

International MES Conference 2017

Project reports from the process
industry and discrete manufacturing

27 April 2017
Convention Center (CC)
Hannover • Germany

hannovermesse.de/en/mes

New in 2017:
Simultaneous
English translation
+ guided tours
MES solutions



SMART MEANS
POLAND
PARTNER COUNTRY



Deutsche Messe



HANNOVER
MESSE

Manufacturing IT: MES on the way to Industrie 4.0

Manufacturing execution systems (MES) play a key role in the digital transformation of industry. At the 2017 International MES Conference companies operating in the process industry and discrete manufacturing will provide detailed insights into their production-related solutions. The ninth edition of the event is taking place on 27 April in connection with the trade fairs Digital Factory and Industrial Automation under the umbrella of HANNOVER MESSE. Subtitled “Making processes more efficient – flexible, fast, transparent”, the Conference will focus on practical applications. Representatives of successful industrial enterprises will explain how to achieve seamless traceability using IT systems and demonstrate how MES serves as a “production memory”. For the second time the MES Conference will be accompanied by a panel discussion focusing on the demands which MES must fulfil in relation to Industrie 4.0.

Together with the Association of German Engineers (VDI), the German Engineering Federation (VDMA), the User Association of Automation Technology in Process Industries (NAMUR) and the German Electrical and Electronic Manufacturers’ Association (ZVEI) we invite you to take part in this cross-industry forum devoted to manufacturing execution systems.



Image: Fotolia/Ake1150

Registration and venue

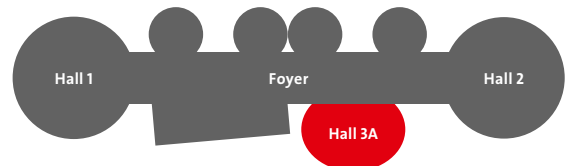
Participation in the international MES Conference is free of charge in combination with a HANNOVER MESSE ticket.

- **Venue:** Convention Center (CC), Hall 3A
- **Participation fee** for Guided Tour “MES Solutions”: €12.60 (plus VAT)

Online registration as from the end of February at:
www.hannovermesse.de/en/mes



Layout of the Convention Center (CC)



