
Digitalization in Manufacturing Summit



∞ PRAGUE, CZECHIA | MAR. 15-16, 2018 ∞

CURTIS & WYSS

Key Practical Learning Points of the Summit:

- Examine the vision of Manufacturing Industry
- Consider Smart Strategies to start implementing the vision
- Share ideas and thoughts with industry leaders and together walk away with a plan of action to deliver that most valuable of commodities – a return on investment now and in the future.
- Enjoy the conference format that is the ideal for uniting decision makers and solution providers
- See the world's foremost strategists, thought leaders and trend setters deliver visionary keynote presentations, real-life case studies and interactive sessions
- Discuss technical challenges, solutions and project execution strategies
- Gain more in depth knowledge on newest manufacturing technology trends
- Discover what makes the next generation great leaders
- Understand the key findings of implementing Industry 4.0 and the impact of Internet of Things on manufacturing and the future of industries

SPEAKERS

Eric Prévost

Global Head IOT/Digital transformation for Industry 4.0 & Automotive ORACLE
ORACLE



Thomas Schulz

Channel Manager Central and Eastern Europe
GE Digital



Riikka Virkkunen

Research manager, Digitalizing Industry
VTT Technical Research Centre



Robin Tech

Co Founder. Managing Director
AtomLeap



Josef Kriegmair

Representative Production
MTU Aero Engines



Enrico Callegati

R&D Funding Manager
CRIT Research



Adam Gąsiorek

R&D Director
Transition Technologies PSC Sp. z o.o.



Raquel Ledo

Head of Materials Innovation Area
Expert Evaluator for H2020
CTAG
(Automotive Technology Centre of Galacia)



Axel Schmidt

Director Engineering
Sennheiser Electronic GmbH & Co. KG



Peter Rozek

Country Sales Director Central and Southeastern Europe
Rockwell Automation



Otto Schell

Digital Transformation Advisor
PDA Group



Michael Kohlert

Head of IT & Automation
Mondigroup



Filip Geerts

Director General
Cecimo



Helena Almqvist

Managing Director
Protex Balti AS



Patrick McLaughlin

Course Director. Sustainable Manufacturing Systems Centre
Cranfield University



George Chryssolouris

Professor
University of Patras



Aleš Ude

Head of Department
Automation Biocybernetics Robotics
Jožef Stefan Institute



CURTIS & WYSS

About Us

Curtis & Wyss offers business facilitation platforms for clients who want to develop in growth markets. We conduct exhaustive research, match buyers and sellers, then produce high profile events, all with a strategic focus on facilitating deals – all in the right place and at the right time.

We work in key sectors, leveraging our expertise to create deal flow. Foster networking and train leaders. Our global team works to meet your needs. Tailoring our diverse service base to keep you at the forefront of the latest market and industry trends.

We provide business opportunities to a target audience of executives, investors, leaders and thinkers who share our goal of making deals happen in the world's most liquid markets.

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 [Curtis & Wyss Group](#)



Professionalism

We are committed to performing at our highest potential and devotion every day in what we believe.

Continuous Improvement

There is no limit to excellence, so we are continuously moving forward, innovating and improving.



Selfless Service

We celebrate generosity and selflessness by putting the success of each client and event before ourselves.

Energy

Everything we do, we do with passion and smile. Positive attitude is at the heart of Curtis & Wyss



Curtis & Wyss Group is pleased to invite you to the Digitalization in Manufacturing Summit scheduled on March 15 - 16, 2018 in Prague, Czech Republic



By joining this summit of Curtis & Wyss Group, you will discuss and learn about the current issues on Digitalization in Manufacturing. This is an opportunity for leaders from innovation, research, technologists, academia and the wider service community to discuss progress and share insight on strategies. The capabilities of global networking continue to grow exponentially and digital transformation are evolving everywhere. New business models consistently emerge within IoT, data analytics, digital supply chain and more. Advanced methods and technologies, big data, automation, machine learning and innovative approaches are among the research scope. Don't miss the opportunity to engage in discussions with top-level industry experts. Therefore, we are pleased to invite you to the "Digitalization in Manufacturing Summit" scheduled for March 15 - 16, 2018 in Prague, Czech Republic.

This premier event will enable the participants to learn about the latest developments of Digitalization in Manufacturing.

