

Monday, June 14th

REGISTRATION

OPENING SESSION (Room A1)

PLENARY LECTURE: Isogeometric and Variational Multiscale Methods in Computational Fluid Dynamics. Thomas J. R. Hughes, University of Texas, USA. Chairman: _____

PLENARY LECTURE: Higher Order Discontinuous Galerkin methods with emphasis on Aeronautical applications. Francesco Bassi, University of Bergamo. Chairman: _____

Coffee Break

Table with 12 columns (Room A1 to Room F11) and multiple rows detailing sessions, topics, authors, and speakers. Includes sessions like '1.1 Numerical Methods for High Speed Flows I', '2.1 Computational Electromagnetics I', etc.

Lunch Break

POSTER SESSION 1

Table with 12 columns (Room A1 to Room F11) and multiple rows detailing poster sessions, topics, authors, and speakers. Includes sessions like '1.2 Numerical Methods for High Speed Flows II', '2.2 Computational Electromagnetics II', etc.

BOARDING THE CONFERENCE BUS
BOAT TRIP IN THE TAGUS RIVER
BUS RETURN TO HOTELS

PLENARY LECTURE: Bioinspired Flow Optimization Petros Koumoutsakos, ETH Zurich. Chairman:												
PLENARY LECTURE: Turbulent combustion modeling: new approaches for highly refined simulations. Luc Vervisch, CORIA-CNRS & INSA Rouen, France. Chairman:												
Coffee Break												
Room	Room A1	Room A2	Room A3	Room A4	Room B5	Room B6	Room A7	Room C8	Room D9	Room E10	Room F11	
8:30 - 9:10												
9:10 - 09:50												
09:50 - 10:10												
10:10 - 10:40	1.3 MS03 Towards Industrial Application of Higher Order Methods: Part I Organizers: K. Hillewaert, J.-F. Remacle, B. Helenbrook	2.3 Shape Optimization	3.3 Flows with Heat Transfer I	4.3 MS22 Regularization Models of Incompressible Flows Organizer: Carlos D. Perez-Segarra	5.3 Multiphase Flows II	6.3 Combustion and Reactive Flows II	7.3 Numerical Methods I	8.3 MS36 Implicit Solution Methods for MHD Systems Organizers: John Shadid, Luis Chacon	9.3 MS09 Current Trends in Modelling and Simulation of Turbulent Flows: Part I Organizers: S. Jakirlic, D. von Terzi (EROFTAC SIG15)	10.3 MS33 Computational Methods Applied to Aneurysms and their Treatment: Part I Organizers: A. Robertson, A. Sequeira	11.3 MS34 Mathematical and Numerical Aspects of the Motion of Viscous Fluids Organizers: T. Bodnar, S. Necasova	
10:20 - 10:40	Achievements of the European Research Project Adigma on Adaptive Higher Order Methods for Aerospace Applications AUTHORS: Norbert Kroll SPEAKER: Norbert Kroll	Active Flow Control Bump Design Using Hybrid Nash-Game Coupled to Evolutionary Algorithms AUTHORS: D. S. Lee; Jacques Periaux; L. F. Gonzalez; K. Srinivas; Eugenio Ofiate SPEAKER: Jacques Periaux	CFD Analysis of a Density-Dependent Valve within a Hot Water System AUTHORS: Sally S. Bell; Helen Smith; David Christie; John N. Macbeth; Neil Finlayson SPEAKER: Neil Finlayson	On the Symmetry-Preserving Regularization Model on Complex Flows using Unstructured Grids AUTHORS: Oriol Lehmkuhl; R. Borrell; Ivette Rodriguez; Carlos D. Pérez-Segarra, Assensi Oliva SPEAKER: Oriol Lehmkuhl	Bubble Model for Cavitating Flow Simulation including High Void Fraction Region AUTHORS: Nobuo Tsumuri; Yoshiaki Tamura; Yoichiro Matsumoto SPEAKER: Nobuo Tsumuri	Large-Eddy Simulation of Forced Ignition in Highly Strained Bluff-Body Burner AUTHORS: Vallinayagam Subramanian; Pascale Domingue; Luc Vervisch SPEAKER: Luc Vervisch	Nonconforming in Time Domain Decomposition Method for Porous Media Applications AUTHORS: Laurence Halpern; Caroline Japhet; Pascal Omnes SPEAKER: Pascal Omnes	Implicit and Semi-Implicit Treatments for MHD Computations AUTHORS: Rony Keppens; Allard-Jan van Marle; Chun Xia SPEAKER: Rony Keppens	The ERCOFTAC Knowledge Base Wiki - an Aid for Establishing Quality and Trust in CFD AUTHORS: Wolfgang Rodi SPEAKER: Wolfgang Rodi	Effects of Aspect Ratio on the Hemodynamics in Elastase Induced Rabbit Aneurysms AUTHORS: Zijing Zeng; Mike Durka; David F. Kallmes; Anne M. Robertson SPEAKER: Anne M. Robertson	Numerical Simulation of Blood Flow using Generalized Oldroyd-B Model AUTHORS: Lubos Pirk; Tomas Bodnar SPEAKER: Lubos Pirk	
10:40 - 11:00	High-Order Accurate P-Multigrad Discontinuous Galerkin Solution of the RANS and k-omega Turbulence Model Equations AUTHORS: F. Bassi; A. Colombo; N. Franchina; Antonio Ghidoni; Stefano Rebay SPEAKER: Stefano Rebay	Global and Multidisciplinary Aerodynamic Optimal Shape's Design, including Deformation AUTHORS: Adriana Nastase SPEAKER: Adriana Nastase	Simulation of the Fouling Layer Evolution in Heat Transfer Surfaces AUTHORS: E. Suárez; Concepción Paz; J. Porteiro; A. Eiris SPEAKER: Concepción Paz	Regularization Modeling of Wall-Bounded Turbulent Flows AUTHORS: F. X. Trias; Andrey V. Gorobets; Roel W. C. P. Verstappen; Assensi Oliva SPEAKER: F. X. Trias	Simulation of Unsteady Cavitation on a 3D Foil AUTHORS: Richard Marcer; C. Audiffren SPEAKER: Richard Marcer	Investigations of Ignition Probability of a Forced Ignited Turbulent Methane Jet using LES AUTHORS: Jeremy Weckering; A. Sadiki; Johannes Janicka; E. Mastorakos SPEAKER: Jeremy Weckering	Variational Multiscale Method for Compressible Flows AUTHORS: Mariano Vázquez; Margarida Moragues Ginard; G. Houzeaux; Romain Aubry; S. Marras SPEAKER: Margarida Moragues Ginard	Scalable, Nonlinear, Implicit Algorithms for Extended Magneto-hydrodynamics AUTHORS: Luis Chacon SPEAKER: Luis Chacon	Lessons Learned from the ERCOFTAC SIG15 Computational Workshops: Flow in a 3D Diffuser as an example AUTHORS: Saad Jakirlic; Dominic von Terzi; Michael Breuer SPEAKER: Saad Jakirlic	Parametric Modeling of Cerebral Aneurysms AUTHORS: Zijing Zeng; Mike Durka; Howard Yonas; Akira Takahashi; Hasballah Zakaria; Anne M. Robertson SPEAKER: Zijing Zeng	Theoretical Aspects of Motion of Fluid around a Rotating Rigid Body AUTHORS: R. Farwig; R. B. Guenther; Sarka Necasova; E. A. Thomann SPEAKER: R. Farwig	
11:00 - 11:20	Memory and CPU Efficient Iterative Schemes for Higher Order Methods AUTHORS: Koen Hillewaert; Jean-François Remacle; Brian T. Helenbrook SPEAKER: Koen Hillewaert	Hadamard Incomplete Sensitivity and Shape Optimization AUTHORS: Bijan Mohammadi; Olivier Pironneau SPEAKER: Bijan Mohammadi	Thermal Comfort Evaluation using a CFD Study and a Transient Thermal Model of the Human Body AUTHORS: Senhorinha Teixeira; Celina Leão; Manuela Neves; Pedro Arezes; Ana Cunha; José Carlos Teixeira SPEAKER: Senhorinha Teixeira	On Restraining Convective Subgrid-Scale Production in Burgers' Equation AUTHORS: Joop Helder; Roel W. C. P. Verstappen SPEAKER: Joop Helder	A Numerical Study for the Effect of Bubble Size Distribution on the Flow Behaviour in Bubble Column Reactors AUTHORS: Evren Bayraktar; Otto Mierka; Stefan Türk; Kjetil Erik Rian SPEAKER: Evren Bayraktar	Subgrid Combustion Modelling for Large Eddy Simulation (LES) of Turbulent Combustion using Eddy Dissipation Concept (EDC) AUTHORS: Balram Panjwani; Ivar S. Ertesvag; Andrea Gruber; Kjetil Erik Rian SPEAKER: Balram Panjwani	High Order Scheme for Compressible Turbulent Flows AUTHORS: Christelle Wervaecke; H. Beaugendre; B. Nkonga SPEAKER: Christelle Wervaecke	HiFi - Implicit Semi-Structured Spectral Element Code for Multi-Fluid Applications AUTHORS: Vyacheslav S. Lukin; Alan H. Glasser SPEAKER: Vyacheslav S. Lukin	Reynolds Stress Modeling for Complex Aerodynamic Flows AUTHORS: Bernhard Eisefeld SPEAKER: Bernhard Eisefeld	Data Assimilation for Incompressible Navier-Stokes: Merging of Images, Measurements and Numerical Results in Blood Flow Simulations AUTHORS: Alessandro Veneziani SPEAKER: Alessandro Veneziani	On Drag Computations of Rough Surfaces: Modeling, Simulations and Model Reduction by Applying Homogenization AUTHORS: Efride Friedmann SPEAKER: Efride Friedmann	
