

2013 LMS European Aerospace Conference

Addressing structural and system engineering challenges enabled by closed-loop system driven product development



DREAM.
DESIGN. DEVELOP.
DELIGHT.™

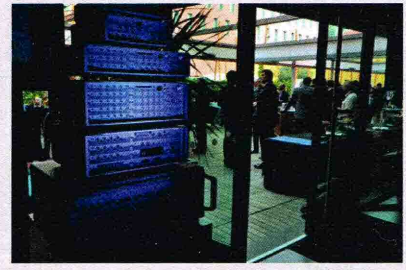
October 3-4, 2013
Radisson Blu Hotel, Toulouse Airport, France

DREAM. DESIGN. DEVELOP. DELIGHT.™

Roger Thijs
Euro-Support, Inc.

ATTENDEE

LMS®
A Siemens Business



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Fact and Figures

- 3 high-level customer Keynote presentations (Airbus, Intespace, Rolls-Royce)
- More than 40 technical presentations
- More than 200 professional attendees expected

Exceptional speaker panel

The LMS Aerospace Conference will host M. Frank Airoldi (Chairman & CEO of INTESPACE) M. Ed Green (Chief of Mechanical Methods at Rolls-Royce) and M. Dominique Barthe (Head of Structure Capabilities ISAMI at Airbus) as Keynote Speakers. World renowned companies such as AIRBUS, AIRCELLE SAFRAN Group, DGA, EADS ASTRIUM, EMBRAER, EUROCOPTER, HISPANO SUIZA (SAFRAN Group), MBDA, MESSIER-BUGATTI-DOWTY, RUAG Space, SNECMA (SAFRAN Group), SONACA, THALES ALENIA SPACE, TURBOMECA (SAFRAN group) etc. already confirmed their participation as speakers and will present on their latest applications in structural and mechatronic system simulation and test-based engineering processes.

Product presentations and demonstrations in the LMS Booth Area

Contact

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Thursday October 3, 2013

12:00	Registration
13:30	Welcome Thierry Olbrechts LMS, A Siemens Business
Keynote speech	
14:00	Rolls-Royce View on Current Applications and Future Trends in Simulation Technology Ed Green, Chief of Mechanical Methods Rolls-Royce
14:35	The trend in the Aerospace testing market: Immediate validation of test results and immediate correlation between simulation/prediction and test Frank Airoldi, Chairman and CEO Intespace
15:10	Structure Analysis Integration in AIRBUS: Next challenge, Requirements & Business Partnership Dominique Barthe, Head of Structure Capabilities ISAMI Airbus
15:45	Booth visit and coffee break
16:15	Dr. Jan Leuridan, Chief Executive Officer & Dirk Van den Berghen, Chief Operation Officer LMS, A Siemens Business
17:00	Round table Dr. Jan Leuridan, Chief Executive Officer & Dirk Van den Berghen, Chief Operation Officer LMS, A Siemens Business Tony Hemmelgarn, Senior Vice President and Managing Director for EMEA Siemens PL
17:30	Transfer to conference dinner
18:00	Cocktail + special events (A380 Flight Simulator, meeting with the first A380 pilot, visit of Concorde)
19:30	Conference dinner
22:30	Back to hotels - Transfer by shuttles

