

International modeFRONTIER® Users' Meeting 2010

Preliminary Agenda

Thursday, 27 May 2010



KEYNOTE SESSION

8:30 9:00	Welcome Coffee and Registration		
9:00 9:30	Welcome Address - Optimization: a green technology	Carlo Poloni	ESTECO
9:30 10:00	The MDO Experience at EMBRAER with modeFRONTIER®	Juliano Cavalcanti	Embraer
10:00 10:30	AeroEfficient: Optimized Train Shaping (to be confirmed)	Alexander Orellano	Bombardier
10:30 11:00	Coffee Break		
11:00 11:30	The use of Multi Disciplinary Optimisation in the automotive industry design process: Challenges and Opportunities - The Jaguar Land Rover Experience	Tayeb Zeguer	Jaguar Land Rover
11:30 12:00	Car style optimization by CFD and modeFRONTIER®	Kenichi Ando	HONDA R&D
12:00 12:30	Optimization: a powerful tool for designing energy efficient buildings	Marco Manzan	University of Trieste
12:30 14:00	Lunch Break		

PARALLEL SESSIONS

14:00 14:20	Optimization of 2-stroke SI engine concept with stoichiometric mixture	Oldrich Vitek	Czech Technical University
	From wing sizing to business plans: the tremendous potential of an optimization tool	Gali Lazar	Israel Aerospace Industries (IAI)
	Optimal coverages for genome assembly with combined new generation sequencing data	Alberto Policriti	IGA
14:20 14:40	Multi-Objective optimization with Response Surface Method of rear and frontal crossbeam in low velocity impact tests	Gianluca Puleo	Centro Ricerche FIAT
	Applications of modeFRONTIER® on Aeronautical Problems: an overview of experiences at the German Aerospace Center (DLR).	Joël Brezillon	DLR
	Optimization under uncertainty of tear substitute rheological properties	Christophe Corre	Institute National Polytechnique de Grenoble
14:40 15:00	CFD Analysis and Multi-Objective Optimization of a Diesel Engine for Automotive Applications	Fabio Bozza	University of Naples
	Current state of aerodynamic optimisation at EADS-MAS	Luca Nardin	EADS
	Multiobjective Robust Design Optimization of docked ligand	Danilo Di Stefano	ESTECO
15:00 15:20	"Cost competitiveness & product development". An innovative methodology	Silvio Antonioni	Centro Ricerche FIAT
	3D surface optimization for supercritical flow (to be confirmed)	Koni Schafroth	Smartfish
	Optimization strategies in enzyme engineering	Paolo Braiuca	University of Trieste
15:30 16:00	Coffee Break		



Automotive



Aerospace













Life Science

KEYNOTE SESSION

16:00 16:30	Multidisciplinary optimization of an ethanol SI-engine	Bernardo Reis Dreyer de Souza	Syigma Motors
16:30 17:00	Multi-objective optimization in industrial robot design and robotic cell design	Xiaolong Feng	ABB
17:00 17:30	Application Example of Multi Objective Tolerance Design using R-MORDO of modeFRONTIER®	Asahiko Otani	CDAJ
17:30 18:00	Designing in the Cloud	Paolo Vercesi	ESTECO
20:00	Social Dinner		



PARALLEL SESSIONS

8:40 9:00	 Design space exploration methodology in Multi-Processor System-on-Chip (MPSoC) embedded systems	Prabhat Avasare	IMEC
9:00 9:20	 Advanced Techniques for Sewer Verification Modelling	David Moseley	EnginSoft UK Limited
	 modeFRONTIER®, a Facilitator for MEMS Design Optimisation Integration	Elhadj Benkhelifa	Cranfield University
	 For a Greener Design Process	Alberto Lovison	University of Padova
9:20 9:40	 Multi-Objective Optimization of Sail-Assisted Motor Vessel Route Using an Identified Fuzzy Logic Model	Stéphane Marie	INSA de Rennes
	 FERMI@Elettra RF deflecting cavity optimization	Youssef Kharoubi	Sincrotrone
	 Multi-objective design optimization: application in roll-to-roll systems	Dominique Knittel	University of Strasbourg
9:40 10:00	 Optimization of System-on-Chip Platform using modeFRONTIER®	Sara Bocchio	STMicroelectronics
	 Chained Bezier Parameterization for Shape- and Bubble-Method Topology Optimization	Damir Vucina	University of Split - FESB
10:00 10:30	 Coffee break		



General




Electronics, Electric, MEMS



Methods

KEYNOTE SESSION

10:30 11:00	History and Applications of modeFRONTIER® at Ford Motor Company	Yan Fu	Ford Motor Company
11:00 11:30	Topology Optimization of Energy Harvesting Devices - The Quest for Maximum Power Output	Daniel Hoffmann	HSG-IMIT
11:30 12:00	Use of optimization tool for the design of flow blowing devices in car rear diffusers	Giovanni Lombardi	University of Pisa / Ferrari
12:00 12:30	Optimizing the aerodynamics during the design of passenger cars: coupling CFD with modeFRONTIER®	Enrico Ribaldone	Centro Ricerche FIAT
12:30 14:00	 Lunch Break		
14:00 14:30	The Development and Optimization of a Real-world Control System using NI LabVIEW	Mandip Khorana	National Instruments
14:30 15:00	Optimization of performance of an Antenna using modeFRONTIER® and CST	Yael Kaldor	Rafael Advanced Defense Systems Ltd.
15:00 16:00	modeFRONTIER® Roadmap	Luka Onesti	ESTECO
16:00 16:10	Closing Remarks	Carlo Poloni	ESTECO