Optimus®
2014 World Conference

Join us at the
Optimus 2014
World Conference
October 14 -15, Paris, France

Transforming
Simulation Based Engineering

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Pre-conference Optimus Insight Classes

Implementation & execution of simulation based engineering processes

Adding design space exploitation excellence to simulation based engineering

Time	Implementation & execution of simulation based engineering processes	Adding design space exploitation excellence to simulation based engineering
10:00 AM	**Accelerating design space exploitation: Optimus technology innovation roadmap**	**Accelerating design space exploitation: Optimus technology innovation roadmap**
10:15 AM	**Integrating commercial, legacy and in-house simulation tools and data models based on an open framework infrastructure**	**Adaptive sampling approaches for the identification of feasible design space regions**
10:45 AM	**Implementation of High-Performance Computing strategies using fine-grain parallelization capabilities**	**Increasing accuracy of surrogate models using ensemble modeling techniques**
11:15 AM	Coffee Break	Coffee Break
11:30 AM	**Crafting custom engineering applications by means of the Optimus Python layer**	**Dimension reduction techniques for the identification of design parameter interactions**
12:00 PM	**Condensing physics simulations into surrogate models & exchange with MBSE through the FMI open standard**	**Access to Multiobjective Optimization methods through a robust and consistent user experience**
12:30 PM	Lunch	Lunch

Conference Presentations

Conference take-off

Time		
2:00 PM	**Welcome at the 2014 World Conference** **Mr. Hans Wynendaele,** Chief Executive Officer (Noesis Solutions)
2:10 PM	**Navigating the 2014 World Conference program** **Mr. Luc Meulewaeter,** Marketing Manager (Noesis Solutions)

30,000 feet up in the sky - The vision is clear

Time	
2:30 PM	**Keynote by leading aerospace industry customer** **Title & presenter to be announced**
3:00 PM	**Keynote Presentation** **Mr. Frédéric Feyel,** Head of Modeling & Simulation (Safran Research & Technology Center)
3:30 PM	Coffee Break
4:00 PM	**Noesis Solutions Keynote Optimus Transforming Simulation Based Engineering** **Mr. Naji El Masri,** Chief Technology Officer (Noesis Solutions) **Mr. Bram Van der Heggen,** Product Manager (Noesis Solutions)
5:00 PM	Activity in exhibition area

Touch-down at Le Bourget International Airport

Time	
6:00 PM	**Leaving for the Musée de l'Air et de l'Espace**
6:30 PM	**Guided visit to the Musée de l'Air et de l'Espace**
7:30 PM	**Cocktail & Conference dinner in the unique setting provided by the Musée de l'Air et de l'Espace**
10:30 PM	Coming back to the Conference hotel

Track A

Industry R&D presentations

9:00 AM	**Code integration and optimization for advanced propulsion systems in tilt rotor design** **Mr. Antonio Pagano** (C.I.R.A)
9:30 AM	**Presentation by leading aviation industry customer** **Title & presenter to be announced**
10:00 AM	**Multi-disciplinary optimization of a recuperated rotorcraft cycle on mission level** **Mr. Konstantinos Tzanidakis** (Cranfield University)
10:30 AM	Coffee Break
11:00 AM	**Large scale complex EWIS optimization** **Mr. Franck Albero** (Safran Engineering Services)
11:30 AM	**Presentation by leading aviation industry customer** **Title & presenter to be announced**
12:00 PM	Lunch
1:30 PM	**Presentation by leading aerospace industry customer** **Title & presenter to be announced**
2:00 PM	**Application of Optimus in tokamak design** **Mr. Zhongwei Wang** (Institute of Plasma Physics, Chinese Academy of Sciences)
2:30 PM	Coffee Break
3:00 PM	**Adaptive response modeling of bending simulations for zero defect manufacturing** **Mr. Redmer van Tijum** (Philips Consumer Lifestyle)
3:30 PM	**Role of GPUs as enablers of computationally intensive optimization algorithms** **Mr. Jan Lemeire** (Free University of Brussels)
4:00 PM	Conference closing address by the Noesis Solutions CTO
4:15 PM	End of conference