11:20 - 11:40	High-Order Discontinuous Galerkin Methods for Incompressible Flows AUTHORS: Adeline de Montaur; Sonia Fernández-Méndez; Antonio Huerta SPEAKER: Adeline de Montaur	One-Shot Shape Optimization using the Exact Hessian AUTHORS: Dimitrios I. Papadimitriou; Kyriakos C. Giannakoglou SPEAKER: Kyriakos C. Giannakoglou	CFD Parametric Study of Ambient Air Velocity Magnitude Influence in Thermal Behaviour of Open Refrigerated Display Cabinets AUTHORS: Pedro D. Gaspar; L. C. C. Gonçalves; Ge Xiao SPEAKER: Pedro D. Gaspar	Regularization Modeling of Commutator-Errors in Large-Eddy Simulation of Wall-Bounded Turbulence AUTHORS: Bernard J. Geurts SPEAKER: *****	A Coupled Finite Volume Solver for the Simulation of Disperse Multiphase Flows AUTHORS: Marwan Darwish; Amer Abdel Aziz; F. Moukalled SPEAKER: Amer Abdel Aziz	Studying Swirling Flows using Highly Resolved Simulations of an Industrial Premixed Burner AUTHORS: Vincent Moreau; Pascale Domingue; Luc Vervisch SPEAKER: Vincent Moreau	Selective Limiting by a Moving-Least Squares Technique AUTHORS: Xesús Nogueira; Luis Cueto-Felgueroso; Ignasi Colominas; Fermín Navarria; Manuel Castelano SPEAKER: Xesús Nogueira	An Efficient High-Order Implicit Algorithm for 3D Magneto-hydrodynamic Studies of Strongly Magnetized Plasmas using C1 Finite Elements AUTHORS: Stephen C. Jardin; N. M. Ferraro; J. Breslau; J. Chen SPEAKER: Stephen C. Jardin	Zonal Detached Eddy Simulation for Technical Aerodynamic Flows AUTHORS: Sébastien Deck SPEAKER: Sébastien Deck	Coherent Structure and Blood Flow Dynamics in the Normal and Aneurysmatic Aorta AUTHORS: Jacopo Bisetti; F. Hussain; T. C. Gasser SPEAKER: Jacopo Bisetti	A Method of Consistent Averages for the Computational Solution to the Fluid Dynamic Equations AUTHORS: Frederick Ferguson; Gafar Elamin; Mookesh Dhanasar SPEAKER: Frederick Ferguson	
11:40 - 12:00	Anisotropic Adaptation for Viscous Flows AUTHORS: Jerzy Majewski SPEAKER: Jerzy Majewski	CAD-Based Aerodynamic Optimization of Geometrically Complex Turbine Components AUTHORS: Marcus Meyer; M. Herm; Z. Schabowski SPEAKER: Marcus Meyer	Numerical Simulation of Three-Dimensional Convection AUTHORS: Igor Palmyras SPEAKER: *****	Regularizations of Turbulent Flow AUTHORS: Marco Biancari; F. Beux; Maria-Victoria Salveti SPEAKER: Marco Biancari	An Implicit Low-Diffusive HLL Scheme for Cavitating Flow Simulation AUTHORS: Bhuvaneshwar Manickam; Siva P. R. Muppala; J. Franke; F. Dinkelacker SPEAKER: Bhuvaneshwar Manickam	Numerical Simulation of Rod Stabilized Turbulent Premixed Flames AUTHORS: Bhuvaneshwar Manickam; Siva P. R. Muppala; J. Franke; F. Dinkelacker SPEAKER: Bhuvaneshwar Manickam	Implicit Schemes in a Multi-Physics and Multi-Application Code: Balancing Efficiency and Flexibility AUTHORS: Gabor Toth; Bart van der Holst SPEAKER: Gabor Toth	Computational Uncertainty in Turbulent Flow Simulations: Towards a Numerical Error Bar AUTHORS: Dimitris Drikakis; Filip Inok SPEAKER: Dimitris Drikakis	Local Projection Stabilization for the Numerical Simulation of Convection Dominated Flows AUTHORS: Petr Knobloch SPEAKER: Petr Knobloch	Local Projection Stabilization for the Numerical Simulation of Convection Dominated Flows AUTHORS: Petr Knobloch SPEAKER: Petr Knobloch	Local Projection Stabilization for the Numerical Simulation of Convection Dominated Flows AUTHORS: Petr Knobloch SPEAKER: Petr Knobloch	
12:00 - 12:20												
12:20 - 13:30	Lunch Break											
13:30 - 14:00	1.4 MS03 Towards Industrial Application of Higher Order Methods: Part II Organizers: K. Hillewaert, J.-F. Remacle, B. Helenbrook	2.4 Optimization and Control I	3.4 Flows with Heat Transfer II	4.4 MS32 New Trends on Diffusion Phenomena Organizers: J. A. Ferreira, P. Oliveira	5.4 Gas Particle Flows I	6.4 MS13 Non-Deterministic Simulation in CFD: Part I Organizers: C. Lacor, H. Bijl	7.4 Numerical Methods II	8.4 Shallow Water Flows	9.4 MS09 Current Trends in Modelling and Simulation of Turbulent Flows: Part II Organizers: S. Jakirlic, D. von Terzi (EROFTAC SIG15)	10.4 MS33 Computational Methods Applied to Aneurysms and their Treatment: Part II Organizers: A. Robertson, A. Sequeira	11.4 RANS Models for Turbulent Flows I	
13:40 - 14:00	A Reconstructed Discontinuous Galerkin Method for Compressible Flows on Arbitrary Grids AUTHORS: Hong Luo SPEAKER: Hong Luo	Surrogate Models Based on Function and Derivative Values for Aerodynamic Global Optimization AUTHORS: Manuel Bompard; Jacques Peter; Jean-Antoine Desidéri SPEAKER: Manuel Bompard	Numerical Simulation of Turbulent Natural Convection and Gas Radiation in Differentially Heated Cavities using FVM, DOM and LES AUTHORS: Roser Capdevila; Carlos D. Pérez-Segarra; Oriol Lehmkuhl; G. Colomer SPEAKER: Roser Capdevila	Supraconvergent-Superconvergent Methods for Non Fickian Models AUTHORS: Silvia Barbeiro; José A. Ferreira; Luis Pinto SPEAKER: Luis Pinto	DNS of Particulate Flows with Collisions using a Parallel DEM-OLM/MD Method: Peligriff AUTHORS: Guillaume Vinay; A. Wachs; V. Hergault SPEAKER: Guillaume Vinay	Comparison of Intrinsic and Non-Intrinsic Polynomial Chaos Methods for CFD Applications in Aeronautics AUTHORS: Giuseppe Onorato; G. Ghorbanian; J. A. Loeven; H. Bijl; Chris Lacor SPEAKER: Chris Lacor	An Artificial Compressibility Treatment for Unsteady Incompressible Flows using High Order Discontinuous Galerkin Methods AUTHORS: Vinh-Tan Nguyen SPEAKER: Vinh-Tan Nguyen	A Regularization Method for the Numerical Solution of Shallow Water Equations AUTHORS: Tatiana G. Elizarova; Jean-Claude Lengrand SPEAKER: Tatiana G. Elizarova	Aspects of Simulating Synthetic-Jet Injection into Attached and Separated Boundary Layers AUTHORS: Michael A. Leschinger; G. M. Fishpool; S. Lardeau SPEAKER: *****	Computational Hemodynamics of Intracranial Aneurysms: Modelling and Geometrical Sensitivity AUTHORS: A. M. Gambiaro; J. Janela; Alexandra Moura; Adelia Sequeira SPEAKER: Alexandra Moura	An Unstructured Implicit Approach for Numerical Weather Prediction AUTHORS: Romain Aubry; Mariano Vázquez; G. Houzeaux SPEAKER: Romain Aubry	
14:00 - 14:20	Construction of Very High Order Residual Distribution Schemes for Compressible Flow Problems AUTHORS: Rémi Abgrall; Arnaud Krust; Adam Larat; Pascal Jacq; Guillaume Baurin; Mario Ricchiuto SPEAKER: Rémi Abgrall	Geometry Optimization for Quasi-Uniform Flows from Supersonic Nozzles AUTHORS: David Pasquale; J. Harinck; Alberto Guardone; Stefano Rebay SPEAKER: David Pasquale	Non-Oberbeck-Boussinesq Natural Convection in a Tall Differentially Heated Cavity AUTHORS: Denis Kizildag; J. Ventosa; Ivette Rodriguez; Assensi Oliva SPEAKER: Denis Kizildag	On a "Flux Tracking" of Drug Release AUTHORS: José A. Ferreira; P. Oliveira; Pascoal Silva SPEAKER: Pascoal Silva	An Investigation on Powder Stream in Cold Gas Spray (CGS) Nozzles AUTHORS: Rocco Lupoi; W. O'Neill SPEAKER: Rocco Lupoi	Coupling Intrinsic and Non Intrinsic Polynomial Chaos for Solving Stochastic Systems of Conservation Laws AUTHORS: Gaël Poëtte; Didier Lucor; Bruno Després SPEAKER: Didier Lucor	Stabilized Discontinuous Galerkin Approximations for Fourth-Order Stokes-Like Problems AUTHORS: Antonio G. B. da Cruz; E. G. D. do Carmo; F. P. Duda SPEAKER: Antonio G. B. da Cruz	A Finite Difference Technique for Solving the Second Order Constitutive Equation for Three-Dimensional Free Surface Flows AUTHORS: Murilo F. Tomé; Igor Revoredo SPEAKER: Murilo F. Tomé	Analysis of Unsteadiness in Transonic Shock/Boundary Layer Interactions AUTHORS: Matteo Bernardini; Sergio Pirozzoli; Francesco Grasso SPEAKER: Sergio Pirozzoli	The Importance of Computational Methods Applied to Aneurysms and their Treatment AUTHORS: Jorge G. Campos; Adelia Sequeira; David Rodrigues SPEAKER: David Rodrigues	A Hamiltonian Particle Method for Hydrostatic Flow in Inertial Coordinates AUTHORS: Marietta de Luca; Onno Bokhove; J. Frank SPEAKER: Bob Peeters	
14:20 - 14:40	Recent Developments on High-Order Multidimensional Upwind Residual Distribution for Equations with Viscous Terms AUTHORS: Tiago Quintino; N. Villedieu; Herman Deconinck SPEAKER: Tiago Quintino	Model-Reduced Gradient-Based History Matching AUTHORS: Malgorzata P. Kaleta; R. G. Haines; A. W. Heemink; J. D. Jansen SPEAKER: Malgorzata P. Kaleta	Adaptive Two-Step Peer Methods for Thermally Coupled Incompressible Flow AUTHORS: Bettina Gottemeier; Jens Lang SPEAKER: Jens Lang	A Numerical Method for a Non-Fickian Diffusion Problem Based on the Inversion of Laplace Transforms AUTHORS: Adérito Araújo; Cidália Neves; Ercília Sousa SPEAKER: Cidália Neves	Internal Turbulent Two-Phase Flows Formed by Wall Injection of Fluid and Particles AUTHORS: Konstantin N. Volkov SPEAKER: Konstantin N. Volkov	Stochastic Quasi Gas Dynamics Equations as a Base for Particle Methods AUTHORS: Sergey V. Bogomolov SPEAKER: Sergey V. Bogomolov	A Consistent Regularization of the Incompressible Navier-Stokes Equations via Computation of the Vorticity AUTHORS: Mika Malinen SPEAKER: Mika Malinen	A Parallel Domain Decomposition Approach for the Implicit Solution of Shallow Water Equations on the Cubed-Sphere AUTHORS: Xiao-Chuan Cai SPEAKER: Xiao-Chuan Cai	Lagrangian Methods for Determining the Turbulent Prandtl Number in DNS of Wall Turbulence AUTHORS: Dimitrios V. Papavassiliou; Chiranth Srinivasan SPEAKER: Dimitrios V. Papavassiliou	Numerical Modeling of a Multi-Mechanism Damage for Cerebral Arterial Tissue AUTHORS: Mariaria de Luca SPEAKER: Mariaria de Luca	Urban Wind-Concentrator Tower for Energy Conversion AUTHORS: Markus Rütten; Mikhail Konstantinov SPEAKER: Markus Rütten	
