

+++ Model-based Development of a Collaborative Transport Robot Fleet +++ MES in Shanghai +++ Tech Takeover@Automation Alley +++ dSPACE Strategic Partner +++

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MES Newsletter Nr. 03 - 2019

Dear Sir or Madam,

In this newsletter, you will find out more about how we collaborated with InSystems to develop model-based collaborative transport robots, the opening of our regional offices in Shanghai, the strengthening of our partnership with dSPACE and the Tech Takeover event series we hosted in the US. We also have a small foretaste of our tool updates this fall for our tool users, which you can find under "Tool Updates." Speaking of which, you can get to know our tools such as the MES Quality Commander (MQC) in the newest version 4.0, amongst others, live by visiting us at our booth 57 at the ELIV Conference in Bonn today and tomorrow.

Fall has it all!

Enjoy discovering more,

Björn Kunze and Inga Töller of Model Engineering Solutions (MES)

Model-based Development of a Collaborative Transport Robot Fleet

InSystems and MES jointly developed a MATLAB / Simulink model of an adaptive fleet of collaborative transport robots such as the proANT robots developed by InSystems. The semi-formal language Simulink is well suited to describe the behavior of the robot fleet and its members as well as the context including the manufacturing execution system. Simulink models are also able to interface with typical robotic middleware or communication frameworks such as the Robot Operating System (ROS).

► **Discover more**

**Success
Story**

**Riding the Crest of Innovation:
Model-based Development of a
Collaborative Transport Robot Fleet**



MES Opens Regional Offices in Shanghai

The official opening of our regional offices in Shanghai took place just in time for the Chinese Moon Festival. Together with our customers and partners in China, we celebrated the launch of our Shanghai offices by offering a free workshop followed by the official opening reception. Our Sales Director China, Mutian Guo, manages our regional offices in Shanghai. As a result, our Chinese customers have a contact person available on site and our team in China continues to grow.

► [Looking back on the event and photo gallery](#)



Safe Automotive Software Development @TechTakeover

As part of the TechTakeover at Automation Alley in Detroit, USA, on October 2, we held a panel discussion titled "Safe Automotive Software Development: The OEM / Industry Perspective." Automotive industry experts Doug Barnes from kVA, Jace Allen from dSPACE and Dr. Heiko Dörr, CEO of MES, amongst others, were on the panel. There was a lot of knowledge sharing regarding projects, development methods, and best practices of the OEMs. The event has been streamed live worldwide and can still be viewed online.

► [View event recording](#)



MES and dSPACE Strengthen Strategic Partnership

The strategic partnership between MES and dSPACE continues to go from strength to strength. The successful cooperation between MES and dSPACE started more than eight years ago as part of the product development for the MES Model Examiner (MXAM). We are looking forward to being part of the dSPACE World Conference taking place from November 19 - 20 in Munich as dSPACE's Strategic Partner.

- ▶ **dSPACE Strategic Partner Program**
- ▶ **dSPACE World Conference**



Important dates 2019

Webinars

October 29, 2019

[Speeding-up your testing: A new approach to automatic generation of test cases using the MES Test Manager®](#)

November 26, 2019

[MBD: 10 Problems Solved](#)

December 3, 2019

[Online meeting Modeling Guidelines Interest Group \(MGIGroup\)](#)

- ▶ [MES Webinars](#)

Training classes

October 29 – 30, 2019

Model-based Development of Embedded Software in Compliance with ISO 26262 - Challenges and Effective Solutions

November 5 - 6, 2019

Testing Models the Right Way - From Requirements to Model Testing with MTest

November 19 - 20, 2019

MXAM and MXRAY in Action – Best Practices for Guidelines and Complexity

▶ [MES Training Program 2019](#)

Events

October 16 - 17, 2019

ELIV (Elektronik im Fahrzeug) 2019 in Bonn (Germany): Booth No. 57 on the first floor

October 24, 2019

Quality Management for Software in Berlin

November 19, 2019

ASQF Quality Day Berlin 2019 in Berlin

December 5, 2019

Embedded Software Engineering Congress 2019 in Sindelfingen (Germany): Title of Talk: ISO 26262 in 10 Steps

Tool Updates

+++ MES Model Examiner® DRIVE (MXAM) v.6.0: Enhance static model analysis with architectural aspects (BETA) +++ MES Test Manager® (MTest) v.6.4: Automated generation of functional test cases based on MARS requirements (ALPHA) +++ MES Quality Commander® (MQC) v.4.0: Report generation project status +++ MES Model & Refactor (MoRe) v.1.1: Advances in usability and runtime

The most important new features of the tool versions of the MES Toolchain will be available from mid-October in the [MES Support Center on our website](#). In the support section, you can also subscribe to our additional Tool Update Newsletter to ensure that you stay informed immediately after the release of our new versions.



MES Newsletter | Do you have any question?

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