It is an honor and privilege to invite you to participate in this Summit.

We look forward to welcoming you at the Summit in Prague upcoming March!

David Newman
Executive Director

Who Should Attend?

CEOs, General Managers, Vice Presidents, CTOs, CIOs, Production Heads, Operations Heads, IT Heads, Technical Managers, Quality Managers, Plant Managers, Engineers of:

- Manufacturing/ Production
- Digital Transformation
- Continuous improvement
- Operational Excellence
- Smart manufacturing
- Analytics, Big Data and IoT
- Technology, Innovation, Research & Development
- Parts Manufacturing
- Operations
- Supply Chain and Logistics
- and all others that consider implementing digitalization into their manufacturing operations

From industries including:

- Automotive
- Industry 4.0
- Internet of Things (IoT)
- Parts Manufacturing
- IT
- Security
- Academia
- Logistics

08:30 Registration & Welcome Coffee 

09:00 Opening Address from Chairman

09:10 Case Study

Cloud Emerging Technologies-The Impact on Manufacturing Innovation

- What Digital revolution means for Industrial sector
- How the Cloud, IOT, Blockchain, Artificial Intelligence impacts legacy ERP, CRM & MANUFACTURING SYSTEMS
- How connected products are trans-forming competition and companies for both manufacturers and OEMs.
- Real cases with Bosch Rexroth, PSA, Hyundai, Gemu and Vinci Facilities.
- Showcasing smart connected manufacturing best practices and solutions that are already changing the factory floor and predictive maintenance today

Eric Prévost

Global Head IOT/Digital transformation for Industry 4.0 & Automotive

ORACLE

09:50 Speed Networking 

Innovative approach to maximize networking capabilities through two minute periods, where delegates can meet their peers and exchange business cards before rotating to the next company representative

10:30 Morning Coffee and Networking Break 

11:00 Case Study

The relevance of connected business: Social Architectures

- Internet of Things is changing the way of collaboration
- Industries are challenged in their core and also companies are evaluating new business models.
- New business models and impact on landscapes
- Outlook how to get prepared

Otto Schell

Digital Transformation Advisor

PDA Group

11:40 Case Study

Digital transformation in manufacturing industries

- Digital transformation shaking up industries and opening up opportunities for customer engagement, manufacturing renewal and novel business models
- Challenges associated with the deployment of digitalization and automation
- Finnish approach to support innovations in the manufacturing domain
- Examples of early adopters of digitalization: IoT Factory, autonomous systems, human-robot collaboration etc.

Riikka Virkkunen

Research manager, Digitalizing Industry

VTT Technical Research Centre

12:20 Case Study

The Path from Insights to Value with Operational Performance Management

- What is Digital Industrial Transformation
- Why Industrial Internet and Industry 4.0 are changing manufacturing industries
- Redefining operational excellence in the digital age
- The digital thread and how does it contribute to digitalization
- Big data and analytics driving real time operational performance management

Thomas Schulz

Channel Manager

GE Digital

13:00 Business Lunch 

14:00 Case Study

Enabling Circular Economy through digitizing European Industry

- Towards a sustainable European Industry: Digitizing manufacturing in the context of Circular Economy
- Digitizing manufacturing from a holistic point of view
- Circularity criteria for evaluating the impact of advanced production technologies to the three pillars of CE.
- Advanced ICT technology enablers may support the transition to a Circular Economy.

George Chrystolouris

Professor

University of Patras

14:40 Case Study

Quantifying the hype | Facts & figures about European high-tech startups

- What is actually happening in the European startup ecosystem regarding smart manufacturing?
- How big data analytics & algorithms identify upcoming technology trends and help corporations make the right investment or partnerships decisions.
- How can startups be catalysts, challengers or partners of a successful innovation and digitalization strategy in manufacturing.

