



Future of Artificial Intelligence and Cobots for Manufacturing



November 25th-26th 2019
Amsterdam, the Netherlands



FEATURED

- Accelerating AI technology and integrate Big Data and cloud computing networks
- Moving towards AI, Automation and Analytics: Triple-A Lessons from Ericsson
- Programming of robotics to perform and training its sense
- Accelerating the Quality 4.0 approach for manufacturing sector - Maintaining
- Will Augmented Reality (AR), Virtual Reality (VR), and 360 technology improve collaboration in manufacturing sector?
- How additive manufacturing can add value to manufacturing sector?
- How AI will take advanced analytics to the next level
- Converging AI with the Cloud

SPEAKERS:

Martin Mimer
Senior TPS Specialist &
Regional Manager
**TOYOTA MATERIAL
HANDLING**

Pietro Valsecchi
Operational Excellence
Covestro

Viktor Schulz
Data Scientist
STAR GROUP

Maher Chebbo
Chief Innovation
Officer
GE

Milan Parmar
Head of Service Management -
Europe & Latin America
Managed Service Delivery
ERICSSON

Kari Terho
General Manager, Smart
Factory, Industrial IoT, New
Business Development
ELISA

Alan Grogan
Executive Leader - Data,
Analytics, AI and IoT
Platforms
IBM

Josef Kriegmair
Representative
Production Turbine
Blade / Structure
Castings
MTU ENGINES

Heiko Witte
Head of Engineering
Improvements and
Quality
ROLLS-ROYCE

Redland Sanders
Technical Director -
Digital Marketing
DHL Group

Mark Daly
Digital Industries
Analyst
BloombergNEF



Monday, 25th of November - Day 1

08:30 Registration & morning coffee

09:00 Opening address from the Chair

KEYNOTE ADDRESS

09:10 Moving towards AI, Automation and Analytics: Triple-A Lessons from Ericsson

- Improving performance and operational efficiency through current technology updates and advancements
- Achieving efficiency and productivity in user and end customer experience
- Adapting the best practices of the triple-A and achieving success

by **ERICSSON**

09:50 AI in the financial sector exemplified by price management

- Advantages and challenges of advanced analytics for large amounts of data
- Outlier detection due to deviations between current data and forecast
- Investigating churn analysis and behavior segmentation
- Critical remark on the application of advanced analysis

by **STAR GROUP**

10:30 Coffee Break – Ice-breaking session

11:00 **Improving Safety in Human-Robot Collaborative Manufacturing Environments**

- Improving Safety in Human-Robot Collaborative Manufacturing Environments
- Current progress and progress of the human – robot collaboration
- Case study of logistics automation
- Q&A

by **FAKAF3 MATERIAL** : 3@6>@9

11:40 AI in the manufacturing Supply Chain Optimization

- Using AI algorithms to sense for classification of products and transportation
- Accelerating the AI sensors to track engine performance
- Establishing a Machine Learning (ML) strategy for Supply Chain Planning (SCP)
- Discovering Autonomous Vehicles for Logistics and Shipping

by **DHL Group**

12:20 Lunch

13:20 Accelerating the Quality 4.0 approach for manufacturing sector - Maintaining

- Maintaining high levels of Quality 4.0. approach, and complying with the quality regulations and standards
- Involving the use of AI algorithms to notify manufacturing teams of emerging production errors
- Collecting data about the use and performance of products Quality 4.0

14:00 How AR/VR are changing the way we work. Hype, challenges, and opportunities

- Three pillars of digitalization
- The digital twin with missing limbs
- Virtual Reality from games to effective training
- Augmented Reality and applications

by **COVESTRO**

14:40 Coffee & Networking Break

15:10 Enhancing operational processes with AI algorithms

- Optimizing manufacturing supply chain procedures with AI algorithms
- Formulating estimations of market demands
- Improving staffing, inventory control, and energy consumption
- How is AI revolutionizing manufacturing?