Track B

Industry R&D presentations

	Modeling and optimization of disk brake heating **Mr. Takashi Doi** (Toyota Motor Corporation)
	Presentation by leading automotive customer **Title & presenter to be announced**
	Optimization of Ride&Handling and NVH vehicle performances using body concept modeling techniques **Mr. Marc Brughmans** (LMS Engineering, Siemens Industry Software)
	Coffee Break
	Presentation by leading automotive industry customer **Title & presenter to be announced**
	Geometric optimization of a common rail injector **Dipl. Ing. Apdullah Sis** (L'Orange)
	Lunch
	Multi-disciplinary design optimization for powertrain of electrical vehicles **Mr. Mian Li** (University of Michigan - Shanghai Jiao Tong University Joint Institute)
	Presentation by leading automotive industry customer **Title & presenter to be announced**
	Coffee Break
	Data management and classification of acoustics performance of glass products **Mr. Gérald Mercier** (Saint-Gobain)
	Automated optimization of a city car external aerodynamics for aero drag reduction **Mrs. Massimiliana Carello** (Politecnico di Torino)
	Conference closing address by the Noesis Solutions CTO
	End of conference

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Meet with experts

The Optimus 2014 World Conference is your chance to learn more about the benefits of process integration and design optimization. The Conference serves as a forum for research, design and engineering professionals from all over the world, where they can exchange Optimus project experiences, learn about the latest trends in simulation and optimization technology, and discuss recent and upcoming Optimus developments.

Stay informed

Keynote sessions, industry R&D presentations and partner displays will allow you to discover a wealth of Optimus related information, applications and services. Optimus customers and prospects will have the opportunity to meet Noesis Solutions delegates and partners, and learn how Optimus improves product performance and process efficiency in countless projects across industry sectors.

Where & when?

The Optimus 2014 World Conference will take place on October 14-15 in Paris, France. The venue for the conference is Paris Charles de Gaulle Airport Marriott Hotel, situated north of the French capital city and easily accessible to all business travelers.

In addition to the technical program, the informal event on Tuesday evening in the Musée de l'Air et de l'Espace offers a great opportunity to talk with presenters, conference participants and Noesis Solutions team members in a relaxed atmosphere.

The Musée de l'Air et de l'Espace is the main French aviation and space museum inside Paris-Le Bourget international airport (which is famous as the landing site for Charles Lindbergh's historic solo transatlantic crossing in 1927). The Musée de l'Air et de l'Espace is one of the oldest aviation museums in the world and provides a unique setting for an informal get-together & dinner. The museum's collection contains more than 19,595 items, including 150 aircraft, and material from as far back as the 16th Century.

Register

Registration only through the Optimus 2014 World Conference website www.Optimus2014.com, or contact us by

Email Optimus2014@noesissolutions.com
Phone +32 (0)16 317 041

Early bird registration fee
* € 200 – when you register before August 15, 2014.
* € 300 – when you register before September 30, 2014.
A fee of € 400 will be charged for registrations received as of October 1, 2014.

The registration fee covers access to our partner exhibition and all presentation sessions (including the pre-conference Optimus Insight Classes) as well as the informal dinner on conference day 1. Free copies of all conference presentations and proceedings will be available to all participants.

Short agenda

09:00 AM	Registration desk opens
10:00 AM	Pre-conference program (Optimus Insight Classes, parallel tracks)

Conference day 1 - October 14, 2014

12:30 AM	Lunch offered by Noesis Solutions
02:00 PM	Keynote presentations
06:00 PM	Informal dinner offered by Noesis Solutions

Conference day 2 - October 15, 2014

09:00 AM	Industry R&D presentations (parallel tracks)
12:00 AM	Lunch offered by Noesis Solutions
01:30 PM	Industry R&D presentations (parallel tracks)
04:45 PM	End of conference

Important dates

August 15, 2014: Deadline for early bird registration as conference participant
September 13, 2014: Deadline for special conference rates when booking accommocation at the conference hotel
September 30, 2014: Deadline for avoiding late registration surcharge as conference participant

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