Robin Tech

Co Founder, Managing Director

AtomLeap

15:20 Case Study

The digitization of manufacturing: challenges and opportunities for European advanced manufacturing

- Transformation from machine supplier to manufacturing process partner
- Shifting from incremental to disruptive innovation
- Upgrading industrial infrastructure
- Opening new growth avenues
- Catching the digital train
- Investing in new & hybrid skills-sets
- Policy action to support this change

Filip Geerts

Director General

Cecimo

16:00 Afternoon Tea and Networking Break 

16:20 Case Study

Regional Collaborative Innovation for meeting Global Manufacturing Challenges

- Supporting companies accelerating innovation through knowledge sharing and information analysis: the CRIT experience
- H2020 Success factors and local collaborative innovation: inferences from the FoF-Impact project findings
- The future vision: new business models for meeting the digitalization challenge in regional contexts

Enrico Callegati

R&D Funding Manager

CRIT Research

17:00 Case Study

Changing Business Through Digitalisation & Clustering

- Growing demand for smart textile and IOT services
- Industry 4.0
- Change management/ leadership in change
- Protex Case Study:
Ragnarok 2.0 - revolutionary smart suit for workers exposed to high risk environments

Helena Almquist

Managing Director

Protex Balti AS

17:40 Chairman's Closing Remarks & End of Day One

19:00 Networking Dinner 

DAY TWO

MAR. 16, 2018

DIGITALIZATION IN MANUFACTURING SUMMIT

08:30 Registration & Welcome Coffee 

09:00 Opening Address from Chairman

09:10 Case Study

How a New Generation of Robots is Transforming Manufacturing

- Ability to take on more jobs such as picking and packaging, testing or inspecting products, or assembling minute electronics
- Improved sensing, dexterity, memory and trainability
- "If prices keep declining and capabilities of robotic technologies keep expanding, is now the time to hire some automated help?"

Aleš Ude
Head of Department
Automation Biocybernetics Robotics
Jožef Stefan Institute

09:50 Case Study

Conditions and leadership required for Industry 4.0 to deliver radical improvement

- Industry 4 technologies offer massive opportunity for radical improvements and the potential for paradigm change.
- Industry 4 technologies are disruptive
- The conditions and leadership required to allow disruptive technologies to deliver their full potential are not the same as incremental improvement
- The keynote will present the findings from a small research project into the cultural conditions and leadership that would enable the full potential of Industry 4 technologies.

Patrick McLaughlin
Course Director, Sustainable
Manufacturing Systems Centre
Cranfield University

10:30 Morning Coffee and Networking Break 

11:00 Case Study

Factories 4.0 - Using the Concepts of Industry 4.0 in Modern factories

- Trends for Factories 4.0
- Multi-sided platforms and network effects
- Where IoT meets AR
- Examples of Industry 4.0 implementations
- Future for Factories 4.0

Adam Gašiorek
R&D Director
Transition Technologies PSC Sp. z o.o.

11:40 Case Study

FORTAPE – Research on efficient integrated systems for the manufacturing of complex parts based on unidirectional tapes for the automotive and aeronautical industries.

- Use of UD tapes in automotive and aeronautical parts: current barriers
- Innovation in FORTAPE project
- Expected impact

Raquel Ledo
Head of Materials Innovation Area
Expert Evaluator for H2020
CTAG
(Automotive Technology Centre of Galacia)

12:20 Case Study

Industry 4.0 in Polymer Film Manufacturing

- Big Data
- Predictive Maintenance
- Condition Monitoring

Michael Kohlert
Head of IT & Automation
Mondigroup

13:00 Business Lunch 

14:00 Case Study

Cobots - Lean Automation

- Introduction to successfully implement applications of Cobots in a low to midsize volume assembly environment.
- Reflecting conceptual and technical challenges as well as safety and social aspects.

Axel Schmidt
Director Manufacturing
Engineering
Sennheiser

14:40 Case Study

From Data to Value in a Smart Production of Jet Engine Parts

- Digitalization as an enabler for an enhanced value engine
- Approaches to design and implement systems converting data into value
- Prerequisites for transforming data into value

Josef Kriegmair
Representative Production
MTU Aero Engines

15:20 Case Study

Digital Transformation, an opportunity for productivity and performance improvement

- Digital transformations sets a new direction that is highly-connected and knowledge-enabled, where devices and processes are connected, monitored, and optimized.
- The broad deployment of digital technology requires rethinking both business and operating models: it changes the way an organization works and can create value
- Analytics and data make the difference: they drive performance, long term growth and adaptability
- IT and OT convergence is key to succeed; new skills are required
- Early IoT investments are driving results: productivity improvements and reduction in operating costs, improved quality and better coordination with customers

Peter Rozek
Country Sales Director Central and
Southeastern Europe
Rockwell Automation

