



Deutsche Messe

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01. – 05. April 2019, Hannover, Germany

13th German/Japanese Economic Forum – Special Guided Tour

## AI in industrial production – Tour 2 (English)

Wednesday, 3<sup>th</sup> April 2019 / Tour start: Hall 27, Stand B18 (Catering area Business Forum 1)

	10:10-10:30	Hall 3/H32	<b>Registration Tour 2 (English)</b>	
1	10:55-11:05	Hall 7 Stand E16		<b>Fujitsu Technology Solutions</b> Gladbecker Straße 7 40472 Düsseldorf <a href="http://www.fujitsu.com/emeia">www.fujitsu.com/emeia</a>
	<b>Industry 4.0 Show Case with Digital Annealer and DLT based Audit Trail</b>			
	<p>Production and Supply Chain/Logistics processes must be highly automated and able to quickly react to changing circumstances. Optimizing these processes depend on finding quick answers to questions of combinatorial nature in time. The speed at which optimal solutions can be found is, therefore, a crucial success factor. With Digital Annealer Fujitsu provides a quantum inspired computing architecture and service that is available today without the complexities and environmental impact of traditional quantum computers. Fujitsu also demonstrates the usage of a Distributed Ledger Technology as an audit trail. A Production process is documented on the distributed ledger and is publicly available as a "single source of truth".</p>			
2	11:10-11:20	Hall 8 Stand D18		<b>Technologie-Initiative SmartFactory KL e.V.</b> Trippstadter Straße 122 67663 Kaiserslautern <a href="http://www.smartfactory.de">www.smartfactory.de</a>
	<b>Industrie 4.0 goes live at SmartFactory-KL</b>			
	<p>The Technologie Initiative SmartFactory KL is a manufacturer-independent platform for Industrie 4.0. Come and see our world-famous modular production plant! The main topic for 2019: The use of Artificial Intelligence (AI). Further use cases demonstrate the application of AR technologies, our latest smart safety concept and our all-new infrastructure. Discover today the factory of tomorrow!</p>			



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3	11:25-11:35	Hall 17 Stand D26	 <b>MITSUBISHI ELECTRIC</b> <i>Changes for the Better</i>	<b>Mitsubishi Electric Europe</b> Niederlassung Deutschland Mitsubishi-Electric-Platz 1 40882 Ratingen <a href="http://eu3a.mitsubishielectric.com">eu3a.mitsubishielectric.com</a>
<b>Your Solution Partner for smart manufacturing</b>				
<p>Due to our motto "Your Solution Partner for smart manufacturing", we will give you an overview about trend topics digitalisation and edge computing but also predictive maintenance, control and robotics technology, energy management as well as smart safety solutions for robots.</p>				
4	11:40-11:55	Hall 17 Stand A42		<b>FANUC Deutschland GmbH</b> Bernhäuser Str. 36 73765 Neuhausen a. d. F <a href="http://www.fanuc.de">www.fanuc.de</a>
<b>FANUC Germany GmbH</b>				
<p>FANUC Germany GmbH based in Neuhausen auf den Fildern is a subsidiary of the FANUC Corporation, the global market leader in providing integrated robotic process solutions for manufacturing, CNC systems and production machines. With a global network covering every continent and more than 263 local offices, we are always there to meet your needs quickly and effectively.</p> <p>At the Hannover Messe FANUC presents on more than 1,200 square meters the world largest range of robots including our new collaborative robots, CNC Systems and innovative ideas for industry 4.0 and IoT a intelligent automation.</p> <p>We are looking forward to your visit.</p>				
5	12:00-12:10	Hall 17 Stand B50		<b>Yaskawa Europe GmbH</b> Hauptstr. 185 65760 Eschborn <a href="http://www.yaskawa.eu.com">www.yaskawa.eu.com</a>
<b>Industry 4.0 and "EASY" automation</b>				
<p>A multitude of options combined with ever decreasing time and human resources: Yaskawa demonstrates how companies caught up between the poles of Industry 4.0 can benefit from consistently easy-to-use components.</p> <p>Easy programmability, rapid start-up and optimal operability are at the forefront of recent developments in drive technology and robotics.</p> <ul style="list-style-type: none"> <li>- World premiere of GA500 inverter drive</li> <li>- Debut of new software version for the i<sup>3</sup>-Mechatronics solution "YASKAWA Cockpit"</li> <li>- Robot solutions with collaborative robots - some mobile on an automated guided vehicle system</li> <li>- Live school class with the project "hdg robotic 4.0" - Examples of the digital pact</li> <li>- New gearless turbo electric motor 50% more compact</li> <li>- Robot models from 1st European production run</li> </ul>				



