CONFERENCE & EXPO

WEAUTOMOTIVE GROUP

STUTTGART, EU

13 JUNE 2024

FILDERHALLE CONVENTION & EVENT CENTER
| STUTTGART

SMX

SMART
MANUFACTURINGX
SUMMIT EUROPE

NEXT-GENERATION AUTOMOTIVE: ENHANCING MANUFACTURING PROCESS AND PERFORMANCE THROUGH DIGITAL INNOVATION

AUTOMOTIVE

| REDUCE COST | SUSTAINABILITY GOALS | INCREASE CAPACITY | CYBER SECURITY | IOT & AI | MASS CUSTOMISATION | SMART FACTORIES | DIGITAL TWIN | LEVERAGING SMART TECHNOLOGIES |

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CUTTING-EDGE INSIGHT **DELIVERED BY EXPERTS** AND **THOUGHT LEADERS** INCLUDING:

Our programs are diligently researched and curated in partnership with the Smart Automotive Manufacturing community, to **ensure they address the most pertinent current challenges and key investment areas.** This level of detail is part of our pioneering approach to content and ensures that we attract the highest level of attendees

Daniel Knödler
Global Automotive
Leader | IBM

Juan Carlos Garcia
Business Developer Manager
| Eines Vision Systems

Rainer Weigle
Head of Solutions
| Schneider Electric

Dr. Paulina Sierak
Group Leader Data
Efficient and Automated
Learning | Fraunhofer IIS

Dr. Ulrich Wolters
Head Of Product Area Bosch
Semantic Stack | Bosch

David Bergfeld
Head of Enterprise Software
Sales – Central Europe
| Rockwell Automation

Werner Reichelt
Head of Sales Digital
Business | Festo

Dr. Tarek Kasah
Partner | McKinsey &
Company

Dr. Stefan Muthmann
Manufacturing Field Sales
Director | DELL

Srinivasan Krishnamoorthi
Global Head of Virtual
Training Solutions | Siemens

Andreas Hoell
Technical Account Manager
VW Group | SICK

Jörgen Ottosson
CEO | OCS Overhead
Conveyor System AB

Peter Mair
Director EMEA Auto &
Tire, EV | Kalypso

Roger Hebert
Sales Manager
| Boston Dynamics

Michael Scholz
DELMIA Expert Senior
Specialist
| Dassault Systèmes

Gianfranco Ruggiero
Senior Product Manager
| AutoForm

Robert Koopmann
Head of Technics Germany
Technical Center
| FANUC Germany

Marvin Thiele
Co-Founder
| Visense

Michael Koper
Director, Industry 4.0
Digital Software
| Eines Vision Systems

Torsten Fingerhut
Automotive Director
| FANUC

Katerina Mouliadou
Innovation Lead
| ATS Global

Juan Carlos Garcia
Business Developer Manager
| Eines Vision Systems

George Geros
Commercial Director
| Embotech AG

Terry Onica
QAD Automotive Director
| QAD

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JOIN EUROPE'S **LARGEST EVENT - DEDICATED TO NEXT-GENERATION** AUTOMOTIVE SMART MANUFACTURINGX

Take part in this industry leading event where Smart Factory leaders representing global OEMs and their key suppliers, explore future factory trends, innovations and disruptive technologies shaping the future of vehicle manufacturing

Our programs are diligently researched and curated in partnership with the Automotive Manufacturing community, to ensure they address the most pertinent current challenges and key investment areas. This level of detail is part of our pioneering approach to content and ensures that we attract the highest level of attendees. **SMX EU** provides our attendees with a high-end experience, and unparalleled technical-conference agenda as well as the opportunity to engage with full decision-making faculties all under one roof – in a welcoming, personable environment

AUTOMOTIVE SMART MANUFACTURINGX, IoT, Industry 4.0 and AI will continue to disrupt the automotive manufacturing space, giving rise to smart connected factories, digitalization of operations, advanced network capabilities and seamless data exchange. Connected factories area a culmination of the internet of Things IoT, Predictive Analytics, Blockchain, AI, Machine Learning, Mobility, 5/6G, Cyber Security and innovative immersive technology

