

# 10th International MES Conference

Project reports from the process  
industry and discrete manufacturing

**26 April 2018**  
**Convention Center (CC)**  
**Hannover • Germany**

[hannovermesse.de/en/mes](http://hannovermesse.de/en/mes)

Simultaneous  
English translation  
+ guided tour  
MES solutions



Together with  
HANNOVER MESSE 2018

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# Connected Manufacturing – Digital Production

In the Industrie 4.0 era, a manufacturing execution system (MES) generally continues to be at the heart of networked production. For the tenth time, the International MES Conference at HANNOVER MESSE 2018 will feature ideas on how software close to the plant can increase production efficiency in discrete manufacturing and the process industry. The conference, which will be simultaneously translated into English, will take place on 26 April as part of the trade fair Digital Factory. In line with its slogan “Connected Manufacturing – Digital Production”, the focus will be on practical experience: representatives of successful companies will reveal how they use online evaluations to improve their system performance, for example, or service aircraft parts with the help of MES. In addition, a panel discussion will be held on the opportunities and risks of using Cloud software to manage production processes.

In cooperation with the Association of German Engineers (VDI), the Association of German Mechanical and Plant Engineering (VDMA), the User Association of Automation Technology in Process Industries (NAMUR) and the German Electrical and Electronic Manufacturers' Association (ZVEI), we cordially invite you to attend this interdisciplinary overview of the use of manufacturing execution systems.



Image: Fotolia/zapp2photo

# Registration and venue

Participation in the International MES Conference is free of charge upon presentation of a trade fair admission ticket.

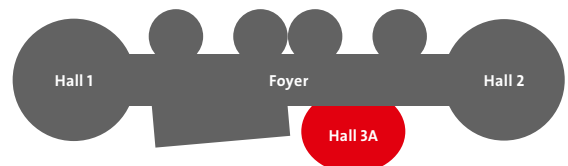
■ **Venue:** Convention Center (CC), Hall 3A

■ **Participation fee** for guided tour “MES Solutions”:  
€ 13 (plus VAT)

Register online from the end of February at:  
[www.hannovermesse.de/en/mes](http://www.hannovermesse.de/en/mes)