14:40 - 15:00	The Discontinuous Galerkin Method with Divergence-Free Elements for Incompressible Flows AUTHORS: Harald van Brummelen; Kris van der Zee SPEAKER: Harald van Brummelen	Model-Reduced Variational Data Assimilation for Shallow Water Flow Modelling AUTHORS: Muhammad U. Altaf; A. W. Heemink; M. Verhaan SPEAKER: Muhammad U. Altaf	The Impact of Cylinder Roughness on the Drag Forces and Heat Transfer AUTHORS: Frank Dierich; P. A. Nikityuk SPEAKER: Frank Dierich	Convergence Analysis of a Decoupled Scheme for Poro-Elasticity AUTHORS: Silvia Barbeiro SPEAKER: Silvia Barbeiro	Fast Multipole Boundary Element Method with Lagrangian Particle Tracking for Viscous Flows AUTHORS: Jure Ravnik; Matjaž Hriberšek; Leopold Skerget SPEAKER: Jure Ravnik	Numerical Methods for Uncertainty Propagation in High Speed Flows AUTHORS: Gianluca Iaccarino; Per Petersson; Jan Nordström; Jeroen A. S. Witteveen SPEAKER: Jeroen A. S. Witteveen	A Stabilized Formulation for the Incompressible Navier-Stokes Equations using Finite Calculus AUTHORS: Prashanth Nadukandi; Eugenio Onorato; Sergio R. Idelsohn SPEAKER: Prashanth Nadukandi	A Shallow Water Model with Viscosity and Dependence on Depth AUTHORS: Sergio Vermeulen; Philip H. Gaskell; Yeaw C. Lee; Harvey M. Thompson SPEAKER: José M. Rodriguez	Implicit Large Eddy Simulation of Complex Flows AUTHORS: Stefan Hickel; Nikolaus A. Adams SPEAKER: Stefan Hickel	Calibrating Reduced Dimension Models for 3D Patient Specific Fluid-Structure Interaction Simulations AUTHORS: Mahmoud M. Ismail; Michael W. Gee; Andrew Comerford; Wolfgang A. Wall SPEAKER: Mahmoud M. Ismail	Time Domain Buffering Analysis of a Large-Span Cable-Stayed Bridge AUTHORS: Shuxian Hong; Álvaro Cunha SPEAKER: Shuxian Hong	
15:00 - 15:20	Towards High-Fidelity Industrial CFD AUTHORS: Frédéric Chalat; Pierre-Elie Normand SPEAKER: Pierre-Elie Normand	Dynamic Characterization of an Actuated Bluff Body Wake AUTHORS: Gregor Gilka; Dirk M. Luchtenburg; Frank Thiele; Marek Morzynski SPEAKER: Gregor Gilka	Buoyancy Effects on Forced Convection from a Horizontal Cylinder in Parallel and Contra Flow Regimes AUTHORS: Armando A. Soares; M. D. Naia; N. J. Gonçalves; A. Rouboua SPEAKER: Armando A. Soares	A Non-Oscillatory Numerical Method for the Advection-Diffusion Equation AUTHORS: Ercília Sousa SPEAKER: Ercília Sousa	The Effect of Vortex Finder Diameter on Cyclone Separator Performance and Flow Field AUTHORS: Khairy Elsayed; Chris Lacor SPEAKER: Khairy Elsayed	Stability and Convergence Analysis of an X-FEM Formulation for Incompressible Flow AUTHORS: Adelia Sequeira; Sonia Fernández-Méndez; Antonio Huerta SPEAKER: Antonio Huerta	Three-Dimensional Inertial Thin Film Flow on Planar Substrates Containing Occlusions AUTHORS: Sergio Vermeulen; Philip H. Gaskell; Yeaw C. Lee; Harvey M. Thompson SPEAKER: Sergio Vermeulen	Reliability of Large-Eddy Simulation of Buoyancy-Driven Turbulent Mixing AUTHORS: Bernard J. Geurts SPEAKER: Bernard J. Geurts	Effects of Geometry Modification on the Aerodynamics of a Generic Bridge Deck Section AUTHORS: Eric Didier; Daniel C. Vaz; António R. J. Borges SPEAKER: Daniel C. Vaz	Unsteady Viscous Analysis of Low-Re Gust-Airfoil Interaction AUTHORS: Vladimir Golubev; Miguel Visbal SPEAKER: Vladimir Golubev	Unsteady Viscous Analysis of Low-Re Gust-Airfoil Interaction AUTHORS: Vladimir Golubev; Miguel Visbal SPEAKER: Vladimir Golubev	
15:20 - 15:40	Adjoint-Based Error Estimation and Goal-Oriented Mesh Refinement for Aerodynamic Flow AUTHORS: Ralf Hartmann SPEAKER: Ralf Hartmann	A Direct Numerical Simulation Study on the Mean Velocity and Temperature in Mixed Convection from an Open Cavity AUTHORS: Gorg Abdelmassih; Youssef Striba; A. Vernet; J. A. Ferré; F. X. Grau SPEAKER: Gorg Abdelmassih	Numerical Simulation of the Flow Field and the Separation Behavior of Hydrocylones AUTHORS: Steffen Schütz; Kathrin Kissling; Manfred Plesche SPEAKER: Steffen Schütz	Effects of Geometric Tolerance in Fluid Dynamics AUTHORS: Lucia Parussini; Valentino Pedròla; Carlo Poloni SPEAKER: Lucia Parussini	Modeling Wetting and Drying of Shallow Water in Estuaries with Tidal Flats AUTHORS: Maria de L. C. Barros; P. C. C. Rosman; J. C. F. Telles; J. P. S. Azevedo SPEAKER: *****	Modeling Wetting and Drying of Shallow Water in Estuaries with Tidal Flats AUTHORS: Maria de L. C. Barros; P. C. C. Rosman; J. C. F. Telles; J. P. S. Azevedo SPEAKER: *****	Modeling Wetting and Drying of Shallow Water in Estuaries with Tidal Flats AUTHORS: Maria de L. C. Barros; P. C. C. Rosman; J. C. F. Telles; J. P. S. Azevedo SPEAKER: *****	Modeling Wetting and Drying of Shallow Water in Estuaries with Tidal Flats AUTHORS: Maria de L. C. Barros; P. C. C. Rosman; J. C. F. Telles; J. P. S. Azevedo SPEAKER: *****	Modeling Wetting and Drying of Shallow Water in Estuaries with Tidal Flats AUTHORS: Maria de L. C. Barros; P. C. C. Rosman; J. C. F. Telles; J. P. S. Azevedo SPEAKER: *****	Modeling Wetting and Drying of Shallow Water in Estuaries with Tidal Flats AUTHORS: Maria de L. C. Barros; P. C. C. Rosman; J. C. F. Telles; J. P. S. Azevedo SPEAKER: *****	Modeling Wetting and Drying of Shallow Water in Estuaries with Tidal Flats AUTHORS: Maria de L. C. Barros; P. C. C. Rosman; J. C. F. Telles; J. P. S. Azevedo SPEAKER: *****	Modeling Wetting and Drying of Shallow Water in Estuaries with Tidal Flats AUTHORS: Maria de L. C. Barros; P. C. C. Rosman; J. C. F. Telles; J. P. S. Azevedo SPEAKER: *****
15:40 - 16:00	Coffee Break											
16:00 - 16:30	1.5 MS03 Towards Industrial Application of Higher Order Methods: Part III Organizers: K. Hillewaert, J.-F. Remacle, B. Helenbrook	2.5 Optimization and Control II	3.5 Flows with Heat Transfer III	4.5 Computational Problems in Microfluidics	5.5 Gas Particles Flows II	6.5 MS13 Non-Deterministic Simulation in CFD: Part II Organizers: C. Lacor, H. Bijl	7.5 Numerical Methods III	8.5 Free Surface Flows	9.5 MS09 Current Trends in Modelling and Simulation of Turbulent Flows: Part III Organizers: S. Jakirlic, D. von Terzi (EROFTAC SIG15)	10.5 MS31 Numerical Methods for Viscoclastic Fluids Organizers: R. Becker, D. Capatina	11.5 RANS Models for Turbulent Flows II	
16:10 - 16:30	From h to p Efficiency: Implementation of Low- and High-Order Spectral/hp Element Discretizations in Two and Three Dimensions. AUTHORS: Chris D. Cantwell; Peter E. J. Vos; Spencer J. Sherwin; Robert M. Kirby SPEAKER: Chris D. Cantwell	Efficiency of Geometric Multigrid Methods for Solving the Sensitivity Equations within Gradient Based Flow Optimization Problems AUTHORS: Julian Michaelis; J. Stiegmann; G. Becker; Michael Schäfer SPEAKER: Julian Michaelis	Numerical Simulation of Cooling Gas Injection using Adaptive Multiscale Techniques AUTHORS: W. Dahmen; Thomas Gotzen; S. Müller SPEAKER: Thomas Gotzen	CFD-Based Shape Optimization of Microchannels using Adjoint Variable Method AUTHORS: Osamu Tonomura; M. Kano; S. Hasebe SPEAKER: Osamu Tonomura	Simulation of Turbulent Collision of Cloud Droplets using Optimized Lagrangian Integration Algorithm AUTHORS: Bogdan Rosa; Hossein Parshani; Orlando Ayala; Lian-Ping Wang; Wojciech W. Grabow SPEAKER: Bogdan Rosa	Robust Optimization of Dense Gas Flows under Uncertain Operating Conditions AUTHORS: Paola Cinnella; Samuel Hercus SPEAKER: Samuel Hercus	A Mimetic Spectral Element Method for Equations of Fluid Dynamics AUTHORS: Jasper J. Kreeft; Artur Palha; M. I. Gerritsma SPEAKER: Jasper J. Kreeft	Stabilised Finite Element for High Reynolds Number, LES and Free Surface Flow Problems AUTHORS: Guillaume François; Elie Hachem; Thierry Coupez SPEAKER: Guillaume François	Turbulent Transport Modelling for PANS and other Bridging Closure Approaches AUTHORS: Sharath S. Girmaji; Branislav Basara; Aditya Murthi; Dasia Reyes SPEAKER: Sharath S. Girmaji	Adaptive Finite Elements for Viscoclastic Flows AUTHORS: Roland Becker; Daniela Capatina SPEAKER: Daniela Capatina	Robust Multigrid Solution of RANS Equations with Two-Equation Turbulence Models AUTHORS: Mark Wasserman; Yair Mor-Yossef; Itay Yavneh; J. B. Greenberg SPEAKER: Mark Wasserman	