As part of WeAutomotive Group's premier xEV event portfolio, **SMX USA** and **SMX EU** , have become the premier events for manufacturing leaders, engineers, maintenance heads, CTOs, technologists and experts alike, to collectively address the key challenges and industry innovations surrounding the utilization of smart technologies, paving the way for a digitally accelerated and advanced low carbon future. This conference analyses The Connected Factory, Data And Analytics, Robotics And Automation, Cybersecurity, Digital Twins, augmented/Mixed Reality, Asset Performance Management And Sustainably

You are invited to join over 400 OEM automotive engineers involved in the design and implementation of digital production solutions and production data management, at North America's largest technical conference and exhibition for automotive smart manufacturing professionals – where experts will engage during a series of case study presentations, interactive panels, and unparalleled networking opportunities

KEY TOPICS

Cloud Architecture To Facilitate The Move To A Smart Manufacturing Future

The Emerging Role Of Artificial Intelligence To Control Automotive 4.0 Inspections And Improve Data Analytics Allowing The Production Line To Operate Continuously Without Impacting Overall Throughput

Reaping The Benefits OfDigitilizing And Modernizing Operational Technology (OT) To Bridge The Divide Between IT And OT Teams, Enabling People, Processes, And Technology To Seamlessly Work Together

End-To-End Body Manufacturing Lines Increases Flexibility To Accommodate Completely Random Production Flow That Extends To Model-Specific Assembly, Welding And Quality Inspection

Using 3D Printed Jigs And Fixtures To Reduce Cost, Improve Safety And Boots Efficiency

The Evolution Of Efficient Artificial Intelligence Algorithms Combined With Hardware That Allows Automotive Manufacturers To Streamline Process, Reduce Human Dependence Throughout The Value Chain, And Deliver Improved Results

Recognizing The Key Challenges In Bringing Smart-Factory Cyber Security Up To Speed And The Steps Required to Mitigate Attacks

Strategies To Overcome The Growing Cyber Threats That Can Be A Menace In Smart Manufacturing Environments

Ensuring Automotive Manufacturing Facilities Are Ready To Meet The Emerging Demand For Automated Electric Vehicle Production

The Growing Role Of AGVs In Smart Manufacturing Environment: Using Data And Automation To Reach Your Destination Without Congestion

With Sustainability Now An Integral Part Of Industry Transformation: What Are The Major Factors To Be Considered by Automotive Manufacturers For Transformation?

Converging On A Zero-Trust Blueprint To Close The Security And Safety Gaps In The Automotive Industry

By Implementing Augmented Reality (AR) Solutions On The Factory Floor, Automotive Manufacturers Have Established An Entirely New Avenue For Improving The Key Performance Indicators Of Manual Assembly And Maintenance Operations

Java-Based HMI/SCADA Offer An OS-Independent Product, But Some Java-Based HMI/SCADA Systems Come With Disadvantages Are They Worth The Risk?

The Benefits Of Deploying New Generation HMI/SCADA Systems In Smart Manufacturing Environments

Embracing The Opportunities Offered By Industrial 4.0 To Optimize Processes For Better Productivity

Shifting Gears With AI-Driven Generative Design For Automotive Manufacturing

Empowering Automotive Manufacturers To Reduce Unscheduled Downtime, Prevent Equipment Failure And Reduce Maintenance Costs While Increasing Asset Utilization With Asset Performance Management (APM 4.0)

Ensuring Quality Management Keeps Pace With the Digitalization Of The Automotive Sector With The Advent Of Smart Manufacturing

Realizing Value From Digital Twin Investment In Automotive Manufacturing

07:30

Registration | Breakfast Reception

08:10

Chairman's Welcome

08:20

THE AGE OF AI

The State Of Smart Manufacturing: Practical Steps To A Real World Digital Transformation In The Age Of AI

David Bergfeld, Head of Enterprise Software Sales - Central Europe, **Rockwell Automation**