16:00 Afternoon Tea and Networking Break 

16:30 Panel Discussion 

Predictions for the Manufacturing Industry

- The need for digital transformation, new ways of innovating, more integrated IT and operations, business security and rethinking the future of work

With speakers of the day
Moderated by the Chairperson

17:00 Chairman's Closing Remarks & End of Summit



Eric Prévost has an Industry leader role within the Oracle Industries Solution Group. Eric is developing the global strategy and solutions for Industry 4.0 and Service Transformation with emerging technologies IOT, Cloud, Blockchain, Virtual/Augmented reality, Artificial Intelligence. He has 20 years of experience working in digital strategy roles for Manufacturing sector. Eric has also a deep cross-industries and international experiences on innovation practice, IT/Business Strategy, Design Thinking, Service and Digital transformation areas. His career experience includes senior positions in management and Digital Transformation consulting at IBM Global Services and Capgemini, and 6 years leading the Automotive and Manufacturing innovative solutions at Oracle. Eric was digital director and head of business/IT consulting team in Capgemini Manufacturing business unit. He supported leading edge companies to build and implement their innovative transformation journey to address new services business including new pay per use business and financial models. Eric also covered roles of CIO and head of Enterprise Architecture for numerous IBM's customers to implement new IT organizations and IT transformation roadmaps for supporting digital transformation including all technology stacks from Infrastructure to business application. Eric was also the BPM Practice Leader in Capgemini, co-author of "BPM: Modeling through Monitoring" IBM book, and author of several papers on BPM and Innovation practices for business. Eric is also the president of the TRIZ-France innovation association in charge of developing innovation practices in France and worldwide innovation cooperation; and Active member of the IIC (Industrial Internet Consortium), Alliance of the Industry of the Future France, and Industry 4.0 working group at Syntec Numerique (1st Digital Professional French Association).



Michael Kohlert (Dr.-Ing.) was born in Halle/ Saale (Germany). He studied economy & engineering at the technical university of Kaiserslautern. 7 years of experience in the polymer film industry at the Klöckner Pentaplast GmbH & Co. KG and the Mondi Gronau GmbH in the following fields: R&D, Extrusion, Printing, Lamination, IT, and Automation. As Head of Information Management & Automation at the Mondi Group in Gronau he is strongly involved in practical development projects within Industrie 4.0. Since 2012 Dr. Kohlert offers consultancy work for companies additionally.



Josef Kriegmair works as Representative Production Turbine Blade / Structure Castings at MTU Aero Engines AG Center Production. His focus is on developing and implementing digital process chains, CAD/CAM methods, NC simulation solutions, manufacturing intelligence for turbine blades and structure castings. Prior to this, he was in technical procurement, logistics & plant maintenance, production engineering focus technology development for production and maintenance, repair & overhaul at MTU Aero Engines.



SENNHEISER

Dr. Axel Schmidt studied mechanical engineering with focus on applied mechanics and information technology at the Technical University of Clausthal. After completing his doctorate in the field of machine acoustics in 1998 he joined the company Sennheiser electronic as a project manager in product development. From 2001 to 2005 he was in charge as program manager for microphone development. Since 2006 he is the responsible Director for Manufacturing Engineering at Sennheiser.



Dr Patrick McLaughlin is a Chartered Engineer and Eur Ing. He is a Fellow of the Institution of Mechanical Engineers, the Institution of Engineering and Technology and the Higher Education Academy. He has an MSc in Industrial Engineering and Production Management and a Doctorate in Business Administration, both from Cranfield. He has worked in SME manufacturing industry at director level for over 20 years, and been responsible for several plant-wide lean manufacturing implementations. At Cranfield University he is Course Director for the Operations Excellence MSc programme, and leads the National Manufacturing Debate and National Apprenticeship Competition. He teaches in the areas of Manufacturing Strategy Development and Deployment, Innovation Management, and Operations Excellence. His research interests include leadership appropriate to maximising the benefit of disruptive innovation and disruptive technology; the impact of organizational culture on employee engagement and behaviour in operations environments; and the development and management of innovation within a manufacturing environment.