16:30 - 16:50	An Implicit High-Order Spectral Difference Method for LES AUTHORS: Matteo Parsani; G. Ghorbanian; Chris Lacor SPEAKER: Matteo Parsani	Multi-Stage Design Approach for High Fidelity Aerodynamic Optimization of Multi-Body Geometries by Kriging Based Models and Adjoint Variable Method AUTHORS: JinWoo Yim; ByungJoon Lee; Chongam Kim SPEAKER: JinWoo Yim	Heat Transfer on a Hot Surface Impinged by a Cold Circular Liquid Jet AUTHORS: Jian-Jun Shu SPEAKER: Jian-Jun Shu	Parametric Study of a Multiscale Fluidic System using a Hybrid CFD/MD Approach AUTHORS: Soon-Heum Ko; Nayong Kim; Dimitris E. Nikitopoulos; Dorel Moldovan; Shantenu Jha SPEAKER: Soon-Heum Ko	Numerical Simulation of a Two-Phase Flow in an Oil Filter by Coupling a LES Approach with a Lagrangian Particle Tracking AUTHORS: João P. Pinto; Yann Fraigneau; Luis A. Oliveira; Christian Tenaud SPEAKER: João P. Pinto	Effects of Modeling Uncertainties in Condensing Wet-Steam Flows through Supersonic Nozzles AUTHORS: Michele Giordano; Samuel Hercus; Paola Cinnella SPEAKER: Samuel Hercus	NURS-Enhanced Finite Element Method AUTHORS: Ruben Sevilla; Sonia Fernández-Méndez; Antonio Huerta SPEAKER: Sonia Fernández-Méndez	Absorbing Boundary Conditions for Wave Simulations around Offshore Structures AUTHORS: Roel Luppés; Arthur E. P. Veldman; Peter R. Welens SPEAKER: Roel Luppés	Recent Progress in Hybrid Temporal-LES/RANS Modelling AUTHORS: Rémi Manceau; Thomas B. Gatski; Atabak Fadai-Ghotbi; Christophe Friess; Jacques Boré SPEAKER: Rémi Manceau	Nonconforming Finite Element Approximation of Polymers Flow for Large Weissenberg Numbers AUTHORS: Roland Becker; Daniela Capatina; Julie Joie SPEAKER: Julie Joie	3D Numerical Simulations of the Impingement of a Turbulent Swirling Jet against a Solid Wall AUTHORS: Joaquim Ortega-Casanova; P. Castillo; R. Fernández-Feria SPEAKER: Joaquim Ortega-Casanova	
16:50 - 17:10	Iterative Solution of Discontinuous Galerkin Formulations of the Euler Equations AUTHORS: Brian T. Helenbrook; Brendan S. Mascarenhas; Koen Hillewaert; Jean-François Remacle SPEAKER: Brian T. Helenbrook	Optimal Control for Incompressible Steady MHD Flows via Constrained Gradient Descent Boundary Approach AUTHORS: Giorgio Borgia; Antonio Cervone; Remacle SPEAKER: Giorgio Borgia	First Industrial Application of the 3D Silicone Molding Simulation Tool AUTHORS: Lukasz T. Matsysak; Piotr Saj; Robert M. Sekula SPEAKER: Lukasz T. Matsysak	Gas-Plasma Coupling in Miniaturized Spaces AUTHORS: Ashraf Farahat; Manish Jurogot SPEAKER: Ashraf Farahat	A Diffusion-Inertia Model (DIM) for Predicting Aerosol Transportation and Deposition in Turbulent Flows AUTHORS: Roman V. Mukin; N. I. Drobyshevsky; A. S. Filippov; V. F. Strizhov; L. I. Zaichik; L. S. Mukina SPEAKER: Roman V. Mukin	Non-Intrusive Stochastic Studies for External and Internal Flows using the efa Software AUTHORS: Marc Lazareff; Jacques Peter; Antoine Fourmaux SPEAKER: Marc Lazareff	A C/DG-FEM Solution of an Improved Boussinesq System for Surface Water Waves AUTHORS: Nuno D. Lopes; P. J. S. Pereira; L. Trabuco SPEAKER: Nuno D. Lopes	Simulation of Two-Phase Flows with Free Surface in a Tank using Arbitrary Lagrangian-Eulerian and Level Set Coupled Method AUTHORS: Tadashi Watanabe SPEAKER: Tadashi Watanabe	Reconstruction of Turbulence Properties for Stochastic Turbulence Modelling AUTHORS: Bernhard Stoevesandt; Robert Stresing; Andrei Shishkin; Claus Wagner; Joachim Peinke SPEAKER: Bernhard Stoevesandt	FEM Multigrid Techniques for Viscoclastic Flow AUTHORS: Stefan Turek SPEAKER: Stefan Turek	RANS Modeling of Flow in Rotating Cavity System AUTHORS: Sébastien Poncet; R. Da Soghe; B. Facchini SPEAKER: Sébastien Poncet	
17:10 - 17:30	An Explicit Space-Time Adaptive Discontinuous Galerkin Scheme AUTHORS: Christoph Altmann; G. Gassner; Claus-Dieter Munz SPEAKER: Christoph Altmann	Assimilation of Meteorological Observations using Large-Scale Optimization AUTHORS: Yasuyoshi Horibata SPEAKER: Yasuyoshi Horibata	Simulation of the Thermal Heat Exchange Near the Phoenix Mars Lander AUTHORS: J. A. Davis; Carlos F. Lange SPEAKER: Carlos F. Lange	Numerical Investigation on the Efficiency of a Passive Micromixer with the Lattice Boltzmann Method AUTHORS: Ernesto Monaco; Kai H. Luo; Gunther Brenner SPEAKER: Ernesto Monaco	Finite Element Simulations of Colloidal Aggregates under Shear Flow Conditions AUTHORS: Eva C. Schlauch; Volker Becker; Marek Behr; Heiko Briesen SPEAKER: Eva C. Schlauch	Parametric Uncertainty Quantification in Modeling Methane Thermal Partial Oxidation within Inert Porous Media AUTHORS: Miguel A. A. Mendes; José M. C. Pereira; José C. F. Pereira SPEAKER: Miguel A. A. Mendes	Solution of the 2D Navier-Stokes Equations with the LBIE Method and RBF Cells AUTHORS: Jevgenija Pavlova; Sellountos J. Eusebio; Jevgenija Pavlova SPEAKER: Jevgenija Pavlova	A Parallel Free-Surface-Modelling Technology for Application to Aircraft Fuel-Sloshing AUTHORS: Arnaud Malab; Oliver Oxtoby SPEAKER: Oliver Oxtoby	Symmetry-Preserving Regularization Models of the Navier-Stokes Equations AUTHORS: Roel W. C. P. Verstappen SPEAKER: Roel W. C. P. Verstappen	Realistic Constitutive Laws for Polymer Flows AUTHORS: Didier Graebling SPEAKER: Didier Graebling	Robust Implementation of the Spalart-Allmaras Turbulence Model for Unstructured Grid AUTHORS: Nikhil Vijay Shende; Yair Mor-Yossef SPEAKER: Yair Mor-Yossef	
17:30 - 17:50	Curvilinear Mesh Generation for CFD AUTHORS: Jean-François Remacle; Christophe Geuzaine; Bastien Gorissen; Koen Hillewaert SPEAKER: Jean-François Remacle	Application of Response Surface Methodology for Modeling and Optimization of the Cyclone Separator for Minimum Pressure Drop AUTHORS: Khairy Elsayed; Chris Lacor SPEAKER: Khairy Elsayed	Conjugate Problem of Forest Fire Initiation and Spread in Three Dimensional Setting AUTHORS: A. Perminov SPEAKER: *****	A New Approach to Solve Microfluidic Systems AUTHORS: Bijan Mohammadi; Jukka Tuomela SPEAKER: Jukka Tuomela	Enhanced Divergence-Free Elements for Efficient Incompressible Flow Simulations in the PDE Framework Peano AUTHORS: Tobias Neckel; Miriam Mehl; Christoph Zenger SPEAKER: Tobias Neckel	Numerical Solution of Convection Diffusion Equations with the Discretization of the Lie Derivative AUTHORS: Artur Palha; Jasper J. Kreeft; M. I. Gerritsma SPEAKER: Artur Palha	Numerical Simulation of Wave Overtopping in Externally Excited Tanks AUTHORS: Ender Demirel; I. Aydm SPEAKER: Ender Demirel	On the Stability of Numerical Schemes Modeling Non-Newtonian Fluids AUTHORS: J. W. Barrett; Sébastien Boyaval; C. Le Bris; T. Lelièvre; C. Mangoubi SPEAKER: Natalya N. Fedorova	Monolithic FEM Techniques for Nonlinear Flow with Temperature-Concentration, Pressure and Shear-Dependent Viscosity AUTHORS: Jaroslav Hron; Stefan Turek; H. Damanik; A. Ouazzi; P. Pustejovská SPEAKER: Jaroslav Hron	Monolithic FEM Techniques for Nonlinear Flow with Temperature-Concentration, Pressure and Shear-Dependent Viscosity AUTHORS: Jaroslav Hron; Stefan Turek; H. Damanik; A. Ouazzi; P. Pustejovská SPEAKER: Jaroslav Hron	Monolithic FEM Techniques for Nonlinear Flow with Temperature-Concentration, Pressure and Shear-Dependent Viscosity AUTHORS: Jaroslav Hron; Stefan Turek; H. Damanik; A. Ouazzi; P. Pustejovská SPEAKER: Jaroslav Hron	
17:50 - 18:10	Unstructured High Order Grids and their Application in Discontinuous Galerkin Methods AUTHORS: Florian Hinderling; G. Gassner; Claus-Dieter Munz SPEAKER: Florian Hinderling			CFD Analysis of Creeping Flow around a Spherical Particle in Rectangular Microchannels AUTHORS: José L. C. Santos; Vitor Geraldes SPEAKER: Vitor Geraldes								