- Insights from the ninth annual edition of 'The State of Smart Manufacturing' report
- How to be ready for the smart manufacturing, AI-enabled future - life favors the prepared
- Understanding the opportunities that smart manufacturing offers and selecting the best option to meet requirements
- Effectively implementing smart manufacturing solutions and organizational change management (partnering people with technology) to deliver successful outcomes
- Evaluating the benefits of smart manufacturing technologies and developing a culture of continuous improvement

08:40

OEM Panel
DRIVING EFFICIENCY

Smart Automotive Manufacturing In The Digital Age

The automotive industry is rapidly evolving with advancements in technology, particularly in the realm of smart manufacturing. This panel discussion will delve into the innovative strategies and technologies driving efficiency and productivity in automotive manufacturing processes.

- Explore how the Internet of Things (IoT) and Artificial Intelligence (AI) are revolutionizing automotive manufacturing, enabling predictive maintenance, real-time monitoring, and adaptive production processes
- Discuss the role of digital twins and simulation in optimizing production workflows, reducing time to market, and enhancing product quality through virtual prototyping and testing
- Examine the impact of robotics and automation on assembly lines, highlighting advancements in collaborative robots (cobots), autonomous mobile robots (AMRs), and automated guided vehicles (AGVs) for increased flexibility and agility
- Explore how data analytics and visualization tools are being utilized to analyze vast amounts of manufacturing data, uncover insights, and optimize decision-making processes for continuous improvement
- Address the cybersecurity challenges inherent in smart automotive manufacturing, including protecting sensitive data, securing interconnected systems, and mitigating potential cyber threats to ensure operational resilience
- Examine strategies for optimizing supply chain management in the automotive industry, leveraging smart technologies such as blockchain for transparent and efficient logistics, inventory management, and supplier collaboration

- Highlight the importance of workforce upskilling and training programs to empower employees with the necessary skills to thrive in an increasingly digitalized manufacturing environment, fostering innovation and competitiveness

09:20

DRIVING SUSTAINABLE MANUFACTURING

Sustainability Meets Efficiency: How AI is Shaping the Future of Manufacturing

Dr Paulina Sierak, Head of Data Efficient Automated Learning, **Fraunhofer Institute of Integrated Circuits (IIS)**

- How can AI be used for more efficiency and especially higher sustainability within smart factories?
- What does it mean to develop, operate, and maintain an AI solution?
- Why should you care about sustainability and efficiency of AI itself?
- Which resources do you need to set up a proper AI system and how can you be more efficient in doing so?

09:40

GENAI TO UNLOCK AI

Clearing Data-Quality Roadblocks With GenAI To Unlock AI In Manufacturing

Tarek Kasah, Partner, **McKinsey, and Company**

- Overcoming data quality challenges to unleash AI's potential in manufacturing Understanding the critical role of reliable data and the common roadblocks like data silos that must be overcome and strategies for integration
- Revealing the significance of a comprehensive data quality program, involving data governance and advanced analytics
- Appreciating the impact of high-quality data on AI applications, enhancing efficiency, decision-making, and overall manufacturing processes
- Explaining the need for organizations to prioritize and invest in data quality to fully leverage the transformative power of AI in the manufacturing sector

10:00

FUTURE-PROOF INFRASTRUCTURE

The Imperative Need For A Future-Proof Infrastructure Architecture For Smart Factories In The Automotive Manufacturing Industry

Dr. Stefan Muthmann, Manufacturing Field CTO, **Dell Technologies**

- Understanding the future of automotive manufacturing, including the evolving nature of vehicles and their lifecycles, is essential for defining appropriate infrastructure requirements
- How the rise of electronics in vehicles, advancements in ADAS/AD development, electrification, and growing connectivity pose challenges and opportunities the significance of a future-proof data center that can handle the vast amounts of data generated by connected vehicles and smart factories
- The growing size of factory data centers and the importance of infrastructure that can adapt and scale with the increasing data demands
- Why the future automotive Smart Factory is envisioned as a connected ecosystem extending from customers to suppliers, emphasizing the role of data, AI, and a future-proof infrastructure in shaping this transformative landscape