Thomas Schulz studied Mechanical Engineering at the Budapest University of Technology. The main focus of his studies were on the planning of manufacturing processes, production logistics, information technology and control engineering. He has published his experiences in over 35 individual publications mostly in practice-related journals but also in conference proceedings. As a member of the working group on reference architecture, standards and standardization of the platform Industry 4.0, he is author and co-author of numerous publications. He is a member of the authoring team for the implementation strategy for Industry 4.0, reporting on the results of the Platform Industry 4.0 and the reference architecture model Industrie 4.0 (RAMI 4.0). In recent years he has presented, in Germany and abroad, at over 60 German and English spoken lectures on Industry 4.0 and participated in numerous podium discussions. He is currently responsible for medium-sized and partner business in the German speaking region as well as Central and Eastern Europe in the GE Digital division at General Electric (GE).



Adam Gąsiorek, MSc - R&D Director at Transition Technologies PSC heading experiments, research and implementation activities around Product Lifecycle Management, Augmented, Mixed and Assisted Reality, Internet of Things and Information Retrieval solutions supporting Industry 4.0 concepts. Mr. Gąsiorek is a strong advocate of agile methodologies and culture of innovation. He focuses on international cooperation with R&D teams towards smart & connected products and operations with multi-user collaborative virtual environments for industrial use-cases leveraging the concepts of Digital Twins. Mr Gąsiorek is also in charge of participating in EU funded projects within H2020 program in ICT, FoF (Factories of the Future), LCE (Low Carbon Energy) work-streams.



Riikka Virkkunen's main responsibilities at VTT are the preparation of the Industrial Renewal strategy for VTT and nationally, boosting internationalization and European research (e.g. Factories of the Future, ICT, robotics) and promoting innovation hubs. Previously, she worked as Head of research area System Engineering, leading a hundred-twenty-experts-strong department with a significant international portfolio. Since 2017, Virkkunen is coordinating FIIF, the Finnish Industrial Internet Forum, with ca. 250 member organizations of which about 200 are companies. She is heavily involved in European activities such as the Digitalizing European Industries (DEI) discussion, European Factories of the Future Association (EFFRA), I4MS, Manufacture and evaluation of innovation programs and hubs. She is a member of the Factories of the Future partnership board. Virkkunen holds a PhD in computational materials physics.



Robin Tech is the co-founder and managing director of AtomLeap — a high-tech startup analyst, investor, and accelerator company based in Berlin. Outside of AtomLeap, he is the principal investigator of a research group that focuses on the entrepreneurial exploitation of the IoT, while his doctoral thesis focused on high-tech startups and how their complexities affect financing constraints. Prior to this, Robin studied Economics at Zeppelin University (BA), Engineering and Sociology (MSc) in Stockholm, and did his MBA in Hong Kong. He also worked in venture capital (2007), held a position an art curating office in Moscow (2009), worked for AUDI on inductive charging systems (2010-2011), and at the European Commission's EIT Labs (2012-2013) in the field of renewable energies and electric vehicles.



Filip Geerts is a professional in international, EU and national public and regulatory affairs. He is specialised in the management of corporate and governmental affairs departments of companies, national and EU trade associations and non-profit organizations. He was deputy-director for the largest Belgian association for the technological industry, public and regulatory affairs manager for IBM Europe, Middle East and Africa and secretary general for numerous European trade associations in e.g. the ICT, the electro-medical, lighting and environmental sector. He has degrees from Insead Fontainebleau and Singapore, London School of Economics, Vlerick, College of Europe, The Catholic University of Louvain-la-Neuve and the Catholic University of Leuven as in commercial engineering.



Aleš Ude received a degree in applied mathematics from the University of Ljubljana, Slovenia, and the Ph.D. degree from the Faculty of Informatics, University of Karlsruhe, Germany. He was awarded the Science and Technology Agency fellowship for postdoctoral studies at ATR in Japan. He is currently the head of Dept. of Automatics, Biocybernetics, and Robotics, Jožef Stefan Institute, Ljubljana. He was a principal investigator in several FP6, FP7 and Horizon 2020 projects and is currently a coordinator of I4MS innovation action ReconCell. His research interests include robot learning, humanoid robotics, and application of robotics in factories of the future.