Available for Sponsor

15:50 Accelerating AI technology and integrate Big Data and cloud computing networks

- Learning the cognitive services: Big Data, Cloud computing and IoT
- What is the relationship between Big Data, IoT and cloud computing?
- Discovering integrated platforms and how everything becomes serverless
- Moving from Big Data to continuous data

by **IBM**

16:30 Coffee & Networking Break

17:00 Developing robotics in agriculture: Farmbots

- Optimizing and automating small-scale agriculture operations
- Ensuring optimal growing conditions of farmbots
- Discovering farmbot's software, hardware and 3D CAD model
- Driving down the cost of operations and technology

ROUND TABLE DISCUSSION

17:40 Global competition for AI Industrial robotics

- Developing a competitive strategy of implications AI for business leaders
- Improving technical fields of AI and robotics
- Enhancing control engineering to AI
- How competition does heat up between major economics

18:20 End of Day One – Closing word from the Chairman

Tuesday, 26th of November - Day 2

08:45 Morning coffee

OPENING ADDRESS

09:10 Current progress and challenges of AI in Modelling and Simulation

- Reviewing the System Theory and Framework for Modeling and Simulation
- How do you combine machine learning and physics-based modelling?
- Integrating AI with simulation modelling
- What is the effect of AI and simulation on business and industry?

by GE

09:50 Elisa Smart Factory: Boosting productivity with Industrial IoT and AI

- Manufacturers need real-time, E2E visibility to their operations to increase operational efficiency.
- Connecting to all data sources and harnessing real-time data is the foundation for sophisticated analytics and predictive insights, which will help you make better decisions.
- With help of Elisa Smart Factory, global manufacturing companies increase machine uptime, production quality and yield, engineering, design customization, production and operations

by ELISA

10:30 Coffee Break – Ice-breaking session

11:00 How additive manufacturing can add value to manufacturing sector?

- Discovering new applications and new 3D printing materials
- Can hybrid additive manufacturing become cost-effective?
- Focusing on streamlining pre- and post-production processes
- Building a culture of resilience and speed

11:40 Digital Manufacturing of Jet Engines Parts

- Impact of the interface product design - production planning on time to market
- Topologies in production engineering
- Fast ramp via simulation
- Agility in production via software-defined tools
- Data as an enabler manufacturing

by MTU ENGINES

12:20 Lunch

13:20 How AI will take advanced analytics to the next level

- Controlling the manufacturing processes on facts, not guesses
- Gaining smoothless digital transformation with advanced analytics
- Improving and process's capabilities by analytics' technology suppliers
- How much and how fast will AI transform the manufacturing industry?

14:00 Ensuring a workplace safety with a help of AI

- Preventing accidents and disasters that can cause threats of workforce
- Overcoming threats with the use of artificial intelligence
- Analyzing current policy recommendations for a safe and secure use of AI
- Creating a clear and robust product liability framework

14:40 Coffee & Networking Break

15:10 Will Augmented Reality (AR), Virtual Reality (VR), and 360 technology improve collaboration in manufacturing sector?

- Seeing how virtual technologies allow manufacturers, suppliers, engineers, and investors to collaborate and communicate
- Allowing for more up to date information, troubleshooting, and reporting on projects
- Helping manufacturers to simulate and visualize designs without needing to actually build prototypes
- Reducing time during the development phase of projects

Available for Sponsor

15:50 Digitisation in Aerospace Manufacture – Opportunities for AI and VR/AR

- Specific challenges for digitisation in the Aerospace industry
- Digitisation – New technologies paired with changes in culture and way of working
- Opportunities for process improvements and product evolutions
- AI providing insights into process and product
- VR/AR implementation in manufacturing

by ROLLS-ROYCE

16:30 Coffee & Networking Break

17:00 Predicting the future of manufacturing digitalization: business models, players, and case studies

- The status of digitalization across industry today
- Case studies of how manufacturers globally are digitalizing
- Technology providers and software cost

by BloombergNEF

ROUND TABLE DISCUSSION

17:40 What roles AI and robotics are playing in the manufacturing industry?

- Minimizing labor costs with the help of AI
- Improving productivity and efficiency of operations
- Enhancing damage control and quick maintenance

18:20 Closing word from the Chairman and End of Conference

For speaking opportunities, please contact emma.jones@prima-eventi.com

Future of Artificial Intelligence and Cobots for Manufacturing FORUM 2019

25th – 26th of November 2019 Amsterdam, The Netherlands

AICM FORUM.



Please complete this form, scan and send to:

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