



11th **FLOW-3D** European Users Conference 2011

May 26 - 27

Monza, Italy

Wednesday, May 25th

18:00 | **Opening Reception, Hotel Royal Falcone**

Thursday, May 26th – Conference Day 1

09:00 | **Check in & Registration**

09:30 | *Tom Jensen, Flow Science* | *Welcome & Introductions*

09:45 | *XC Engineering* | *Introduction to Monza*

10:00	Fabio Dentale, University of Salerno (MEDUS)	Wave Interactions with Virtual Breakwaters and Numerical Armour Stability
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10:30	Dieter Vanneste; Peter Troch, Ghent University	Modelling Coarse Granular Media in <i>FLOW-3D</i>
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11:00 | **Morning Break**

11:20	Federico Monterosso, OMIQ srl	Advanced Post-Processing of <i>FLOW-3D</i> Calculations using Ensignt
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11:50	<i>Michael Barkhudarov; James Brethour, Flow Science</i>	<i>FLOW-3D v10: Fully-Coupled Fluid Structure Interaction</i>
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13:00 | **Lunch**

14:15	Antonio Miglio, Università della Calabria	3D Numerical Simulations of Flow under Vertical Sluice Gate at Abruptly Contracted Channels
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14:45	R. Gorria; F. Lafon; G. Guyot, EDF-CIH	Contraction Effects of Piers in Tainter-Gated Standard-Shaped Spillways on Discharge Capacity, Upper Nappe Profile of Flow and Transition to Controlled Flow
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15:15	Markus Grünzner, Technische Universität München	Large Eddy Simulation – Influence of the Model Adaptions in Version 9.4.5
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15:45 | **Afternoon Break**

16:00	Bernard Twaróg, Institute of Water Engineering and Water Management	Preparing for Flood Events – the Modernization of Nysa Dam
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16:30	Mehmet Ali Kökpinar, State Hydraulic Works	<i>FLOW-3D</i> Simulation and Comparison with Physical Model Results in the Kavsak Dam Spillway Design
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17:00	Torbjørn Alstad; Stein Inge Dale, Ceetron	An Integrated Pre-/Post Environment for <i>FLOW-3D</i>
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19:30 | **Conference Dinner, Osteria del cavolo**



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Friday, May 27 th – Conference Day 2		
09:30	Ivan Klochkov, Sigma Technology; Stefano Mascetti, XC Engineering	IOSO Design Optimization Software, Features, Possibilities, Approach, Real-Life Application Examples
10:00	Jon Spangenberg; Cem Celal Tutum; Jesper Hattel, Technical University of Denmark	Optimizing Casting Process Parameters for Homogeneous Aggregate Distribution in Self-Compacting Concrete using FLOW-3D: A Preliminary Study
10:30	Morning Break	
10:50	Alex Reikher; Hal Gerber, Albany Chicago LLC	Optimization of the Die Cast Die Vacuum System using Numerical Simulation
11:20	Ngadia Taha Niane, PSA Peugeot Citroen	Prediction of Microporosity Apparition during the Solidification of Aluminum Alloy
11:50	Iñigo Loizaga, CIE Automotive	Simulation of Casting in Semi-Solid State, Predicting Oxides in Aluminum Rheocasting Process
12:20	Lunch	
13:45	Imtiaj Hassan; Nahidul Khan; Tariq Iqbal; Michael Hinchey; Vlastimil Masek, Memorial University	Comparison between Conventional and Twisted Savonius Rotor
14:15	Roberto Da Forno; Alberto Bettella; Mattia Biolo, MDA srl	Bladder-Fluid Coupling in Spacecraft Sloshing Tanks for High Accuracy Attitude Control
14:45	Diana Gaulke; Michael E. Dreyer, ZARM Universität Bremen	A Study of the Accommodation Coefficient in FLOW-3D
15:15	Afternoon Break	
15:30	Lothar Lippert, Genias Graphics GmbH & Co. KG/Tecplot Inc.	Unsteady Analysis and the New Requirements for CFD Post-Processing
16:00	Agostino Lauria, Università della Calabria	The Vortical Structures past the Ahmed Car Model
16:30	Open Forum	

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