

WEDNESDAY 25. JUNE 2003

PROGRAMME

8:15	▶	Refreshment & Registration
9:00	▶	Welcome – Ferit Boysan , President, Fluent Inc.
9:15-10:00	▶	Dipankar Choudhury Fluent Inc., Lebanon NH, USA CFD Technology Trends and Their Impact on the Automotive Industry
10:00	▶	Refreshments
10:15-10:45	▶	L. Mariella, F. Makowski Ferrari S.p.A. Gestione Sportiva, Maranello, Italy Ferrari's Approach to Formula 1 CFD Simulation
10:45-11:15	▶	C. Bienz, T. Larsson, T. Sato, B. Ullbrand Sauber Motorsport AG, Hinwil, Switzerland CFD at Sauber Petronas Leading the Aerodynamic Development
11:15	▶	Pit Stop
11:30-12:00	▶	A. Kleber Adam Opel AG, Rüsselsheim, Germany CFD as an Integrated Part of the Aerodynamic Development of the OPEL ECO-Speedster
12:00-12:00	▶	A. Scotto d'Apollonia, B. Granier, B. Amalric, P. Debaty PSA Peugeot Citroën, La Garenne-Colombes, France Early Design Stage Simulation Process for External Aerodynamics at PSA Peugeot Citroën
12:30-14:00	▶	Lunch
14:00-14:30	▶	U. Renz Wärmeübertragung und Klimatechnik, RWTH Aachen, Germany Measurements and Numerical Simulation of High Pressure Fuel Sprays
14:30-15:00	▶	R. Lewis Advantage CFD, Brackley, UK CFD Validation for External Aerodynamics
15:00	▶	Refreshments
15:15-17:15	▶	CAE-Pavilion – Hardware & Software, Partner Exhibits, Posters
18:30	▶	Rhine River Cruise ...

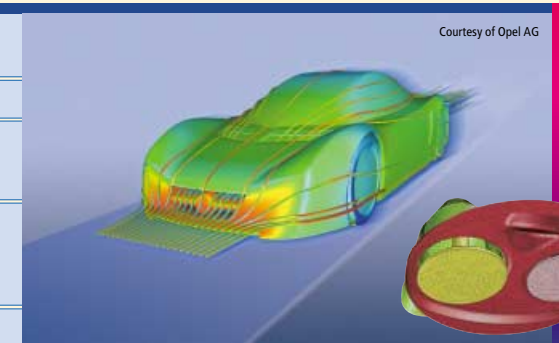
Model created in collaboration with MIRA. Geometry obtained via www.viewpoint.com



THURSDAY 26. JUNE 2003

PROGRAMME

9:00	▶	Lisa Mesaros and Rick Sam , Fluent Inc., USA Recent CFD-Highlights from North America and Asia
9:45	▶	Refreshments
10:00-10:30	▶	A. Skea MIRA Ltd., Nuneaton, UK Using CFD for Underbonnet Thermal Management
10:30-11:00	▶	A. Jönson Volvo Car Corporation, Göteborg, Sweden On the Thermodynamic Development of the New Volvo XC90
11:00	▶	Refreshments



Courtesy of Opel AG

	SESSION A	SESSION B
11:15-11:45	R. Rossi, G. Fabbri University of Bologna, Italy Numerical Multiscale Analysis of the Cooling System of a Ground Vehicle	M. Miana, J. Valdés, T. Pütz ITA, Zaragoza, Spain TRW Automotive, Koblenz, Germany CFD Dynamic Simulation of a Valve Performance using UDFs and the Deforming Mesh Model
11:45-12:15	J. Polansky, P. Kovarik University of West Bohemia/ SKODA Auto, Czech Republic Simulation of the Cooling of a Brake Disk	J. Schwarte Delphi Diesel Systems, London, UK Assessment of Cavitation Damage on Solenoid Driven High-Pressure Valves of EUI Injectors
12:15-12:45	A. Aroussi University of Nottingham, UK Vehicle Side-Window Defrosting and Demisting	B. Martin, R. Andry LIVBAG, Pont de Buis, France Fluid Dynamics Simulations for Airbag Inflator Development
12:45-14:00	Lunch	
14:00-14:30	B. Huurdeman Filterwerk Mann+Hummel, Ludwigsburg, Germany Using the Moving/Deforming Mesh Feature to Optimize the Air Intake System	M. Haigis Arsenal, Vienna, Austria Thermal Management and Condensation in Headlights
14:30-15:00	J. Braun Eberspächer GmbH, Esslingen, Germany Modeling Urea Distributions in SCR-Exhaust After-Treatment Systems	C. Knüsel Dürr Systems, Stuttgart, Germany Examples of CFD in Paintshops
15:00-15:30	R. García de la Fuente, F.C. Ruiz CIDAUT, Spain Development of a CFD Tool Applied to EGR-Coolers	Q. Ye, J. Domnick, A. Scheibe Fraunhofer IPA, Stuttgart, Germany Numerical Simulation of Spray Painting in the Automotive Industry
15:30	Refreshments	
16:00-16:30	CFD Technology Update	
16:30-17:00	Closing Address & Presentation of Prizes, Gérard and Martine De Neuville , Fluent France S.A.	

Courtesy of Siemens Automotive Inc.

