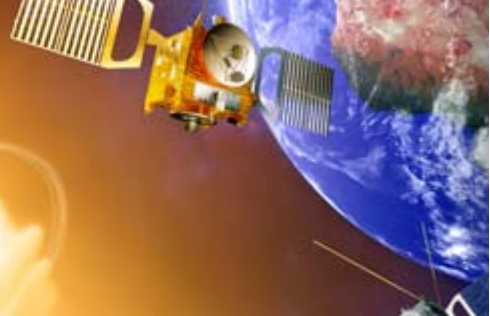


Aero Space Days



OCTOBER 12 & 13, 2011 - PARIS-ORLY AIRPORT, FRANCE

CONFERENCES - www.aerospacedays.com

12 Oct.

10:10-10:50 Model-Based Design Adoption for Certifications Involving ARP-4754, DO-178 and DO-254

MATHWORKS

Companies building complex electronics for the commercial and military aviation market often struggle with achieving multiple certifications: DO-178B/C and DO-254. Achieving multiple certifications can be time consuming and costly because it requires multiple domain experts and because of difficulties in HW/SW partitioning. In this work, we will show how Model-Based Design (MBD) can improve company processes by providing a consistent development and verification path to either SW or HW components. Model-Based Design allows a flexible and traceable solution for SW/HW partitioning and helps establish transparent and repeatable processes. In addition, we will highlight how System Level tests developed with Simulink platform can be re-used at the Low-Level-Requirement stages (for both SW and HW components). This re-use reduces misinterpretation between the teams further improving the design flow.

11:10-11:50 How to collaborate to the "Next Generation Helicopter" Project ?

POLE PEGASE

Presentation of the Next Generation Eurocopter Helicopter, Presentation of the Pôle Pegase Aero Cluster, Presentation of the SME recruitment (opportunities / calendar / collaboration chart / how to work on the project).

14:10-14:50 SonicStar, the next supersonic business jet

HYPERMACH

Presentation of SonicStar, the next supersonic aircraft, planned to fly in 2021, developed by HyperMach.

15:10-15:50 Automotive and aerospace industries – still far away or close together? A look on current and future potentials / synergies of both branches

MBTech

In the past 20 years several investigations of differences and convergences had been carried out either by automotive and aerospace industry to achieve optimizations concerning production processes, product costs, supply strategies, management methods,... Even if several potentials were identified not a very high number were transferred. Which opportunities still exist, why only a few of them were realized by now and what the challenges of tomorrow require will be highlighted in the presentation.

16:10-16:50 Romania – Business and Investments Opportunities

EMBASSY OF ROMANIA

13 Oct.

10:10-10:50 Global Supplier Management

MFG.COM

Based on our 10 years experience with major accounts in the aerospace and defence industry we will show you how you can simplify and optimise your workflow for the consultation process and project management with our brand new web based application. We will also see how you can manage your supplier database and create reports to overview the purchasing and supplier activity. MFG.com also provides an access to a worldwide supplier database to conduct your production parts sourcing.

11:10-11:50 Model-Based Design applied to new HYDRA multiple head star sensor

MATHWORKS

EADS SODERN has long and proven experience in designing and manufacturing reliable and highly accurate optronic sensors for spacecraft attitude control, with star trackers as leading products. Couples of years ago SODERN decided to launch the development of a new generation of star sensor called HYDRA, based on new detector technology and multiple optical heads concept, both leading to new and challenging algorithms. Model-Based Design and automatic code generation with MathWorks products were selected to iteratively derive the best solutions for system performance and robustness while monitoring embeddability on target. HYDRA innovation award-winning star tracker is now qualified for Space and ready for flight with its fully auto-coded application software. The presentation will address Model-Based Design with MathWorks products and will review lessons learnt from HYDRA and benefits of a methodology which is now integrated in SODERN organization.