Tuesday, June 15th

Wednesday, June 16th

PLENARY LECTURE: Global dynamics of transitional and turbulent separation bubbles. Neil D. Sandham, University of Southampton, UK. Chairman: _____
PLENARY LECTURE: Industrial constraints and requirements for aeronautical flow control applications. Jean-Claude Courty, Dassault-Aviation, France. Chairman: _____

Coffee Break

Table with 12 columns (Room A1 to Room F11) and 12 rows of session details. Each cell contains a time slot, room number, title, authors, and speaker. Includes topics like 'Optimization and Control Technologies for Greener Multi-physics Aeronautics' and 'Computational Atmosphere and Ocean Dynamics'.

Lunch Break

POSTER SESSION 2

PLENARY LECTURE: Code and Solution Verification in CFD: Examples for RANS solvers. Luís Eça, Technical University of Lisbon, Portugal. Chairman: _____
SEMI - PLENARY LECTURE: Stabilized Finite Element Solution to Handle Complex Heat and Turbulent Flows in Industrial Furnaces. Elie Hachem.

Coffee Break

Table with 12 columns (Room A1 to Room F11) and 12 rows of session details. Each cell contains a time slot, room number, title, authors, and speaker. Includes topics like 'Multicomponents Simulations and Optimization Techniques for Propulsion Applications' and 'Computational Wind-Farm-Wake Aerodynamics'.