Friday October 4, 2013

Conference rooms	Icare I	Icare II	Echo & Foxtrot	Blériot
	Aircraft Mechanical Simulation I	Aircraft Testing I	Aircraft Acoustic Simulation	Defense
09:00	Aircraft Landing Gear Shimmy Westly Davidson Skynetics	Sensors Technologies for Aerospace Acoustic Tests Carmine Salzano & Bob Metz PCB Piezotronics Inc	Simulating Sound Transmission Through Aircraft Panels Koen Delanghe LMS, A Siemens Business	Using Random Vibration Tests to Replicate Aerodynamic Excitation Philip Daborn AWE
09:25	Modelling of rotor/structural coupling on a rotorcraft François Marchand ENSAM Aix	Implementation of LMS tools for dynamical and acoustical testing on helicopters Yves Estival Eurocopter	Prediction of microgravity vibrational environment using the CAE G�rard Borello InterAC	Vehicle accelerated fatigue tests design on special tracks using a specific application integrated in Test.Lab platform Alice Legrand & Frederic Le Corre MBDA Sophie Legendre & Pascal Lelan DGA
09:50	Simulation of Aircraft Hydromechanical Systems Claudio Lindquist Embraer	Vibration qualification Test of an aircraft piccolo tube using Multiple-Input-Multiple-Output control technology Bruno Bernay Sonaca Rapha�l Van Der Vorst LMS, A Siemens Business	Use of LMS Virtual.Lab analysis tools to optimize vibro-acoustic countermeasures and CFRP structure in a turbopropeller aircraft Pierre Huguenet SENER	Fire protection: thermo-mechanical coupling applied to intumescent paint modelling Marie De Bats MBDA Systems
10:15 Booth visit and coffee break				
	Aircraft Mechanical Simulation II	Aircraft Testing II	Aircraft Acoustic Testing	Space Systems I
11:15	NASA's Mars rover Curiosity Christophe Ricci Siemens Industry Software France	Mesurements and dynamic analyses at TURBOMECA Arnaud Talon Turbomeca (SAFRAN Group)	New Open Rotor Aircraft Configuration: Wind Tunnel Tests for the Evaluation of Engine Installation Effects on Emitted Noise Prof. Leonardo Lecce University di Napoli	LMS CAE expertise dedicated to space Didier Granville LMS, A Siemens Business
11:40	Ram Air Turbine, Embraer KC390: Mechanical simulation of the system for any flight conditions Julien Guiraud Hispano Suiza (SAFRAN Group)	Harmonic and Random Non linear Vibration Test and Simulation of an aircraft piccolo tube Bruno Bernay Sonaca	Developing and using sound source identification methods to improve noise emission interpretation in aeronautics Lucille Lamotte MicrodB	Dynamic correlation of a space telescope (BEPI COLOMBO MISSION - BELA) Cl�ment Chatel RUAG Space
12:05 Booth visit and lunch				
	System Simulation I	Integrated Aircraft I	Aircraft Structural Analysis & Crack Propagation I	Space Systems II
13:30	Aircraft Fuel System Modeling and Simulation Claudio Lindquist Embraer	ISAMI Xpress : A Light version of ISAMI dedicated to Quick Checks & Analytical Standalone Stress Analysis Ren� Plate Airbus	Robust and unified solution to simulate damage and cracks in composite structures with SAMCEF Mecano Caroline Petiot EADS IW	Use of Monte-Carlo methods for the calculation of radiation view factors in the engine architectures Jonathan Tsen Snecma (SAFRAN Group)
13:55	Physical helicopter systems modelization: Eurocopter strategy Thibaut Marger & Nicolas Damiani Eurocopter	Global Virtual Thermal Aircraft Julien Cassou Airbus	Parametrized modelling of composite substrates assemblies thanks to bolted connections Aur�lien Trevert Aircelle (SAFRAN Group)	Space System Thermal Simulation Yann Cervantes Thales Alenia Space
14:20 Booth visit and coffee break				
	System Simulation II	Integrated Aircraft II	Aircraft Structural Analysis & Crack Propagation II	Space Testing
15:00	Real-Time HIL for Aircraft Integrated Vehicle Health Management (IVHM) System Development Thierry Caldaireou OPAL-RT	Airbus A350-XWB-900 GVT outlines Pascal Lubrina ONERA+DLR+Airbus	Evaluation of the 3D XFEM method in the frame of an industrial structure Jonathan Redon EADS Astrium	Pyrotechnics shock simulation Marco Bacaro SERMS
15:25	Modeling of the Aircraft braking system and tuning of the braking control law Pierre Ryckebusch Messier-Bugatti-Dowty Timoth�e Basson Safran Engineering Services	Team Center for Simulation: Enterprise Wide Knowledge Sharing and Simulation Data Management Ludovic Allaire Siemens Industry Software France	Virtual process chain analysis for risk reduction in the development of manufacturing processes of composite structures Christian Brauner Faser Institut	HOMER project - Early tests introduction in the fast development of a flying mock-up of a lander Fr�d�ric Choin EADS ASTRIUM ST
15:50	Design and test of quadcopters with AMESim Guillaume Frichet LMS, A Siemens Business	Booth visit and closing drink	Integration of the Morfeo-SAMCEF plug-in into SNECMA's environment dedicated to life duration calculation Julien LEROUX Snecma (SAFRAN Group)	Marco Bacaro SERMS
16:15 Booth visit and closing drink				
17:00 End of LMS 2013 European Aerospace Conference				