10:20

VISION AI-BASED TECHNOLOGIES

Emerging Vision AI-Based Technologies For Automation In The Paint Shop

Juan Carlos Garcia, Business Developer Manager, **Eines Vision Systems**

- Understanding how vision AI technologies are revolutionizing automation in the paint shop, offering advanced capabilities for quality inspection, defect detection, and colour matching
- Leveraging machine learning algorithms to analyse visual data in real-time, enabling faster decision-making and improving overall process efficiency
- Implementing vision AI-based systems automotive manufacturers can enhance product quality, reduce rework, and minimize waste, ultimately leading to cost savings and increased productivity
- Integrating vision AI technologies in the paint shop to enable predictive maintenance, allowing for proactive identification of equipment issues and preventing costly downtime
- Embracing emerging vision AI-based technologies to stay competitive and meet the demands for higher quality standards and production efficiency in the paint shop

10:40

Morning Networking Break

11:20

HARNESSING DATA

Driving Efficiency By Harnessing Data To Optimize Automotive Supply Chains

Katerina Mouliadou, Innovation Lead, **ATS Global**

- Exploring the significance of real-time data analytics in monitoring and managing various aspects of the automotive supply chain, including inventory levels, production schedules, and logistics operations
- Discussing the role of predictive analytics in forecasting demand, enabling automotive manufacturers to anticipate market trends, optimize inventory levels, and minimize stockouts and excess inventory
- Highlighting the importance of data-sharing and collaboration with suppliers to improve visibility across the supply chain, streamline procurement processes, and mitigate supply chain disruptions
- Examining how data analytics tools can optimize production planning by analyzing historical

production data, identifying bottlenecks, and optimizing resource allocation to improve efficiency and reduce costs

- Emphasizing the value of end-to-end visibility in the automotive supply chain, enabled by data integration and analytics, to track materials, parts, and vehicles throughout the entire manufacturing and distribution process, ensuring timely deliveries and customer satisfaction

11:40

EMPOWER THE AUTOMOTIVE WORKFORCE

Upskill, Reskill, Qualify, And Empower The Automotive Workforce With Next Generation 3D Immersive, Interactive, And Gamified Virtual Training Solution To Accelerate Smart Manufacturing

Srinivasan Krishnamoorthi, Global Head of Virtual Training Solutions, **Siemens**

- The key to success of winning the smart manufacturing race in automotive is well-trained, agile, and empowered diverse workforce who can efficiently manage todays needs and are also future-ready. How this can be enabled and accelerated by next generation virtual training solutions which leverages existing 3D CAD models, digital twins, machine, and lines together with the procedures to convert them into more 3D immersive, interactive, and gamified training
- Understanding how virtual training can be instantly delivered on multiple platforms like web via any mobile device or VR goggles or classic desktops or on shopfloor work instructor screen as well
- Learn how next generation virtual training solutions makes training more sustainable and EHS compliant
- Explaining how virtual training solutions and experience of many customers confirms that automotive players are benefiting from reduction of training time by up to 50 percent, achieving quality improvements by up to 40 percent by reducing manual mistakes

12:00

GENERATIVE AI AND FOUNDATION MODELS

How Artificial Intelligence, And Specifically Generative AI And Foundation Models Will Accelerate The Transformation Of The Automotive Industry

Daniel Knoedler, Global Automotive Leader, **IBM Technology**

- Learn how automotive companies can leverage AI and data platforms to gain significant efficiencies across the whole value chain
- Gain insights on how automotive manufacturers can develop a competitive advantage with the help of GenAI.
- Understand how to take advantage of the latest AI technology and to learn from experts and industry peers
- Learn how the IBM watsonx platform allows OEMs to train and deploy AI models or build their own – in order to excel in all enterprise areas
- Discover how AI and foundation models can be used in a responsible and trustful way

12:20

OPTIMIZING SUPPLY CHAIN PRODUCTIVITY & SUSTAINABILITY

Optimizing People, Processes, And Systems For Automotive And Supply Chain Productivity And Sustainability

