



International Workshop on  
Coupled Methods in  
Numerical Dynamics  
Program

Wednesday, September 19, 2007

8 <sup>00</sup> - ...	Registration
9 <sup>00</sup> - 9 <sup>30</sup>	Workshop Opening
9 <sup>30</sup> - 10 <sup>15</sup>	<b>New Challenges in Multidisciplinary CFD Simulations</b> Charles Hirsch, Numeca International, Brussel, Belgium
10 <sup>30</sup> - 11 <sup>15</sup>	<b>Optimisation in Aerodynamics - A Critical Review</b> Werner Haase, EADS Military Air Systems, Munich, Germany
11 <sup>30</sup> - 11 <sup>45</sup>	<i>Coffee break</i>
11 <sup>45</sup> - 12 <sup>30</sup>	<b>Simulation of the Airflow in the Upper Airways With Applications to Aerosols</b> Chris Lacor, Vrije Universteit Brussel, Belgium
12 <sup>45</sup> - 14 <sup>15</sup>	<i>Lunch break</i>
14 <sup>15</sup> - 15 <sup>00</sup>	<b>Value of Numerical Simulations in the Product Life Cycles - With Focus on Design</b> Luciano Fornasier, EADS Corporate Technical Office, Munich, Germany
15 <sup>15</sup> - 16 <sup>00</sup>	<b>Industrial Examples of Multi-Physics and MDO Applications in Aerospace</b> Luciano Fornasier, EADS Corporate Technical Office, Munich, Germany
16 <sup>15</sup> - 17 <sup>00</sup>	<b>OpenFOAM: A C++ Library for Complex Physics Simulations</b> Hrvoje Jasak, Wikki Ltd., United Kingdom
17 <sup>15</sup> - ...	<i>Welcome drink</i>

legend:	keynote	invited	open program
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Thursday, September 20, 2007

9 <sup>00</sup> - 9 <sup>45</sup>	<b>Geometric Modeling of Multibody Systems</b> Andreas Müller, Institute of Mechatronics, Chemnitz, Germany
10 <sup>00</sup> - 10 <sup>45</sup>	<b>Numerical Constrained Mechanics of Discrete Systems on Manifolds</b> Zdravko Terze, Faculty of Mechanical Engineering and Naval Architecture, University of Zagreb, Croatia
11 <sup>00</sup> - 11 <sup>15</sup>	<i>Coffee break</i>
11 <sup>15</sup> - 12 <sup>00</sup>	<b>Mechanics of Human Hearing</b> Albrecht Eiber, Institute of Engineering and Computational Mechanics, University of Stuttgart, Germany
12 <sup>15</sup> - 13 <sup>45</sup>	<i>Lunch break</i>
13 <sup>45</sup> - 14 <sup>30</sup>	<b>Simulations of Coupled Aerodynamic-Flightdynamic Models in Aircraft Design, I part</b> Arthur Rizzi, KTH The Royal Institute of Technology, Stockholm, Sweden
14 <sup>45</sup> - 15 <sup>30</sup>	<b>Simulations of Coupled Aerodynamic-Flightdynamic Models in Aircraft Design, II part</b> Arthur Rizzi, KTH The Royal Institute of Technology, Stockholm, Sweden
15 <sup>45</sup> - 16 <sup>00</sup>	<i>Coffee break</i>
16 <sup>00</sup> - 16 <sup>30</sup>	<b>Numerical Simulaton Of Landing Aircraft Dynamics</b> Z. Terze, M. Vrdoljak, H. Wolf, T. Mešinović, University of Zagreb, Croatia
16 <sup>30</sup> - 17 <sup>00</sup>	<b>Cracks in Pressurised Plastic Pipes: Fluid-Solid-Fracture Interaction Problem</b> A. Ivankovic, University of Dublin, Ireland
17 <sup>00</sup> - 17 <sup>30</sup>	<b>Dynamics of a Particle Screening Process</b> C. Ergenzinger and P. Eberhard, Institute of Engineering and Computational Mechanics, University of Stuttgart, Germany
19 <sup>30</sup> - ...	<i>Social program: Workshop dinner</i>

Friday, September 21, 2007

9 <sup>00</sup> - 9 <sup>45</sup>	<b>Numerical Methods for Fluid-Structure Interaction Problems</b> Hester Bijl, Delft University of Technology, Netherlands
10 <sup>00</sup> - 10 <sup>45</sup>	<b>Uncertainty Quantification for Fluid-Structure Interaction Problems</b> Hester Bijl, Delft University of Technology, Netherlands
11 <sup>00</sup> - 11 <sup>15</sup>	<i>Coffee break</i>
11 <sup>15</sup> - 12 <sup>00</sup>	<b>Development of a Scientific Visualization System</b> Dean Vučinić, Vrije Universteit Brussel, Belgium
12 <sup>15</sup> - 13 <sup>45</sup>	<i>Lunch break</i>
13 <sup>45</sup> - 14 <sup>30</sup>	<b>Nonlinear Phenomena in Wave-Body Interaction: Description and Theoretical Modeling</b> Bernard Molin, Ecole Centrale de Marseille, France
14 <sup>45</sup> - 15 <sup>30</sup>	<b>Hydro-Structure Interactions in Seakeeping</b> Šime Malenica, Bureau Veritas, Paris, France
15 <sup>45</sup> - 16 <sup>00</sup>	<i>Coffee break</i>
16 <sup>00</sup> - 16 <sup>30</sup>	<b>The Design Environment for a Structural Concept Design of a Complex Thin-walled Structures</b> V. Žanić, P. Prebeg, S. Kitarović, University of Zagreb, Croatia
16 <sup>30</sup> - 17 <sup>00</sup>	<b>Computer Based Fatigue Analysis of Vehicle Components</b> C. Tobias, A. Bader and P. Eberhard, Institute of Engineering and Computational Mechanics, University of Stuttgart, Germany
17 <sup>00</sup> - 17 <sup>30</sup>	<b>Computational Solution of Geometrically Linear Aeroelastic Problem</b> D. Matijašević, Z. Terze, H. Jasak, University of Zagreb, Croatia
18 <sup>30</sup> - ...	<i>Social program: City walk</i>