

Press release

Automation / Robotics / Industry 4.0

Competitive advantages with manufacturing automation in a global, connected world

For the 16th time, the international “Innovation Forum for Automation” will take place in Dresden. Industry and R&D experts will share their experience in factory automation on their way to the smart factory.

Dresden, January 25, 2019. The possibilities of the fourth industrial revolution and the accompanying digitization in production are clear: these developing technologies will help to standardize, automate, and optimize production processes which support the common goal of maintaining a competitive advantage in the global marketplace. The 16th annual international “Innovation Forum for Automation” will take place from January 24 to 25, 2019 in Dresden, Germany. Automation specialists and international technology companies will be demonstrating successful application examples for Industry 4.0.

The expert forum is aimed at corporate decision-makers and specialists who are looking for technologies, methods, and solutions to gradually optimize their industrial production processes so that they can react quickly, and flexibly, to changing customer requirements in production.

The practical examples that are shared provide insights into the future of factory automation. Experts focus their lectures on the benefits of a networked manufacturing execution system (MES) and real-time responses to everchanging manufacturing needs. Other key topics include the construction of the new Robert Bosch 300 mm wafer factory in Dresden, automation options in R&D fabs, and the use of virtual and augmented reality technologies in complex automation scenarios.

The international “Innovation Forum for Automation” is organized by Automation Network Dresden and includes the four German automation specialists AIS Automation Dresden, Fabmatics, SYSTEMA, and XENON Automatisierungstechnik.

The lectures will focus on industry examples from the semiconductor and electronics industries. Among the thematic highlights are presentations by:

- **Otto Graf (Robert Bosch)** talks about the construction of the new 300mm wafer factory in Dresden
- **Frank Navarrete (Magic Leap)** shares experiences realizing an unconventional solution for a factory automation system, and successful implementation of various mobile and stationary robotic solutions in their production line, for the AR-headset “Magic Leap One”. Magic Leap will be awarded with the “Innovation Award”.
- **Dr. Karlheinz Leonardi (Nexperia)** talks about the introduction of a dispatching solution in a Nexperia front-end Fab.

This year’s main sponsor is Applied Materials, a specialist in material technology solutions that can produce virtually every new chip and modern display in the world.

www.appliedmaterials.com/

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About the companies of the Automation Network Dresden (AND):

With its headquarters in Dresden, **Fabmatics** is an experienced provider of Industry 4.0 solutions, in particular for the automation of material flows and handling processes in high-tech production environments. Fabmatics is the result of the merger of HAP Handhabungs-, Automatisierungs- und Präzisionstechnik GmbH Dresden and Roth & Rau - Ortner GmbH along with its American subsidiary Roth & Rau - Ortner USA, Inc. Both predecessor companies have their origins in the semiconductor industry where they have been implementing automation projects with great success for more than 20 years. This has also created a strong market position for the modernization of 200mm semiconductor factories around the world. Owner-managed Fabmatics, including its subsidiary Fabmatics USA, Inc. located in Sandy, Utah, do business around the world. Fabmatics currently has 180 employees and is a member of global industry association SEMI and the high-tech network, Silicon Saxony e.V.

For additional information: www.fabmatics.com

AIS Automation Dresden is a global software company with its headquarters in Dresden. For more than 25 years, the company has successfully developed IT solutions in the factory and production automation sectors. Other areas of focus include plant integration and controls in a wide variety of industries and technology segments, including the semiconductor, photovoltaic, solar and automotive industries. The company's more than 135 experienced and committed employees create, develop and install high-quality software solutions around the world. AIS supports its customers during the entire production life-cycle, from the specification phase, to implementation and installation on-site, and ongoing comprehensive support. Since 2011, AIS has been part of the Meyer Burger Group providing it access to a comprehensive network for global project work and customer care.

For additional information: www.ais-automation.com

With more than 25 years' experience and 170 employees, **SYSTEMA** is a leading provider of software solutions and IT services for the discrete manufacturing industry. SYSTEMA's portfolio ranges from platform-independent plant integration to automation of production processes, as well as the implementation and enhancement of production management systems and their integration into ERP / supply chain management systems. Software solutions from SYSTEMA are easy to operate and are based on reliable in-house solutions as well as products from well-known partners. In addition to its headquarters in Dresden, the company has operations in Regensburg, Malaysia, Israel, India, and the United States.

For additional information: www.systema.com



XENON Automatisierungstechnik plans, develops, and produces machines and systems for automating production processes. XENON has extensive process and automation related experience from its work as an independent systems integrator for a variety of production technologies. XENON supplies customer-specific systems for assembling and testing mechatronic systems, electronic components, sensors, plug connectors and contact systems, metal/plastic hybrids, solar cells and modules, and medical-technical products. The company supports its customers in choosing the most efficient production technology combined with ideal production costs. The combination of innovative process solutions and extensive experience in plant construction has been the foundation for the company's consistent growth since 1990. XENON currently has 225 employees located in Dresden, Suzhou (China), and Hong Kong.

For additional information: www.xenon-automation.com