Terry Onica, QAD Automotive Director, **QAD**

- Provide an overview of today's disruptive and strategic supply chain challenges that impact the automotive industry, setting the stage for transformative solutions
- Introduce QAD's 24 Essential Supply Chain Processes for improving overall supply chain performance and sustainability in manufacturing
- Detail the three-steps to effectively integrate the 24 Essential Supply Chain Processes across quality, supply chain, sustainability, and IT teams to maximize performance and resilience
- Explore the technological advancements necessary for end-to-end automation of these processes, emphasizing the role of ERP systems, real-time data, and digital workflows in enhancing operational efficiency
- Share case study examples on leveraging QAD's 24 Essential Supply Chain Process approach and industry standards to improve operational performance

12:40

EMPOWER MANUFACTURING SUPPLY CHAINS

How To Empower Manufacturing, Supply Chains And Service Providers To Efficiently Plan, Manage, Optimize, And Execute Their Operations?

Michael Scholz, DELMIA Expert Senior Specialist, **Dassault Systèmes**

- Empowering automotive manufacturing, supply chain, and service providers by providing them with the tools and strategies needed to efficiently plan, manage, optimize, and execute their operations
- Discussing the importance of robust planning processes to anticipate demand, allocate resources effectively, and optimize production schedules. This includes leveraging data analytics, forecasting techniques, and simulation models to make informed decisions
- Exploring techniques for streamlining operations, reducing waste, and improving productivity across the manufacturing, supply chain, and service sectors. This involves implementing lean principles, agile methodologies, and continuous improvement initiatives
- Highlighting best practices for optimizing production processes, inventory management, and logistics operations. This includes adopting automation, digitalization, and smart technologies to enhance efficiency and flexibility
- Providing insights into effective execution strategies to ensure smooth operations and timely delivery of products and services. This involves aligning workflows, monitoring performance metrics, and implementing agile response mechanisms to address disruptions

13:00

Networking Lunch Break

14:00

UTILIZING AUTONOMOUS ROBOTS

Utilizing Autonomous Robots For Inspections, Reliability And Maintenance

Roger Hebert, Sales Manager, Boston Dynamics And Spot, **The Agile Mobile Robot**

- Providing an overview of how autonomous robots are revolutionizing the automotive manufacturing industry
- Highlighting the capabilities of these robots in conducting inspections, ensuring reliability, and performing maintenance tasks autonomously
- Showcasing how autonomous robots leverage advanced sensors and AI algorithms to conduct thorough inspections of automotive components with unmatched efficiency and precision
- Illustrating examples of how these robots identify defects, anomalies, and quality issues in real-time, allowing for immediate corrective action
- Discussing the role of these robots in detecting early signs of wear, predicting maintenance needs, and preventing costly downtime through proactive maintenance strategies
- Learn capabilities of the quadruped robot, Spot, for reliable autonomous operations and understand the benefits for both inspection and 3D scanning tasks
- Hear how other automotive companies have adopted these robots
- See a live demonstration of Spot

14:30

THE DIGITAL THREAD

Why The Digital Thread Is Crucial To Digital Transformation

Peter Mair, Principal, Director EMEA Auto & Tire, EV, **Kalypso**

- Understanding that the foundation of digital transformation is a connected enterprise that unites and integrates information technology (IT) and operational technology (OT)
- Maximizing the benefits from the digital thread of information that spans the entire value chain
- Recognizing the importance of partnering with best-in-breed providers on a unified, open architecture for the automotive industry
- How to complete the work on closed-loop connectivity architecture among software solutions, starting from customer requirements
- Deploying the connected value chain software offering and tying in the software solutions with their respective physical twins to provide both virtual and real client experience

14:50

IT INFRASTRUCTURE AND SOFTWARE SOLUTIONS

IT Infrastructure And Software Solutions To Drive Smart Manufacturing

Rainer J Weigle, Head of Solutions and Sales, **Schneider Electric**
Tobias Ullrich, Software Leader DACH, **Schneider Electric**