## Convention Center (CC) floor plan



# 10th International MES Conference

	Agenda	Speaker
10.30	Welcome and introduction	Patrick C. Prather: Senior Editor, IT & Production, TeDo Verlag GmbH
10.40	<b>Keynote:</b> Interoperability as the basis for changeability in tomorrow’s manufacturing <ul style="list-style-type: none"><li>■ Changeable manufacturing systems</li><li>■ Changeability requires interoperability</li><li>■ Interoperability requires open standards</li></ul>	 <b>Dr.-Ing. Olaf Sauer:</b> VDI Digital Transformation committee, Deputy Head of the Institute, Fraunhofer IOSB <i>“One of the challenges for Industrie 4.0 IT architecture is the ability to adapt to changes – whether new machines or production processes are introduced into the system or existing production systems are changed, e.g. because an additional product variant needs to be manufactured. We call this ability changeable information technology – it relates not just to the physical level, but also and increasingly to software.”</i>
11.00	<b>Platform economy – what are the economies of using MES in the Cloud?</b> <ul style="list-style-type: none"><li>■ Major savings potential in production</li><li>■ Improved time-to-market for new features</li><li>■ Access to technologically advanced services</li></ul>	 <b>Dr. Josef Waltl</b> Global Segment Lead – Industrial Software, Amazon Web Services <b>Volker Burch</b> Vice President Advanced Technology, iTAC Software AG <i>“From the perspective of both the platform operator AWS and a platform user, the MES provider iTAC Software AG, concrete examples are used to illustrate the advantages of using the AWS platform services when creating and operating industrial applications in production. In the process, challenges are addressed that have to be taken into account when moving towards this approach.”</i> 
11.30	<b>Industrie 4.0 using MES – seven steps towards digital transformation</b> <ul style="list-style-type: none"><li>■ Shop floor IT in small and medium-sized companies</li><li>■ Organizational obstacles</li><li>■ Business processes and MES</li></ul>	 <b>Stig Victor Petersen</b> Vice President Operations, Hamlet Protein A/S, Denmark <i>“Hamlet Protein A/S is a Danish manufacturer of proteins for young animal feed. The company’s significant growth in recent years is in part due to the recognition that IT-based intelligence is the key to more efficient business processes. In this context, Hamlet Protein has over the past six years introduced an MES that now provides optimum service every day.”</i>
12.00	Lunch break, including small snack	
12.45	<b>Panel discussion:</b> MES in the platform as a catalyst for implementing Industrie 4.0 <i>“The platform economy is becoming an increasingly important issue in many areas, including MES. Many companies are extremely unsure about how to react, need support and are looking for specific suggestions – these are provided by the panel discussion. “MES in the platform” is an issue that is currently being discussed in a rather vague way and it undoubtedly involves a variety of risks for companies. The question is whether there will be a long-term alternative to the Cloud-based MES solution when implementing Industrie 4.0. This will be the subject of the discussion, alongside the issue of how companies in the MES sector can position themselves for the future.”</i>	<b>Moderation:</b> Dr. Christine Lötters, CEO, SCL Strategy Communication Public Relations <b>Participants:</b> <ul style="list-style-type: none"><li>■ <b>Volkhard Bregulla</b>, Vice President Manufacturing, Automotive and IoT, Global Sales DACH &amp; Russia, Hewlett Packard Enterprise</li><li>■ <b>Wolfgang Dedden</b>, Senior Project Manager, Manufacturing Intelligence &amp; Solution Design, Engineering and Technology, Bayer AG</li><li>■ <b>Dr. Hartwig Düsing</b>, Sales Director, gbo datacomp GmbH</li><li>■ <b>Andreas Kirsch</b>, Management Board, Guardus Solutions AG</li><li>■ <b>Dr.-Ing. Florian von der Hagen</b>, Director Engineering Solutions, Lufthansa Industry Solutions</li></ul> <div></div> <div>Dr. C. LöttersV. BregullaW. DeddenDr. H. DüsingA. KirschDr.-Ing. F. von der Hagen</div>
1.30	Refreshment break	
1.45	<b>Is the automation pyramid still valid?</b> <ul style="list-style-type: none"><li>■ ERP and MES: specialist and technical demarcation</li><li>■ Project challenges: analysing requirements and selecting providers</li><li>■ Minimizing risk: reducing complexity</li></ul>	 <b>Rainer Gehring</b> Director IT & Business Process Management, Schöller Werk GmbH & Co. KG <i>“Headquartered in the Eifel region of Germany, Schoeller Werk is one of the world’s leading manufacturers of longitudinally welded stainless steel tubes. The diverse and complex requirements of our automotive, energy and industry customers necessitate consistent control and transparency of the plant, from customer to production orders. In the system environment that has developed, which includes mobile feedback from the workers, linking and using machine data from the shop floor is the next milestone.”</i>
2.15	<b>Buderus Schleiftechnik:</b> moving towards paperless manufacturing <ul style="list-style-type: none"><li>■ Paperless manufacturing in machine tooling</li><li>■ Employee time tracking</li><li>■ Material flow control</li></ul>	 <b>Andreas Daniel:</b> Controller, Buderus Schleiftechnik GmbH <i>“Buderus Schleiftechnik is rising to the challenge of ‘paperless manufacturing’ with the ERP system Isah and its production-related module Shop Floor Control. Part of the DVS Group, the machine tool company successfully entered digital manufacturing when it started recording working times in real time and digitally displaying and managing the worklist.”</i>
2.45	<b>MES in aircraft component maintenance</b> <ul style="list-style-type: none"><li>■ Restructuring of the wheel and brake workshop</li><li>■ Industrialized aviation maintenance system</li><li>■ Batch size of one</li></ul>	 <b>Peter Jonas:</b> IT & Process Design, Lufthansa Technik AG <i>“Lufthansa Technik’s new aircraft wheel and brake maintenance workshop was built in a hangar in Frankfurt’s Osthafen and has a floor space of approx. 15,000 m². Up to 160 aircraft wheels and 25 aircraft brakes per day can be serviced here. With customized automation technology centrally controlled by an MES, Lufthansa Technik is making significant headway on its path towards digitalization.”</i>
3.15	<b>Closing remarks:</b> followed by opportunity for informal discussions	<b>Patrick C. Prather</b> Senior Editor, IT & Production, TeDo Verlag GmbH
3.30 – 5.15	The <b>MES Solutions guided tour</b> includes visits to the following exhibitors: GEFASOFT GmbH, GFOS GmbH, Hewlett Packard Enterprise, HUAWEI TECHNOLOGIES, N + P Informationssysteme GmbH	
5.15	<b>10th anniversary get-together at the HUAWEI stand:</b> Hall 6, Stand D18	



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