Raquel Ledo studied MSc in Telecommunication Engineering by the University of Vigo (Spain) with a degree of Research Proficiency and Advanced Studies and a Master in Automobile Enterprises Management by the University of Vigo. With more than 14 years of experience, Raquel is currently working as Head of the Materials Innovation Area in CTAG (Automotive Technology Centre of Galicia). Before joining CTAG, Raquel worked as Project Manager for an automotive TIER 1. Afterwards, she worked in PSA Peugeot Citroën for 3 years.

During the last 9 years, Raquel has been using her project management experience for R&D project management in CTAG. By the time, she was directly involved in more than 10 EU projects (FP7 and H2020). Raquel also works with the European Commission as Expert Evaluator in H2020 – SME Instrument and FET- Open programmes.



Otto Schell is Digital Transformation Advisor at PDAgroup – Innsbruck/Austria. He is Member of Board of Directors DSAG e.V. - IoT / Business Transformation, Globalization and contact to the international SAP User Groups. At Opel Automobile GmbH (PSA Group) he is the Global Enterprise SAP Business Architect & Head of CCoE. He also is CEO of the Diplomatic Council Otto Schell Institute for Digital Transformation. Next to this he is visiting lecturer at Management Center Innsbruck and HSRM Business School Wiesbaden. He published articles, whitepapers and is Co-Author of "Industrie 4.0 with SAP" at SAP Press (German). Newest project is arewereto.co and www.gperfect.net.



Enrico Callegati. Holding a Master's Degree in Intellectual Property Management from Bologna Business School, he started working for the Council of the European Union and the Italian Institute for Industrial Promotion, where he contributed to the design and implementation of public funding initiatives to support research, innovation and technology transfer. Since 2010, he works for CRIT, a technology brokerage company belonging to a cluster of large manufacturers located in Northern Italy (including Ferrari, ALSTOM, CNH Industrial, Tetra Pak), where he is responsible for all activities related to R&D funding, including open innovation projects design, research results valorization, and support to innovative start-ups.



Peter Rozek. Country Sales Director Central and Southeastern Europe, Rockwell Automation. More than 20 years of experience in Industrial Automation, predominantly in sales and sales management. His expertise is in supporting customers in their digital transformation journey, helping them to implement complete solutions leveraging OT & IT technology. He leads activities of Rockwell Automation in Central and Southeastern Europe.



Helena Almqvist is Managing Director of Protex Balti AS, leading provider of advanced textile solutions to Scandinavian market. The company is a subsidiary of Protex AS (Norway) and currently employs 230 people in Estonia. She started her career in Protex as Chief Business Development Officer in 2012, implementing a broad restructuring of the business portfolio towards high profile technical customers. Today Protex technical/ smart portfolio is fast-growing and represents 49 % of total turnover and the company has entered strong strategic partnerships with European frontrunners in ICT, electronics, and R &D. She has a diversity of public appointments such as Chairman of Norwegian Chamber of Commerce and Board member of Foreign Investors Council in Estonia (FICE). Background from Business Sweden, Wireless Car, and Swedish Foreign Ministry. Education: M. Sc. In Business Administration, Gothenburg University of Economics and Commercial Law, Strategic Management Program at Stockholm School of Economics Executive Education (SSE Riga). Helena is passionate about innovation, business development, and entrepreneurship.



George Chryssolouris is Professor (1993-) and was the Chairman between 2003 and 2007 in the Department of Mechanical Engineering and Aeronautics / Laboratory for Manufacturing Systems and Automation (LMS) / University of Patras / Greece. He was, for 2006-2007, the President of CIRP, the Paris based leading International Academy for Production Engineering. He is a member of the High Level Group of the European Technology Platform on Manufacturing (Manufuture) and former Vice Chairman of the European Factories of the Future Research Association (EFFRA). Professor Chryssolouris worked at MIT (Massachusetts Institute of Technology) in the USA between 1980 and 1993. He led a research group for the development of information systems and automation for industrial applications. He taught at MIT undergraduate and graduate level subjects related to manufacturing, systems, design and automation. He worked (1976-1980) as a research associate at the Institute of Manufacturing Technology and Machine Tools at the University of Hannover in Germany. Professor Chryssolouris has more than 400 publications in international scientific journals and refereed conferences. He is the author of two books published by Springer Verlag. He was granted the Frederick W. Taylor Research Medal by SME (2001) for his outstanding contributions to manufacturing research. He was also the recipient of SME/s Young Outstanding Manufacturing Engineer Award (1986).