- Understanding how the heart of industry 4.0 lies in the integration of technology into the infrastructure, networks, and key components of industrial systems
- How by leveraging software to control systems, provide data analytics, and facilitate continuous improvement, manufacturers can bridge communication gaps and empower personnel at all levels
- Explaining how the software-driven model enables the creation of an unbroken data flow, providing valuable design and manufacturing feedback to customers
- The advantages of a software-centric approach extend beyond transparent communication; it also streamlines operations by utilizing sensors to monitor various factors, from temperature and humidity to equipment status and job progress
- Embracing a software-first approach can ensure continued growth and evolution towards smart factories

15:10

DIGITAL TWINS

Just Do It! Driving Automotive Excellence: Out Of The Scaling Dilemma With Digital Twins

Dr Ulrich Wolters, Head of product area Bosch Semantic Stack, **Bosch Connected Industry**

- Overcome your automotive product challenges with data-driven decision-making
- Harmonize and enrich your data from across the product lifecycle with domain knowledge to optimize your product and all product-related processes
- Obtain full transparency on data from across the product lifecycle
- Utilize siloed, heterogeneous, and distributed data generated across the lifecycle of your product and its components by making it explorable, meaningful, and accessible for solutions that target your product challenges
- Scale and reuse product knowledge and data: Enable scalability through the reuse of data integration and meaningful data provisioning

15:30

ROBOTICS AND AUTOMATION

Manufacturing In Times Of Demographic Change: Robotics And Automation As Solution Providers

Robert Koopmann, Head of Technics Germany Technical Center, **FANUC Germany**

- Highlighting the demographic trends impacting the manufacturing industry, such as an aging workforce and declining birth rates
- Exploring the challenges posed by these demographic shifts, including labour shortages, skill gaps, and increased healthcare costs
- Emphasizing how robotics and automation can address the challenges of demographic change in manufacturing
- Showcasing examples of how advanced robotics technologies, such as those offered by FANUC, can streamline production processes, increase productivity, and reduce reliance on manual labour

- Discussing the specific benefits of robotics and automation for an aging workforce, including reduced physical strain, improved safety, and opportunities for upskilling
- Illustrating how robotic systems can complement the skills and experience of older workers, enhancing overall efficiency and output

15:50

Afternoon Network Break

16:30

AUTOMATED VEHICLE MARSHALLING

Unlocking Efficiency: Why Every Vehicle Factory Needs Automated Vehicle Marshalling (AVM)

George Geros, Commercial Director, **Embotech AG**

- Delve into AVM Technology to gain In-depth Insights
- Explore the core principles and mechanisms behind AVM technology and understand the key components and functionalities driving AVM systems
- Discover how AVM solutions are revolutionizing traditional factory vehicle movements
- Learn about the strategies employed to overcome logistical bottlenecks and streamline operations and unlock the untapped potential of AVM technology in diverse industries and applications
- Gain foresight into how AVM can transcend traditional factory settings and drive innovation across various sectors

16:50

PREDICTIVE DATA-ANALYTICS

Concepts, Trends And Examples Of Predictive Data-Analytics In Machines

Werner Reichelt, Head of Sales Digital Business, **Festo**

- Understanding why analyzing data predictively, will become a standard in modern machine concepts
- Learn about AI and why it must be avoided in data analysis
- Revealing the hurdles that manufacturers face today and the concepts in future
- Showing examples and best practices in various machines and applications

17:10

SMART PRODUCTION

Smart Production And Smart Engineering – A Winning Combination

Gianfranco Ruggiero, Senior Product Manager, **AutoForm**

- Explaining the goals of the sheet metal stamping industry in the age of smart manufacturing
- Understanding the pillars of a Smart Stamping Factory
- Discussing the role of process engineering in the creation of the physics-driven digital twin
- Revealing the challenges and opportunities of digitalization of a press line
- Providing an example of the application of a digital twin that utilizes real-time measured data