BOARDING TO THE CONFERENCE BANQUET FROM HOTELS
BANQUET

8:30 – 9:10	PLENARY LECTURE: A fast immersed boundary method with application to low Reynolds number aerodynamics. Tim Colonius, California Institute of Technology, USA. Chairman:											
9:10 – 9:50	PLENARY LECTURE: Coupling fields and scales in computational (bio) fluid dynamics – Advanced methods and applications. Wolfgang A. Wall, Technische Universität München, Germany. Chairman:											
9:50 – 10:10	Coffee Break											
Room	Room A1	Room A2	Room A3	Room A4	Room B5	Room B6	Room A7	Room C8	Room D9	Room E10	Room F11	
	1.8 MS02 Algorithms for Multi-Scale Low Mach Number Flows Organizers: P. K. Smolarkiewicz, J. Szmelter	2.8 Numerical Methods IV The German National Joint Project Muna: Management and Minimization of Uncertainties and Errors in Numerical Aerodynamics AUTHORS: Bernhard Eistfeld SPEAKER: Bernhard Eistfeld	3.8 MS20 Stratified Flows Modelling for Environmental Problems Organizer: Philippe Fraunié	4.8 MS25 Recent Development in Turbomachinery CFD for Industrial Applications: TRACE Organizer: Edmund Kuegeler	5.8 Adaptive Grids II	6.8 Flow in Porous Media	7.8 Immersed Boundary Methods	8.8 Parallel Computing	9.8 DNS/LES III	10.8 MS16 Lattice Boltzmann, Particle Methods and Experiments of Complex Physiological Flows: Part I Organizers: A. Gambaruto, G. Pontrelli, S. Succi	11.8 MS08 CFD in Fire and Fire Safety Research Organizer: B. Merci	
10:10 – 10:40												
10:20 – 10:40	Modeling Atmospheric Circulations with High-Resolution Methods AUTHORS: Piotr K. Smolarkiewicz SPEAKER: Piotr K. Smolarkiewicz		The NEMO High Resolution Coastal Model for Wind Induced Vortices Prediction Fluid Dynamics (Ecomas CFD 2010 Lisbon) AUTHORS: Y. Ourmières; K. Guihou; C. Langlais; B. Zakardjian; Philippe Fraunié; P. Forget SPEAKER: Philippe Fraunié	Hybrid Parallelization of a Turbomachinery CFD Code: Performance Enhancements on Multicore Architectures AUTHORS: Christian Simmendinger; Edmund Kuegeler SPEAKER: Christian Simmendinger	Development of Two and Three-Dimensional Euler Solvers for Adaptively Refined Cartesian Grids with Multigrid Applications AUTHORS: Mehmet Çakmak; Mehmet Haluk Aksel; Cuneyt Sert SPEAKER: Mehmet Çakmak	Mixed Finite Element Schemes for Fluid Flows in Fractured Porous Media with Reduced Order Modeling of Fractures with Non-Matching Grids AUTHORS: C. D'Angelo; A. Fumagalli; Anna Scotti SPEAKER: Anna Scotti	Direct Numerical Simulation (DNS) of Turbulent Flow over Wavy Surfaces AUTHORS: Bojan Niceno; Simon Kuhn SPEAKER: Bojan Niceno	Robust Workflows for Large-Scale Multiphysics Simulation AUTHORS: Toan Nguyen; Jean-Antoine Desideri SPEAKER: Toan Nguyen	The Effect of Phase Transitions on the Droplet Size Distribution in Homogeneous Isotropic Turbulence AUTHORS: Briti S. Deb; Liliya Ghazaryan; Bernard J. Geurts; Hans Kuerten; Cees Van Der Geld; Herman Clercx SPEAKER: Briti S. Deb	On the Coupling of Micro and Mesoscopic Models in Hemodynamics AUTHORS: Giorgio Amati; A. M. Gambaruto; G. Pontrelli; Sauro Succi SPEAKER: Giorgio Amati	Simulation of Upward Flame Spread by Coupling a Pyrolysis Model with a CFD Calculation AUTHORS: Pieter Rauwoens; Joris Degroote; Shivanand Wasan; Jan Vierendeels; Bart Merckx SPEAKER: Pieter Rauwoens	
10:40 – 11:00	A Multilevel Method for Finite Volume Discretization of the Two-Dimensional Nonlinear Shallow-Water Equations AUTHORS: K. Adamy; A. Bousquet; S. Faure; J. Laminie; Roger Temam SPEAKER: Roger Temam	Comparison and Evaluation of Cell-Centered and Cell-Vertex Discretization in the Unstructured Tau-Code for Turbulent Viscous Flows AUTHORS: Gang Wang; Axel Schwöppe; Ralf Heinrich SPEAKER: Gang Wang	Two Numerical Schemes for Simulation of the Stratified Flows Past a Moving Body AUTHORS: Ludek Benes; J. Fürst; Philippe Fraunié SPEAKER: Ludek Benes	Turbulence Treatment in Steady and Unsteady Turbomachinery Flows AUTHORS: Martin Franke; Thomas Rober; Edmund Kuegeler; Graham Ashcroft SPEAKER: Martin Franke	Parallel Performance of Adaptive Algorithms with Dynamic Load Balancing AUTHORS: Stanislaw Gepner; J. Rokicki; Jerzy Majewski SPEAKER: Stanislaw Gepner	Kinetic Approach to Simulation of Multiphase Porous Media Flows AUTHORS: Boris N. Chetverushkin; Natalia G. Churbanova; Dmitriy N. Morozov; Marina A. Trapeznikova SPEAKER: Marina A. Trapeznikova	Mathematical Modeling of Non-Periodic Flows using Fourier Pseudo-Spectral and Immersed Boundary Methods AUTHORS: Felipe P. Mariano; Leonardo Q. Moreira; Aristu de Alveira Neto SPEAKER: Felipe P. Mariano	Optimization of the Application Middleware "Sphere" for Blue Gene/L System AUTHORS: Satoshi Ito; Kenji Ono SPEAKER: Satoshi Ito	Implicit Large-Eddy Simulation of Noise Radiated by a Subsonic Jet at High Reynolds Number AUTHORS: Carlos A. S. Moser; Jorge H. Silvestrini; Marcello A. F. de Medeiros SPEAKER: Carlos A. S. Moser	Lattice Boltzmann Method in Non-Inertial Reference Frames AUTHORS: Gonçalo Silva; Viriato Semião SPEAKER: Gonçalo Silva	SMARTFIRE – the Fire Field Modelling Environment AUTHORS: John Ewer SPEAKER: John Ewer	
11:00 – 11:20	Multi-Scale Features of Baroclinic Waves in Sound-Proof, Global Simulations with Euler AUTHORS: Joseph M. Prusa; William J. Gutowski SPEAKER: Joseph M. Prusa	3D Two-Phase Flow Simulations with the Extended Finite Element Method (XFEM) AUTHORS: Henning Sauerland; T.-P. Fries SPEAKER: Henning Sauerland	On the use of High Order Compact Schemes for the Simulation of Stably Stratified Fluid Flow AUTHORS: Tomáš Bodnár; Philippe Fraunié; Karel Kozel SPEAKER: Tomáš Bodnár	Predicting Transition on Low-Pressure Turbine Profiles AUTHORS: Vincent Marciniak; Edmund Kuegeler; Matthias Franke SPEAKER: Vincent Marciniak	Parallel Grid Generation for Large Eddy Simulation AUTHORS: Gary J. Page SPEAKER: Gary J. Page	Immersed Boundary Method Computation of Heat and Fluid Flow in Complex Porous Media AUTHORS: David J. L. Penha; Liliya Ghazaryan; Bernard J. Geurts; S. Stolz; M. Nordlund SPEAKER: David J. L. Penha	Recent Advances on the Immersed Structural Potential Method for Fluid-Structure Interaction Haemodynamic Applications. AUTHORS: Antonio J. Gil; Aurelio Arranz Carreño; J. Bonet; Oubay Hassan Assensi Olliv SPEAKER: Antonio J. Gil	Efficiency of Large-Scale CFD Simulations on Modern Supercomputers using Thousands of CPUs and Hybrid MPI+OpenMP Parallelization AUTHORS: Andrew V. Gorobets; R. Borrelli; F. X. Trias; T. K. Kozubskaya; Assensi Olliv SPEAKER: Andrew V. Gorobets	Direct Numerical Simulation of the 3D Stratified Viscous Fluid Flows around a Sphere AUTHORS: Pavel V. Matyushin; Valentin A. Gushchin SPEAKER: Pavel V. Matyushin	Particle Methods for Multiscale and Multiphysics Simulations AUTHORS: Petros Koumoutsakos SPEAKER: Petros Koumoutsakos	Simulating Fire & Safety Applications with ANSYS AUTHORS: Ilona Zimmermann; Elmar Schneckeloch SPEAKER: Ilona Zimmermann	
11:20 – 11:40	Numerical Modeling of Multiscale Atmospheric Flows: from Cloud Microscale to Climate AUTHORS: Wojciech W. Grabowski; Lian-Ping Wang SPEAKER: Wojciech W. Grabowski	Acceleration of CFD Computations through a Subspace Decomposition Method AUTHORS: George Pashos; Nikolaos Chelmonis; Eleni D. Koronaki; Andreas G. Boudouvis SPEAKER: George Pashos	Direct Numerical Simulation of Internal Waves Formation in Highly Stratified Wake Flow AUTHORS: H. Houcine; Y. Chashechkin; Philippe Fraunié; Jose M. Redondo; Adel Gharbi SPEAKER: Adel Gharbi	Recent Progress in a Hybrid-Grid CFD Solver for Turbomachinery Flows AUTHORS: Kai Becker; Kathrin Heitkamp; Edmund Kuegeler SPEAKER: Kai Becker	An Adaptive Discontinuous Galerkin Method for Modeling Cumulus Clouds AUTHORS: Andreas Müller; Francis X. Girault SPEAKER: Andreas Müller	Three-Dimensional Pore Scale Flow Simulation Based on Computed Microtomography Carbonate Rocks' Images AUTHORS: Jan Kaczmarczyk; Marek Dohnalik; Jadwiga Zaleska SPEAKER: Jan Kaczmarczyk	Development of an Immersed Boundary Method using Boundary Elements within a Vortex-In-Cell/Parallel Fast Multipole Method AUTHORS: Timothee Lonfilis; G. Winckelmanns SPEAKER: Timothee Lonfilis	A Multi-Dimensional Spatial Scheme for Massively Parallel Compressible Turbulent Combustion Simulation AUTHORS: Julien Bobbot; Q. H. Tran; A. Velghe; N. Gillet SPEAKER: Julien Bobbot	Large Eddy Simulation of Jet in Cross-Flow applied to the "Micromix" Hydrogen Combustion Principle AUTHORS: Elmar Recker; W. Bosschaerts SPEAKER: Elmar Recker	Leveraging Theory from Cosmodynamics for Multi-Scale Cardiovascular Simulation AUTHORS: Amanda Peters; Simone Melchionna; Sauro Succi; Efthimos Kaxiras SPEAKER: Amanda Peters	Toward FDS6: Complex Geometry, Embedded Meshes, and Quality Assessment AUTHORS: Randall McDermott; Glenn P. Forney; Kevin McGrattan; William E. Mell SPEAKER: Randall McDermott	
