

WEBINAR: INDUSTRY 4.0 AND THE POWER OF THE DIGITAL TWIN FOR A SYSTEMS APPROACH TO MACHINE DESIGN

Institution of
**MECHANICAL
ENGINEERS**

29 March 2017, 3PM GMT
Online Webinar



FREE AND OPEN TO ALL

PRESENTED BY:

Paul Goossens

Vice President of Engineering Solutions, Maplesoft

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Online Webinar

INDUSTRY 4.0 AND THE POWER OF THE DIGITAL TWIN

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THE WORLD OF INDUSTRIAL AUTOMATION IS UNDERGOING A MAJOR TRANSFORMATION OFTEN REFERRED TO AS THE "NEXT INDUSTRIAL REVOLUTION" OR "INDUSTRY 4.0".

To join this revolution, manufacturers are being forced to challenge their own assumptions of traditional design processes and practices. Abandoning the "build it and tweak it" approach, manufacturers must begin to implement rigorous systems-design processes that accommodate the complexities of developing multi-disciplinary systems.

A Digital Twin can have several benefits including the ability to run in-line with the real machine to enable rapid task-planning and early detection of potential problems. By integrating a Digital Twin of the machine design on a real-time platform as a Functional Mockup Unit (FMU), the virtual machine can be configured and tested in parallel with the real machine to accelerate the commissioning process, reduce risks and decrease costs.

Join this webinar to:

- Hear how early adopters are already benefiting from the power of the Digital Twin as part of their Industry 4.0 strategy
- Learn how B&R Automation, a recognized leader in factory and automation software and systems, is using MapleSim on their Automation Studio platform
- Understand how to accelerate the commissioning process, reduce risks and decrease costs.

About Maplesoft

Maplesoft has provided mathematics-based software solutions to educators, engineers, and researchers in science, technology, engineering, and mathematics (STEM) for over 25 years. Maplesoft's flagship product, Maple, combines the world's most powerful mathematics engine with an interface that makes it extremely easy to analyze, explore, visualize, and solve mathematical problems. Building on this technology, the product line includes solutions for online assessment, system-level modelling and simulation, and online STEM courseware. Maplesoft products provide modern, innovative solutions to meet today's challenges, from exploring math concepts on a smartphone to enabling a model-driven innovation approach that helps companies reduce risk and bring high-quality products to market faster. Maplesoft products and services are used by more than 8000 educational institutions, research labs, and companies, in over 90 countries.

Improving the world through engineering



PAUL GOOSSENS
VICE PRESIDENT OF ENGINEERING SOLUTIONS
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Paul Goossens is the Vice President of Engineering Solutions at Maplesoft. A mechanical engineer with over 20 years of experience in both engineering and software business management, his previous positions include senior management positions for companies in engineering modeling solutions and high-performance real-time simulations. Paul has built a strong reputation as an expert in real-time applications, particularly in high-fidelity simulation of mechatronic systems for HIL applications, spending a good part of his career promoting model-based methodologies.

PROGRAMME

- 15:00 GMT** Webinar begins
- 15:50 GMT** Q&A begins
- 16:00 GMT** Webinar ends

FOR MORE INFORMATION:

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