personality Innovation Award by ADRIQ and is Chevalier de l'ordre des Palmes académiques de la République française. He is a member of several boards of directors.

Plenary Session 4

**PREPAREDNESS
& PRODUCTIVITY:
Transform Traditional
Businesses in High Tech
Companies**



Lucilla Sioli

Director for “Artificial Intelligence and Digital Industry”
Directorate-General CONNECT,
European Commission

Ms Lucilla Sioli is the Director for “Artificial Intelligence and Digital Industry” within Directorate-General CONNECT at the European Commission. She is responsible for the coordination of the European digitisation of industry strategy and for policy development in the area of artificial intelligence (AI).

The directorate also supports R&D&I in key digital industrial technologies including microelectronics, photonics, robotics and AI. Lucilla holds a PhD in economics from the University of Southampton (UK) and one from the Catholic University of Milan (Italy) and has been a civil servant with the European Commission since 1997.

Plenary Session 2

**POLICY & PEOPLE:
Comprehensive Industrial
Policy to Adapt
to the “New Normal” Society
after the Covid-19 Pandemic**



Daria Taglioni

Research Manager, Trade and International Integration, Development Research Group, World Bank

Daria Taglioni is Research Manager, Trade and International Integration, Development Research Group. She joined the World Bank Group in 2011 as Senior Trade Economist in the International Trade Department of the Poverty Reduction and Economic Management Network (PREM). Since then, she has held various positions and roles, including Team-Task Lead for the World Development Report 2020, Principal Economist in the International Finance Corporation, and World Bank's Global Lead on Global Value Chains.

Previously, she worked as Senior Economist at the European Central Bank (ECB) and as Economist at the Organisation for Economic Cooperation and Development (OECD). She has published in the American Economic Review, Journal of International Economics, and other scholarly journals. Her work has been featured in international media outlet such as the New York Times and Forbes. She authored various books on international trade. She is Italian and holds a PhD in International Economics from the Graduate Institute, Geneva.

**Back to the Future
Manufacturing Beyond
Covid-19**



Marco Taisch

Scientific Chairman,
World Manufacturing Foundation

**Back to the Future
Manufacturing Beyond
Covid-19**

**WMF2020 Report
Presentation**

Marco Taisch is a full professor of the Department of Economics, Management and Industrial Engineering of the Politecnico di Milano (POLIMI), where he teaches Advanced and Sustainable Manufacturing Systems and Operations Management. He is one of the coordinators of the Manufacturing Group of the School of Management, composed of around 40 researchers, working in the field of Smart and Digitized Manufacturing, Circular Manufacturing, Energy Efficient Manufacturing, Sustainable Mass Customization, Lean Product and Service Design, Product Data Modeling, Internet of Things, Internet of Services and Cyber-Physical Systems. Over the years, the group established important industrial collaboration with companies such as Bosch, COMAU, Dassault Systèmes, FCA, IBM, SAP, Siemens, Schneider Electric, Whirlpool, etc.

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

He is a member of the Board of EFFRA (the European Factories of the Future Public Private Partnership), of the Board of the Italian Cluster of the Intelligent Factory and of the Board of the Lombardy Regional (cluster of Intelligent Factory).

He is a co-founder and the Scientific Chairman of the World Manufacturing Foundation, which organizes the World Manufacturing Forum, the global event for the definition of the manufacturing agenda.

He had been involved in the Advisory Board of the National Industry 4.0 Plan, coordinated by the Ministry of Industry and Economic Development of Italy.

He is the President of MADE, Competence Center on Industry 4.0 and a co-founder of Miraitex, a spin-off of Politecnico di Milano on Industry 4.0.



Thorsten Wuest

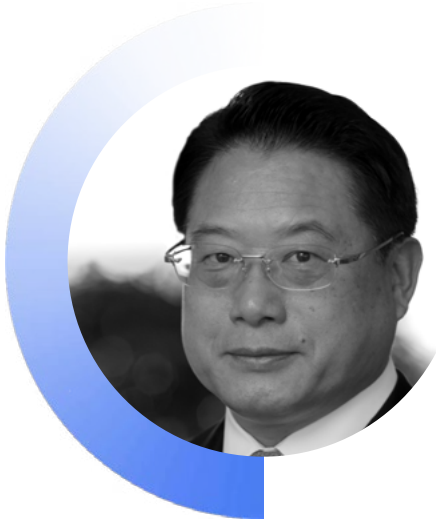
Assistant Professor
of Smart Manufacturing,
West Virginia University

**WMF2020 Report
Presentation**

Dr. Thorsten Wuest is an assistant professor and J. Wayne and Kathy Richards Faculty Fellow in Engineering at West Virginia University and globally recognized as one of SME's 20 most influential professors in smart manufacturing. He directs the WVU Smart Manufacturing Lab with a research focus on Smart Manufacturing Systems, Machine Learning and AI, Hybrid Analytics, Industry 4.0, Servitization and Product Service Systems.