9th International MES Conference

Making processes more efficient – flexible, fast, transparent

	Agenda	Speaker
10.30	Welcoming speech	Patrick C. Prather Senior Editor, IT & Production (TeDo Verlag GmbH)
10.40	Keynote: From production control to production optimization <ul style="list-style-type: none"> ■ Multidimensional production dynamization ■ Optimization against variable goals ■ Future demands on MES for Industrie 4.0 	 Dr. Marcus Adams Managing Director, PSI Mines & Roads GmbH; Chairman of ZVEI MES <i>“Industrie 4.0 necessitates the integration of innovative production optimization methods into established manufacturing procedures. The increased demands in terms of cost and resource conservation are leading to more dynamic production procedures. Digitalization in production depends on seamless communication based on structurally and semantically unified data models.”</i>
11.00	Seamless tracking for the coating of steel pipes <ul style="list-style-type: none"> ■ Tracking & tracing ■ Steel industry ■ Industrie 4.0 capability 	 Rainer Grabowski Plant Manager, MÜLHEIM PIPECOATINGS GmbH <i>“MÜLHEIM PIPECOATINGS GmbH has succeeded in implementing a seamless tracking system for the coating of steel pipes. This extends from incoming materials to the coating process and the delivery of the products. For our company this represents a major step on the way to achieving I4.0 capabilities.”</i>
11.30	Plant performance – efficiency gains in operational practice <ul style="list-style-type: none"> ■ Plant performance ■ Real-time resource efficiency indicators ■ Contextual data analysis ■ Plant assistance systems 	 Dr.-Ing. Udo Enste Managing Director of LeiKon GmbH <i>“Plant performance remains an important goal in the process industry. The more mature an economy and a corporate culture become, the more important it is to use existing resources as efficiently as possible. Contextual online-based data analysis will play a major role in improving plant performance.”</i>
12.00	Lunch break, incl. small snack	
12.45	Panel discussion Is Industrie 4.0 (im)possible without MES? <i>“Current ERP systems are placing more and more demands on users. Extensive functionalities reduce flexibility and create new dependencies within companies. The operation of certain solutions can cause problems in connection with Industrie 4.0 projects. Increasingly, users in all sectors are adopting special solutions – for example, MES applications which permit the step-by-step implementation of the Industrie 4.0 concept. Will the next steps be possible without MES? What are the current trends in MES? Will ERP functions be realized increasingly in shop-floor systems?”</i>	Moderation: Dr. Christine Lötters, SC L Strategy Communication Public Relations Participants: <ul style="list-style-type: none"> ■ Dr. Marcus Adams, Managing Director of PSI Mines & Roads GmbH; Chairman of ZVEI MES ■ Dipl.-Ing. Johann Hofmann, Head of ValueFacturing® at Maschinenfabrik Reinhausen GmbH ■ Dr.-Ing. Olaf Sauer, Chairman, VDI-GPP Information Technology Division; Deputy Director, Fraunhofer IOSB ■ Martina Weidner, Senior Solution Advisor Manufacturing at CC IoT bei SAP ■ Ullrich Möllmann, Head of Product Management Software at Dürr Systems AG       <p>Dr. C. Lötters Dr. M. Adams Dipl.-Ing. J. Hofmann Dr.-Ing. O. Sauer M. Weidner U. Möllmann</p>
13.30	Refreshment break	
13.45	MES out of the public cloud <ul style="list-style-type: none"> ■ Shop floor infrastructure ■ Public cloud vs. On-premises ■ IT security ■ Payment models for cloud solutions 	 Dipl.-Ing. Johann Hofmann Head of ValueFacturing® at Maschinenfabrik Reinhausen GmbH <i>“Maschinenfabrik Reinhausen has digitally mapped its production processes in a German public cloud. Prior to this the company carefully weighed up the advantages and disadvantages of cloud services. In the meantime the company’s practical experience has dispelled the original misgivings – for example, with regard to security.”</i>
14.15	Transparent shop floor – keeping track of operational and machine data <ul style="list-style-type: none"> ■ Order progress in an ERP system ■ Operation and machine data acquisition ■ User interfaces for shop floor workers ■ Machine integration 	 Reiner Ungerer Manager IT and General Services at Endress+Hauser Conducta GmbH & Co. KG <i>“At various locations worldwide Endress+Hauser Conducta produces measuring stations and complete systems for analyzing liquids. To gain a better overview of activities on the shop floor the company has implemented a machine/operation data acquisition system on the basis of SAP – a model application.”</i>
14.45	Industrie 4.0 at an aviation supplier – seamless networking and transparency <ul style="list-style-type: none"> ■ Dovetailing of sales and production ■ Creating and implementing transparent structures ■ Enhanced planning reliability 	 Niels Kreuzträger Plant Manager at Heggemann AG <i>“In order to fulfil the complex customer requirements in the aviation sector suppliers must have the right operational basis. As part of our digitalization strategy we have analysed all the processes in our systems environment – from tendering to final delivery. In this context MES serves as a production memory for transparent and sustainable structures and significantly enhances the reliability of our planning.”</i>
15.15	Opportunity for informal discussions	Patrick C. Prather Senior Editor, IT & Production (TeDo Verlag GmbH)
15.30	Guided tour “MES Solutions”	The tour (max. duration: 90 minutes) includes visits to numerous exhibitors such as General Electric (GE), GFOS GmbH, iTAC Software AG.



Deutsche Messe

Deutsche Messe

Messegelände

30521 Hannover

Germany

Tel. +49 511 89-0

Fax +49 511 89-32626

info@messe.de

www.messe.de

Contact

Congress team

Tel. +49 511 89-30997

+49 511 89-30990

congressmanagement@messe.de

Supporting organizations



Media partner



Sponsors