17:40

VISUAL MACHINE ERROR EXPLORATION

Increasing Productivity With Visual Machine Error Exploration

Marvin Thiele, Co-Founder, **Visense**

- Introducing the concept of visual machine error exploration as a crucial tool for enhancing productivity in manufacturing
- Highlighting the significance of quickly identifying and addressing machine errors to minimize downtime and optimize production efficiency
- Explaining the benefits of visually representing machine errors, such as faster troubleshooting, enhanced situational awareness, and improved decision-making.
- Discussing how visual machine error exploration streamlines the error resolution process by providing clear, actionable insights to operators and maintenance teams
- Illustrating how leveraging visual machine error exploration contributes to a culture of continuous improvement and operational excellence within manufacturing facilities
- Emphasizing the role of data analytics and machine learning in analysing error patterns, identifying root causes, and implementing preventive measures to optimize productivity over time

17:50

SMART LOGISTICS IN AUTOMOTIVE PRODUCTION

Sensor Solutions For Smart Logistics In Automotive Production

Andreas Hoell, Technical Account Manager VW Group, **SICK**

- Understanding why intralogistics in modern automotive car and supplier manufacturing facility the key towards an adaptable, flexible production is
- Explaining that traditionally the areas of production and intralogistics used to be different disciplines, which is not future proofed anymore
- Discussing production logistics in a smart factory that is characterized by high transparency in production and logistics processes, high flexibility, strong interconnection of machines, products, and processes and permanent process optimizations through data evaluation
- Revealing the digitalization strategies that need to be rolled out from OT to IT
- Discussing sensors, and sensor systems on the shop floor with high intelligence and standardized interoperability to IT systems, are needed to support these new demanding challenges

18:10

Chair's Closing Remarks

18:20

All Attendee Evening Drinks Reception

LEADING OEMs & BATTERY DEVELOPERS ATTENDING

| Who Is Attending

BMW Group, **CATL,** DAF, LG, Daimler Truck, **Samsung, Ferrari, Ford, Honda,** Hyundai, INVECO Group, **Jaguar Land Rover, Mercedes-Benz AG,** Stellantis, **Toyota, Volkswagen AG,** Volvo, MAHLE, **General Motors,** FCA, Daimler AG, **Lotus, Lilium, Volvo Group, Lucid Motors,** Rivian, Renault Group, **Fisker,** Lordsdtown Motor, **EDAG Group,** Rimac Technology, **Volvo Buses, Polestar,** XPeng, **AUDI AG, Porsche,** Lion Smart, DENSO Europe, **Genesis,** Cascadian Motion, **Alcraft Motor Company,** Iveco spA, **Volta Trucks,** Webasto Group, **EVBox,** Connected Kerb, **Shell, QuantumScape,** American Battery Solutions, **Clarios, Sono Motors, Tesla, NIO, Faraday Future,** Rimac Automobili, **Nikola, Proterra,** Aptera, **Aston Martin Lagonda, Bentley Motors,** Karam Automotive, **KIA, Lamborgini, Lexus, McLaren,** Penso, **Rolls-Royce**, Skoda, Toyota, **Smart, OPEL, Peugeot,** FIAT, Mini, **Nissan, Seat,** DACIA, **Mazda, Northvolt AB,** Lithium Werks B.V., **BMZ Group,** Draxlmaier Group

