

WARWICK, UK

1. MBSE to Electrical – Presentation

hosted by David COLLISTER and Vincent DELBOUYS

In order to ensure design consistency and reduce time to market, Dassault Systèmes electrical solution is now strongly linked with the system definition. With the introduction of the collaborative architecture mock up, the electrical systems specification is **incorporated at the outset of the design process.**

This user day intends to demonstrate how the **3DEXperience** platform offers a seamless process for electrical harness engineering, design and manufacturing, starting from systems definition data.

Agenda:

- MBSE introduction
 - What data is interesting for the electrical design
 - Introduction EE architectures
 - Traceability
- Link with Electrical design and generative process
 - 3D architectures, topology and space reservation
 - Net diagrams
 - Wiring diagrams
 - Logical to Physical
 - 3D design and manuf
- Conclusion
 - Take away
 - 3DS Strategic solution and plans

REGISTRATION STARTS AT 9:30 AM (GMT+1)

During this exciting day you will be able to participate in **1** of the sessions. Please bare in mind this is a unique free champion event.

April 25th, 2024
Start at 9:30 AM - End at 5:00 PM

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2. Introduction to MagicGrid – Training

hosted by Constantin NEACSU

MagicGrid is a modeling framework for specifying the requirements and logical architecture of a complex system. It empowers SysML and can be a good starting point for the model-based systems engineering (MBSE) adoption in an engineering project. This session introduces MagicGrid cell by cell and demonstrates how to apply it with CATIA Magic Software.

Agenda

- Introduction:
 - MBSE vs Traditional SE
 - Why MBSE method?
 - Why MagicGrid?
 - Basic Information
- Problem Domain Analysis with MagicGrid
 - Black-Box Perspective
 - White-Box Perspective
 - Traceability
- Logical Solution Architecture with MagicGrid
 - System Level
 - Subsystem/Component Level
 - Back to System Level for Configuration
- Takeaways

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