His current research projects are funded by federal and international funding agencies such as NIST, CESMII/DoE, DAAD, and TJF in addition to industry. Dr. Wuest gave keynotes in eight countries, has co-authored three books and more than 130 refereed journal and conference articles gathering over 2,250 citations to-date. In addition to publishing his research in the premier academic outlets of the field, his work was featured in Forbes, Futurism, the World Economic Forum, CBC Radio, and World Manufacturing Forum.

He received several awards for his work incl. outstanding teacher of the year 2019, SME Journal Award, and multiple best paper. He serves the community as Vice-Chair Americas (IFIP WG 5.7), as Associate Editor for the ASTM Journal Smart and Sustainable Manufacturing Systems (SSMS) and the Int'l Journal of Manufacturing Research, as well as on the editorial board of the Journal of Manufacturing Systems. Grounded in the real world, he works closely with industry and serves on the advisory board of several startups, including Maven Machine Inc.



Li Yong

Director General, United Nations
Industrial Development Organization
(UNIDO)

Opening Remarks

Li Yong, Director General of the United Nations Industrial Development Organization (UNIDO), has had an extensive career as a senior economic and financial policy-maker. As Vice-Minister of Finance of the People's Republic of China and member of the Monetary Policy Committee of the Central Bank for a decade, Mr. Li was involved in setting and harmonizing fiscal, monetary and industrial policies, and in supporting sound economic growth in China.

He pushed forward financial sector reform, and prompted major financial institutions to establish corporate governance, deal with toxic assets and strengthen risk management. Mr. Li gave great importance to fiscal and financial measures in favor of agricultural development and SMEs, the cornerstones for creating economic opportunities, reducing poverty and promoting gender equality. He played a key role in China's cooperation with multilateral development organizations, such as the World Bank Group and the Asian Development Bank.



Randy Zadra

Managing Director, Integris Software,
Ambassador and Member
of the Steering Committee,
World Manufacturing Foundation

Randy Zadra has over 20 years of experience in technology management in industry as well as academia. He is Managing Director of Integris Software and previously served as director at the National Research Council of Canada (NRC) where he led new international applied R&D co-innovation initiatives. He has worked for over 12 years in senior executive capacities in Montreal, Boston, and Washington D.C. with BCE (NYSE:BCE), Teleglobe, Orblynx, and Datawind.

He also worked at the MIT Media Lab in Boston serving as Project Director for the Entrepreneurship and Development Program. He taught several entrepreneurship courses, and served as a judge on the MIT business plan competition. He is an advisor and board member for PEM Motion GmbH, and Nebumind. He has studied at the University of Windsor, Carleton University and the MIT Sloan School of Management.

**Back to the Future
Manufacturing Beyond
Covid-19**



Andrea Cabrini

Managing Editor, ClassCnbc

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.

Moderator

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's also curator of a multimedia project on digital transformation "Italia 4.0".

He's 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 up 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's 53, lives in Milan and has two sons.



Seyda Canepa

Journalist, Turkish News Channel NTV

Moderator

Seyda Canepa is a journalist, news-correspondent for the Turkish News Channel NTV currently in Italy. Alongside this experience she has realized, as author and host, different programmes on international politics, economics and energy in the framework of NTV. Previously, she was correspondent for NTV and CNBC-e in the Middle-East and in Asia.

She covered several events worldwide such as war correspondent during the Gulf War II., U.S. Presidential Elections and many international summits around the world such as G7, G8, G20, DAVOS World Economic Forum. She has been working in collaboration for the past years with several Italian media networks and hosted in prominent talk shows. She has been also in many international conferences as host and moderator.

She has been a member of Scientific Committee and correspondent of East Magazine She is Alumna of USA International Visitor Leadership Program on Investigative Journalism. She has a degree in Political Science and International Relationship with honour from Trieste University.

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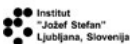


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