11:40 – 12:00	Modelling Flows through Canopies with Immersed Boundary Methods AUTHORS: Andreas Dörnbrack; C. Kühnlein; Piotr K. Smolarkiewicz SPEAKER: Andreas Dörnbrack	Optimization of the Iteration Parameters of the Krylov Subspace Methods for Simulation of Incompressible Flow AUTHORS: Alexander Shklyar; A. Arbel Platonov SPEAKER: Alexander Shklyar	Oil Spill Detection and Prediction in the NW Mediterranean Sea: New Multifactor Methods for SAR Analysis AUTHORS: Jose M. Redondo; Alexei Platonov SPEAKER: *****	High-Order Accurate Implicit Runge-Kutta Schemes for the Simulation of Unsteady Flow Phenomena in Turbomachinery AUTHORS: Kathrin Heitkamp; Kathrin Heitkamp; Edmund Kuegeler SPEAKER: Kathrin Heitkamp	Anisotropic Adaptive Meshing and Levelset Method for Interface Capturing Problems AUTHORS: Thierry Coupez SPEAKER: Thierry Coupez	A 2D Compact Finite Difference Immersed Boundary Method for Flow in Porous Media AUTHORS: Paulo J. S. A. Ferreira de Sousa; Isabel Mallico SPEAKER: Paulo J. S. A. Ferreira de Sousa	An Immersed Boundary Method for Large-Eddy Simulation of Fully Compressible Flows: Application to a Transonic Cavity Flow AUTHORS: Cindy Merlin; Pascale Domingo; Luc Vervisch; G. Lodato SPEAKER: Cindy Merlin	Using Grid Computing to Model Biosensors Acting in Stirred and Non-Stirred Solutions AUTHORS: Vytautas Ašeris; R. Baronas SPEAKER: Vytautas Ašeris	LES of Aircraft Wake Vortices Evolving in a Stably Stratified and Weakly Turbulent Atmosphere AUTHORS: Ivan De Visscher; G. Winckelmanns SPEAKER: Ivan De Visscher	Computer Simulation of Tank-Treading and Tumbling Motions of Red Blood Cells under the Influence of the Natural State of an Elastic Cellular Membrane AUTHORS: Ken-ichi Tsubota; Shigeko Wada; Hao Liu SPEAKER: Ken-ichi Tsubota		
12:00 – 12:20	An Unstructured Mesh Framework for Simulation of All-Scale Atmospheric Flows AUTHORS: Joanna Szmelter; Piotr K. Smolarkiewicz SPEAKER: Joanna Szmelter	Automatic Grid Refinement for the Accurate Computation of Free-Surface Flow around Ships AUTHORS: Jeroen Wackers; Khalid Ait-Said; Michel Visonneau SPEAKER: Jeroen Wackers	Multifractal Analysis of SAR of the Ocean Surface, Currents, Eddy Structure, Oil Spills and Diffusivity Analysis AUTHORS: Jose M. Redondo; Joan Grau; A. Matulka; Alexei Platonov SPEAKER: *****	Development of a Generic Surface Mapping Algorithm for Fluid-Structure-Interaction Simulations in Turbomachinery AUTHORS: Christian Voigt; Christian Frey; Hans-Peter Kersken SPEAKER: Christian Voigt		Calculation of the Microscale Flow through a Packed Bed using Finite Volume CFD AUTHORS: Gavin R. Tabor; M. Baker; P. D. G. Young SPEAKER: Gavin R. Tabor	An Immersed-Boundary Method for Solving Conjugate Heat Transfer Problems in Turbomachinery AUTHORS: S. Latore; M. D. de Tullio; P. De Palma; Michele Napolitano; G. Pascazio SPEAKER: Michele Napolitano	A Robust Parallel ILU Solver with Grid-Independent Convergence for the Coupled Steady Incompressible Navier-Stokes Equations AUTHORS: Friederik Wubs; Jonas Thies SPEAKER: Friederik Wubs	Large-Eddy Simulation of Subsonic Round Jets with Tripped Exit Boundary Layers AUTHORS: Christophe Bogey; Olivier Marsden; Christophe Bailly SPEAKER: Christophe Bogey			
12:20 – 13:30	Lunch Break											
	1.9 MS11 GPU Computing in CFD: Part I Organizers: S. Turek, D. Göddeke	2.9 Numerical Methods V	3.9 CFD for Marine Applications I	4.9 Turbomachines I	5.9 MS28 Aerodynamic Analysis of Flapping Wings: Part I Organizer: Rolf Radespiel	6.9 Vehicles and Traffic I	7.9 MS05 Inverse Techniques in CFD: Part I Organizers: R. Bialecki, H. Orlando	8.9 MS19 Shallow Water Models for Environmental Flows: Part I Organizer: Hervé Guillard	9.9 DNS/LES IV	10.9 MS16 Lattice Boltzmann, Particle Methods and Experiments of Complex Physiological Flows: Part II Organizers: A. Gambaruto, G. Pontrelli, S. Succi	11.9 MS21 Ventilation and Smoke Control in Underground Space: Part I Organizer: João Carlos Viegas	
13:30 – 14:00												
13:40 – 14:00	GPU Cluster Computing for Multigrid-FEM Solvers with Applications in CFD AUTHORS: Dominik Göddeke; Sven H. M. Buijssen; Hilmar Wobker; Stefan Turek SPEAKER: Dominik Göddeke	Streamlines of Vortical Flows in 3D Lid-Driven Cavities AUTHORS: Katsuya Ishii; Shizuko Adachi SPEAKER: Katsuya Ishii	A High-Performance Parallel Incompressible Navier-Stokes Two-Phase Flow Solver using the Level Set Method for Hydrodynamics Design AUTHORS: Anne-Cécile Lesage; G. Houzeaux; J. H. C. Owen; Mariano Vázquez SPEAKER: Anne-Cécile Lesage	The Role of Unsteadiness on a Turbine Vane Wake with Trailing Edge Cooling AUTHORS: Gregory M. Laskowski; Frederic Felten SPEAKER: Frederic Felten	Flow Phenomenon in Flapping Insect Wings AUTHORS: Fritz-Olaf Lehmann SPEAKER: Fritz-Olaf Lehmann	Large-Eddy Simulation on the Aerodynamic Pitching Stability of Road Vehicle AUTHORS: Makoto Tsubokura; Seeyuan Cheng; Takuji Nakashima; Takahide Nouzawa; Takaki Nakamura SPEAKER: Makoto Tsubokura	Inverse and Direct Techniques of the Heat Transfer Coefficient Retrieval in Impingement Jet Heat Exchange AUTHORS: Arkadiusz Rysa; Ryszard A. Bialecki SPEAKER: Ryszard A. Bialecki	Implicit Simulations of Shallow-Water Equations with Mobile Bed AUTHORS: Marco Balzani; I. Elmahi; Hervé Guillard; M. V. Salvetti; F. Beux SPEAKER: Marco Balzani	A Flow-Controlled Chemistry Tabulation Method for Large-Eddy Simulation of Turbulent Combustion with Detailed Chemistry AUTHORS: Nicolas Enjalbert; Pascale Domingo; Luc Vervisch SPEAKER: Nicolas Enjalbert	Confocal Micro-Flow Visualization of Blood Cells AUTHORS: Rui Lima; Takuji Ishikawa; Yohsuke Imai; Takami Yamaguchi SPEAKER: Rui Lima	Smoke Control in an Underground Car Park with Impulse Ventilation Comparison with Test Results AUTHORS: João L. Aveiro; João C. Viegas SPEAKER: João C. Viegas	
14:00 – 14:20	Large-Scale CFD Applications on Multi-Node GPU Cluster AUTHORS: Takayuki Aoki; Marlon Arce Acuna; Xian Wang; Satoru Ogawa SPEAKER: Takayuki Aoki	Characteristic Based Nonreflecting Boundary Conditions in a Simple-Type Pressure Correction Algorithm for Low Mach Number Flows AUTHORS: Yann Moguen; Tarik Kouksou; Erik Dick; Pascal Bruel SPEAKER: Yann Moguen	SPH Simulations of Free Surface Waves and the Interaction with Objects AUTHORS: Paul H. L. Groenenboom; Bruce K. Cartwright; Francesco Martelli; G. Paniagua; B. Saracoglu SPEAKER: Paul H. L. Groenenboom	Time-Resolved Analysis of the Base Region in Cooled Transonic Turbine Airfoils AUTHORS: Chiara Bernardini; S. Salvadori; Francesco Martelli; G. Paniagua; B. Saracoglu SPEAKER: Chiara Bernardini	Influence of the Foil Thickness on the Thrust of Oscillating Foil AUTHORS: Marco La Mantia; Peter Dabnichki SPEAKER: Marco La Mantia	Assessment of Several Turbulence Models in a Supersonic Car AUTHORS: Guillermo Araya; Ben J. Evans; Oubay Hassan; Kenneth Morgan SPEAKER: Ben J. Evans	Analysis of the Selected Problems of Heat Convection AUTHORS: Ireneusz Szczygiel SPEAKER: Ireneusz Szczygiel	Explicit Runge Kutta Residual Distribution for Shallow Water Flows AUTHORS: Mario Ricchiuto; Rémi Abgrail SPEAKER: Mario Ricchiuto	Extended Variational Multiscale Methods for Turbulent Variable-Density Flow at Low Mach Number and Premixed Combustion AUTHORS: Volker Gravemeier; Florian Henke; Wolfgang A. Wall SPEAKER: Volker Gravemeier	Blood Flows via Suspended Particles and Lattice Boltzmann Methods AUTHORS: Simone Melchionna SPEAKER: Simone Melchionna	Impulse Ventilation in Underground Car Parks the Influence of Parked Cars in Smoke Control AUTHORS: João C. Viegas SPEAKER: João C. Viegas	