WHERE CHALLENGES ARE MET WITH | SOLUTIONS

JOB TITLES CROSS SECTION 2024

Industry 4.0 Implementation Manager, Automotive EV/HV Product Development Engineer, **Design Manager,** Industry 4.0 Engineer, **Analyst-Digital Manufacturing** | Project Management, **Lead Cross-Functional Systems Engineering Teams,** Design Analysis Engineer, **CAE and Model Based Systems Engineer,** Business Development/Technology Manager, **Global Head of Cyber Security for Enterprise,** Cloud, **Engineering Manager - edrive Testing And Validation,** Future Mobility Research and Consulting, **Industry 4.0 and Digital Manufacturing Supervisor,** Engineering Specialist - Automation, **Powertrain Simulation Manager,** Ford Advanced EV Development Manager, **Software Engineer Leader,** Director Charging & Energy Services, **Data Tools for Design Innovation Manager,** Vice President Global EV Programs, **Global Technology Strategy,** Research and Advanced Systems Director, **Factory Automation,** Manufacturing Technology Team Leader, **Director Manufacturing Engineering Global Architecture,** Manufacturing Transformation Leader, **Chief Engineer – Manufacturing,** Operations Director, **Manufacturing Engineer Lead,** Director of Manufacturing Strategy, **Director Manufacturing Transformation,** Director - Global Vehicle Manufacturing Engineering, **Industry 4.0 Specialist,** Digital Manufacturing Supervisor, **Technical Leader Additive Manufacturing Research,** Digital Layout & Industry 4.0 Team Leader, **Senior IT Manufacturing Systems Development Supervisor,** Manufacturing Engineer, **Exec. Director Global Manufacturing Engineering,** Manufacturing Programs Chief Engineer, **Manufacturing Transformation Leader,** Director of Manufacturing, **IT Executive | Digital Transformation,** Manufacturing Team Lead, **Battery Assembly Manufacturing Team Leader,** Vice President Global EV Programs, **Lead Digitalization and Industry 4.0,** Global Digital Manufacturing Manager, **Digital Twin Lead,** Senior Innovation Engineer, **Plant Manager,** Assistant Plant Manager, **Operations Manager,** Director Global Manufacturing Quality, **Senior Vice President of Manufacturing,** Director of Manufacturing, **Vehicle Programs,** Director-Global Manufacturing IT, **Manufacturing Engineer,** Digital Manufacturing Engineering, **Industry 4.0**

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BECOME A SPONSOR OR EXHIBITOR

MEET YOUR PROSPECTS

From advanced materials, battery pack monitoring and control innovation, to modular battery cooling systems, pack assembly, BMS' and power electronics innovation - this is where the OEM decision making teams, come together to spend quality time with you at your booth. **70% OEM Attendance**

ENGAGE & PRESENT

Your opportunity to present to a captivated, dedicated audience. This is not a trade show where the agenda is something on the side where you can rest your legs. Our agenda is rigorously put together after months of research directly with OEMs - **and our attendees are here to learn from you!**

| SPONSOR, EXHIBIT OR SUBMIT A PRESENTATION FOR REVIEW - MAKE SURE THAT YOU ARE VISIBLE AND ENGAGING
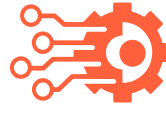
| Exhibitor Categories

PROCESS MONITORING & DIAGNOSTICS

QUALITY MANAGEMENT SYSTEMS & STATISTICAL PROCESS CONTROL

INFORMATION VISUALIZATION

PLANT MODERNIZATION

EMERGING TECHNOLOGIES

SUPPLIER MANAGED INVENTORY

Artificial Intelligence

AR VR and mixed reality

Big Data Analysis cybersecurity

Digitalization ERP Systems

Integration platforms

IoT

Machine Learning

Predictive Maintenance

Robotics

Process Automation

Cameras and Sensors

Business Services

Consulting Services

Engineering Services

System Integration - Automation

System Integration - Robotics

System Integration - Vision

Testing/Inspection/Certification Services

Additive Manufacturing/3D printing

Automated Assembly Machines Systems

Automatic Identification and Data Collection/RFID

Cables, Cable Assemblers

Connectors Management Systems

Cameras

Casters, Drive Wheelers

Computer/Storage/Data Systems

Controls, Drives and Amplifies

End-of-Arm Tooling

Finishing Supplies and Equipment

Frame Grabbers and Processing Boards

Industrial IoT

Laser/Laser Equipment/Laser Systems

Lighting Equipment

Machine Tools/Equipment

Media/Publishing

Metrology Equipment

Mobility Solutions

Motion Control Equipment

Motors

Optics and Lenses

Parts Handling Equipment/Conveyors/ Workholding

Power Transmission, Actuators & Mechanics

Remanufactured/Used Robots

Robotics - Industrial

Robots - Mobile

Robots Service or Education

Safety and Ergonomic Equipment

Sensors/Sensor Integrated Systems

Software

Software - Simulation/Rendering

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Vision Systems

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