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6	12:05-12:15	Hall 11 Stand E55	 <b>Kawasaki Robotics</b>	<b>Kawasaki Robotics GmbH</b> Im Taubental 32 41468 Neus <a href="http://www.robotics.kawasaki.com">www.robotics.kawasaki.com</a>
<b>Kawasaki Robotics BX300L: Maximum Speed and Precision for Car Body Construction and more</b>				
<p>From April 1st to 5th 2019, Kawasaki Robotics Germany will present current trends and products together with the Japanese parent company Kawasaki Heavy Industries and the European divisions Motors, Gas Turbines and Precision Machinery. The Kawasaki BX300L robot, specially developed for car body construction, effortlessly moves a permanently mounted Kawasaki Motors Ninja H2 through the air.</p> <p>Kawasaki Robotics, with its EMEA headquarters in Neuss, Germany, is a leading global supplier of industrial robots and robot-controlled automation systems covering a wide range of applications around the world. With 50 years of robot experience and an extensive portfolio, Kawasaki supplies robots for all industries from Semicon to Automotive.</p>				
7	12:25-12:35	Hall 9 Stand D36	 <b>SIEMENS</b>	<b>Siemens K.K</b> 11-1 Osaki 1-Chome, Shinagawa-ku 141-8644 Tokyo, Japan <a href="http://www.siemens.com">www.siemens.com</a>
<b>Already within reach: The future of industry</b>				
<p>At our booth we'll show how new IT-based technologies like artificial intelligence and edge computing will make even more improvements to data analysis and evaluation in the future, with the resulting opportunities for optimization.</p> <p>Intelligent automation is another major step in the transformation of industrial production, and it will fundamentally re-shape manufacturing as we've known it. In the future manufacturing will include autonomous systems capable of continuously optimizing and orchestrating themselves. Autonomous machines and robots are able to learn, and they understand how to interpret their environment. We'll use a variety of scenarios to show how autonomous machines will make production more flexible, reveal the opportunities that Blockchain offers for industrial manufacturing, and demonstrate how simulation and virtual reality will transform the nature of collaboration in product development.</p>				
8	12:40-12:50	Hall 9 Stand F06	<b>BECKHOFF</b>	<b>Beckhoff Japan K.K.</b> Nisseki Yokohama Building 18F 1-1-8 Sakuragicho, Naka-kui 231-0062 Yokohama-shi, Japan <a href="http://www.beckhoff.co.jp">www.beckhoff.co.jp</a>
<b>The complete range of PC-based automation can be experienced directly in five forums</b>				
<p>At Hannover Messe 2019 Beckhoff will be demonstrating the contribution that PC- and EtherCAT-based control technology is making to the implementation of intelligent automation concepts. Current innovations and revolutions will be presented in five technology forums: from the XPlanar transport system with free-floating movers to EtherCAT G with a transmission rate of 1 Gbit/s and the new CX7000 small controller with optimised price-performance ratio.</p> <p>With the main theme of "Integrated Industry – Industrial Intelligence", the Hannover Messe 2019 will underline the increasing significance of artificial intelligence in production processes.</p> <p>On the basis of exemplary application scenarios, Beckhoff makes it possible to experience the benefits of machine learning.</p>				
	13:00	Hall 3 Stand H32	Return to hall 3	