

AGENDA_
MONDAY 22 - MARCH - 2010
DAY 1

POWER with ease.

STAR European Conference 2010

09:00 Registration

Suite A Introduction & Keynote

- 10:00 **Welcome to the Conference** *Steve MacDonald & Bill Clark, CD-adapco*
 10:05 **POWER with ease.** *David Gosman et al*
 11:05 **Providing the Bridge to an Electrified Future** *Ted J Miller, FORD America*
 11:35 **Modeling of Battery Systems and Installations using STAR-CCM+** *Robert Spornitz, Battery Design LLC and Steve Hartridge, CD-adapco*

12:15 Lunch & Exhibition - Sponsored by DELL



Suite A: Session 1 TRANSPORTATION 1

- 13:45 **Vehicle Thermal Reliability**
Fabiano Bet, InDesA
- 14:10 **Automated Underhood Thermal Simulation**
Eric Aramburu, Applus IDIADA Group
- 14:35 **Increasing Downforce on a LeMans Prototype**
Jean-Philippe Pelaprat, ORECA
- 15:00 **Automated Simulation of Aerodynamics and Vehicle Thermal Management**
Frederick Ross, CD-adapco

Suite B: Session 2 AERO / TURBO

- 13:45 **Aeroacoustic Noise Estimations of Automotive Fans**
Anders Tenstam, Volvo Technology
- 14:10 **Drag and Lift Validation of Wing Profiles**
Martin van Staden, Aerothem
- 14:35 **Turbomachinery Developments**
Fred Mendonca, CD-adapco
- 15:00 **STAR-CCM+ Applied in the Aerospace Industry**
David Vaughn, CD-adapco

Suite C: Session 3 ENERGY

- 13:45 **Simulation for the Oil and Gas Industry**
Ivar Iverson, Prospect Flow Solutions
- 14:10 **OLGA and STAR-CCM+ Coupled Simulation for Oil and Gas**
Dennis Nagy, SPT and CD-adapco
- 14:35 **Advances in Simulation for Marine and Offshore Applications**
Milovan Peric, CD-adapco
- 15:00 **Nuclear Power: Meeting the Challenge**
Emilio Baglietto, CD-adapco

15:25 Coffee Break

Suite A: Session 4 TRANSPORTATION 2

- 16:25 **DEMO1: Parametric Geometry Creation using STAR-CCM+ 3D-CAD**
- 16:50 **DEMO2: What If? Parametric studies in STAR-CCM+**
- 17:15 **Automated Exhaust Line Simulation**
Yohann Perrot, Faurecia
- 17:40 **Automating the CFD Process at Swenox - a Scripted Story**
Marcus Christiansson, Swenox
- 18:05 **Thermal Protection using STAR-CCM+**
Tom Marinaccio, CD-adapco

Suite B: Session 5 BUILDING

- 16:25 **DEMO3: STAR-CCM+ Process Automation using MS-OFFICE**
- 16:50 **DEMO4: Thermal Management**
- 17:15 **The Increasing Demand for Virtual Prototypes in Civil Engineering**
Erwin Schnell, Gruner
- 17:40 **Outdoor Thermal Comfort**
Greg Thomas, Atelier Ten
- 18:05 **Fire and Smoke Modeling in Tunnels and Emergency Stations**
Peter Bailey, Gruner

Suite C: Session 6 GENERAL 1

- 16:25 **Passion for Innovation: Kalmar and Stingray Marine Projects**
Michal Latacz, Delta Prototypes
- 16:50 **Industrial Electroplating Systems**
Tilman Botsch, Ohm University of Applied Sciences
- 17:15 **Racing Bike Aerodynamics**
Matthew Godo, Intelligent Light
- 17:40 **Emulating the Direct Blister Furnace Process with Coal Combustion**
Bennie Henning, Bateman Engineering Projects
- 18:05 **Everybody Drinks Milk (Very Large Model Automation)**
Ulf Engdjar, FS-Dynamics

18:30 Close of Day 1 Evening Entertainment - Sponsored by SIMULIA



AGENDA_
TUESDAY 23 - MARCH - 2010
DAY 2

Suite A: Session 7 MARINE

- 08:30 **Tugboat and Skeg Design**
Claus Daniel Simonsen, FORCE Technology
- 08:55 **Ship Design Optimization**
Maurice F. White, Norwegian University of Science & Technology / DNV / Kyushu University
- 09:20 **Towing Seismic Deflectors**
Vidar Tregde, Kongsberg Devotek
- 09:45 **Upwind Sailing in a Rough Sea**
Giovanni Lombardi, Department of Aerospace Engineering of Pisa
- 10:10 **Water / Breakwater interactions using DFBI**
Jan-Hendrik Grobler, CSIR

Suite B: Session 8 TRANSPORTATION 3

- 08:30 **Urea Injection and Preparation in Diesel Applications**
Simon Fischer, Institute For Powertrains and Automotive Technology
- 08:55 **Diesel Injection and Exhaust Gas Treatment**
Joachim Hanner, Magna Powertrain
- 09:20 **Modeling an Axisymmetric Perforated Brick Catalyst**
Ahmad Mat Yamin, Coventry University
- 09:45 **Advanced Combustion Modeling with DARS**
Fabian Mauss, DigAnaRS LLC
- 10:10 **Industrial Casting Applications**
Jürgen Jakumeit, Access

Suite C: Session 9 CO-SIMULATION/FSI

- 08:30 **The Repair of a Compressor Rotor Blade Airfoil**
Allan Thomson, Wood Group LIT
- 08:55 **Design and Optimization of Plants and Components for the Production of Polyurethane Foams**
Carsten Brodbeck, Fraunhofer-Institut
- 09:20 **Overview of SIMULIA Multiphysics**
Stephen King, SIMULIA
- 09:45 **1-D/3-D Co-Simulation of Environmental Control System for Aircraft**
Klaus Wolf, scapos AG
- 10:10 **Fluid Structure Interaction**
Alan Mueller, CD-adapco

10:35 Coffee Break

Suite A: DEMO 1

- 11:30 **DEMO3: STAR-CCM+ Process Automation using MS-OFFICE**
- 12:00 **DEMO4: Thermal Management**

Suite B: DEMO 2

- 11:30 **DEMO1: Parametric Geometry Creation using STAR-CCM+ 3D-CAD**
- 12:00 **DEMO2: What If? Parametric studies in STAR-CCM+**

12:30 Lunch and Exhibition - Sponsored by PANASAS



Suite A: Closing Session

- 14:00 **Product Roadmap** *Jean-Claude Ercolanelli et al, CD-adapco*
 15:20 **Closing Remarks** *Bill Clark, CD-adapco*

15:40 Close of Meeting and Tea

STAR EUROPEAN CONFERENCE 2010

22-23 March, Novotel London West, London, United Kingdom

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European
Conference
2010



THE NOVOTEL LONDON WEST
LONDON 22-23 MARCH 2010



TRIM

POWER *with ease.*

Showcasing the latest in Engineering Simulation Technology
& celebrating the launch of STAR-CCM+ V5