14:20 – 14:40	Porting of FE2LO to GPUs AUTHORS: Andrew Corrigan; Fernando Camelli; Rainald Löhner; Fernando Mut SPEAKER: Andrew Corrigan	Enhancements of Piso Scheme in Collocated Grids AUTHORS: Antonio Pascau; Nelson Garcia SPEAKER: Antonio Pascau	Numerical and Experimental Analysis of the Wind Forces Acting on LNG Carrier AUTHORS: Anna D. Wnek; A. Paço; X.-Q. Zhou; C. G. Soares SPEAKER: Anna D. Wnek	Adaption and use of a Compressible Flow Code for Turbomachinery Design AUTHORS: Carlos Ventura; Emilie Sauret; Peter A. Jacobs; Paul Petrie-Repar; Rowan J. Gollan; Paul van der Laan SPEAKER: Peter A. Jacobs	Effect of Vertical Translation on Unsteady Aerodynamics of a Hovering Airfoil AUTHORS: Erkan Günaydinoglu; Dilek F. Kurtulus SPEAKER: Erkan Günaydinoglu	Spray Drag Model for Bloodhound SSC AUTHORS: Lakhdar Remaki; Ben J. Evans; Oubay Hassan; Kenneth Morgan SPEAKER: Lakhdar Remaki	Base Temperature Estimation of the Non-Fourier Fin with Different Profiles using Inverse Analysis AUTHORS: Aziz Azimi; Hossain Ahmadkia; Keivan Bamdad SPEAKER: Aziz Azimi	Numerical Modeling of Transient Flows Involving Erosion and Deposition of Sediments AUTHORS: Fayssal Benkhaldoun; S. Sari; Mohammed Seaid SPEAKER: Fayssal Benkhaldoun	Large Eddy Simulation in Generalized Curvilinear Coordinates and its Application to an Axisymmetric Dump Combustor AUTHORS: Balram Panjwani; Ivar S. Ertesvag; Andrea Gruber; Kjell Erik Rian SPEAKER: Balram Panjwani	Lattice Boltzmann Modelling Applied to a Bioreactor for Bone Tissue Engineering AUTHORS: Tim J. Spencer; I. Halliday; C. M. Care; L. A. Hidalgo-Bastida; S. H. Cartmell SPEAKER: Tim J. Spencer	Indoor Car Parks – CFD Application AUTHORS: Ricardo Fernandes; D. Henriques SPEAKER: Ricardo Fernandes	
14:40 – 15:00	Assembly of Finite Element Methods on Graphics Processors AUTHORS: Cris Cecka; E. Darve; A. Lew SPEAKER: *****	Element-Based Finite Volume Method for Solid Mechanics Problems AUTHORS: Gerson Filippini; Clovis R. Maliska; Miguel Vaz Jr. SPEAKER: Clovis R. Maliska	A Navier Stokes Solver for Axisymmetric Turbomachinery Analysis AUTHORS: Giulio Croce; Luca Ratto; Antonio Satta SPEAKER: Giulio Croce	A Novel Energetics Model for Examining Flapping Flight AUTHORS: Hesam Salehipour; David J. Willis SPEAKER: David J. Willis	Aerodynamic Optimization Study for Ford Cargo Truck Roof Spoiler & Side Extender Parts using CFD Tools AUTHORS: Cavit Cinar; M. Ö. Arslan SPEAKER: Cavit Cinar	Base Temperature Estimation of the Non-Fourier Fin with Different Profiles using Inverse Analysis AUTHORS: Aziz Azimi; Hossain Ahmadkia; Keivan Bamdad SPEAKER: Aziz Azimi	Numerical Modeling of Transient Flows Involving Erosion and Deposition of Sediments AUTHORS: Fayssal Benkhaldoun; S. Sari; Mohammed Seaid SPEAKER: Fayssal Benkhaldoun	Calibration of a Numerical Jet Fan Model for Simulating Smoke Control in Underground Car Park AUTHORS: Eric Didier; Bruno Henriques; Ricardo Brás SPEAKER: Bruno Henriques				
15:00 – 15:20	Coffee Break											
	1.10 MS11 GPU Computing in CFD: Part II Organizers: S. Turek, D. Göddeke	2.10 Numerical Methods VI	3.10 CFD for Marine Applications II	4.10 Turbomachines II	5.10 MS28 Aerodynamic Analysis of Flapping Wings: Part II Organizer: Rolf Radespiel	6.10 Vehicles and Traffic II	7.10 MS05 Inverse Techniques in CFD: Part II Organizers: R. Bialecki, H. Orlando	8.10 MS19 Shallow Water Models for Environmental Flows: Part II Organizer: Hervé Guillard	9.10 Hybrid RANS/LES II	10.10 MS16 Lattice Boltzmann, Particle Methods and Experiments of Complex Physiological Flows: Part III Organizers: A. Gambaruto, G. Pontrelli, S. Succi	11.10 MS21 Ventilation and Smoke Control in Underground Space: Part II Organizer: João Carlos Viegas	
15:20 – 15:50												
15:30 – 15:50	Towards a Multi-GPU Solver for the Three-Dimensional Two-Phase Incompressible Navier-Stokes Equations AUTHORS: Peter Zaspel; Michael Griebel SPEAKER: Peter Zaspel	Finite Element Variational Multiscale Formulation for Low Mach Number Flows Coupled with Radiative Heat Transfer AUTHORS: Matias Avila; Ramon Codina; Javier Principe SPEAKER: Matias Avila	A Three-Dimensional Model for the Dynamics and the Free-Surface Hydrodynamics of Rowing Boats AUTHORS: Luca Formaggia; Andrea Mola; Nicola Parolini SPEAKER: Nicola Parolini	Optimal CFD Analysis for Low Power Systems AUTHORS: Mariana Simão; Helena M. Ramos SPEAKER: Mariana Simão	A Multi-Fidelity Framework for Designing Compliant Flapping Wings AUTHORS: David J. Willis; Per-Olof Persson; Hesam Salehipour; Jaime Peraire SPEAKER: David J. Willis	CFD Optimization of Small Livestock Trailers AUTHORS: Harvey M. Thompson; C. Gilkeson; V. V. Toropov; Philip H. Gaskell; M. C. T. Wilson SPEAKER: Harvey M. Thompson	Optimal Heating Control to Prevent Solid Deposits in Pipelines AUTHORS: Flavio L. V. Vianna; Helcio R. B. Orlando; G. S. Dulikravich SPEAKER: Helcio R. B. Orlando	Solving the Multi-Layer Shallow Water Equations using the Finite Volume Method of Characteristics AUTHORS: Mohammed Seaid; Fayssal Benkhaldoun SPEAKER: *****	A Numerical Investigation of the Turbulent Flows using the Detached-Eddy Simulation AUTHORS: Karel Frana; V. Honzejk SPEAKER: Karel Frana	A Lattice Boltzmann Modeling of Bloodflow in Cerebral Aneurysms AUTHORS: Bastien Chopard; Daniel Lagrava; Jonas Latt; Orestis Malapinas; Rafik Ouared SPEAKER: Bastien Chopard	Natural and Mechanical Ventilation CFD Study for a Subway Station/Tunnel AUTHORS: José L. Sereno; Belén H. Tambo; Alvaro J. Santos SPEAKER: José L. Sereno	
15:50 – 16:10	A Lattice Boltzmann 3D-GPU-Implementation on Non-Uniform Grids AUTHORS: Martin Schönherr; Martin Geier; Maik Stieber; Manfred Krafczyk SPEAKER: Martin Schönherr	Time Integration Schemes for Incompressible Two-Phase Flow Problems AUTHORS: Patrick Esser; Arnold Reusken SPEAKER: Patrick Esser	Numerical Simulation of a Marine Propeller in a Cross Flow AUTHORS: Seth D. Schroeder; Charles M. Dai SPEAKER: Seth D. Schroeder	Numerical Simulation of Swirling Flow in Complex Hydroturbine Draft Tube using Large Eddy Simulation AUTHORS: Cédric Duprat; Sylvain Tridon; Guillaume Balarac; Stéphane Barre; Olivier Métais; Claire Séguin; Pierre Leroy SPEAKER: Cédric Duprat	Investigation of the Low-Reynolds Number Flow around a Flapping Flexible Airfoil AUTHORS: Ralf Unger; Matthias C. Haupt; Peter Horst SPEAKER: Ralf Unger	2D Micro- and Macroscopic Models for Simulation of Heterogeneous Traffic Flows AUTHORS: Boris N. Chetverushkin; Natalia G. Churbanova; Ilya R. Furmanov; Marina A. Trapeznikova SPEAKER: Natalia G. Churbanova	An Inverse Formulation for Solution of Free-Boundary Problems in Fluid Mechanics AUTHORS: Bartosz Protas; Ramesh Yapapani; Oleg Volkov SPEAKER: Bartosz Protas	Dry Granular Flows with Erosion and Deposition AUTHORS: C.-Y. Kuo; Boniface Nkonga; Mario Ricchiuto; Y.-C. Tai; B. Braconnier SPEAKER: *****	Compressibility Effects on the Vortical Flow over a 65 Degree Swept Delta Wing AUTHORS: Jacques Riou SPEAKER: Jacques Riou	Multiscale Coupling of a Lattice Boltzmann Simulation of Blood Flow to Cell- and Tissue-Level Processes: the Case of In-Stent Restenosis AUTHORS: Alfons G. Hoekstra SPEAKER: Alfons G. Hoekstra	Importance of CFD's on HVAC AUTHORS: Ricardo Fernandes; D. Henriques SPEAKER: Vasco Campos	
16:10 – 16:30	Performance Modeling and Optimization for 3D Lattice Boltzmann Simulations on Highly Parallel On-Chip Architectures: GPUs Vs. Multi-Core CPUs AUTHORS: Johannes Habich; T. Zeiser; G. Hager; G. Wellen SPEAKER: Johannes Habich	Efficient Computation of Dynamic Stability Data with a Linearized Frequency Domain Solver AUTHORS: Markus Widhalm; R. P. Dwight; R. Thormann SPEAKER: Markus Widhalm	Propeller-Flow Predictions using Turbulent Vorticity-Confinement AUTHORS: Manuel Manzke; Thomas Rung SPEAKER: Manuel Manzke	Time-Accurate Turbomachinery Simulations with Open-Source CFD; Flow Analysis of a Single-Channel Pump with OpenFOAM AUTHORS: Mikko Auvinen; Juhaveikko Ala-Juusela; Nicholas Pedersen; Timo Sikonen SPEAKER: Mikko Auvinen	Numerical Modeling of Flow Dynamics Induced by Fruit Flies During Free-Flight AUTHORS: Andrei Shishkin; Claus Wagner SPEAKER: Andrei Shishkin	A New Viscous Inverse Design Method for Internal and External Flow over Airfoils using CFD Techniques AUTHORS: Raja Ramamurthy; Benedikt Roidl; Wahid Ghaly SPEAKER: Raja Ramamurthy	Non-Reactive Free Jet Flow: Comparison of Simulations using Different Turbulence Models with Reference Measurements AUTHORS: Regine Model; G. Lindner; D. Markus SPEAKER: Regine Model	A Simplified Particulate Model for Coarse-Grained Hemodynamics Simulations AUTHORS: Florian Janoschek; Jens Harting; Federico Toschi SPEAKER: Florian Janoschek				
16:30 – 16:50		Robust Spectral Reprojection for Discontinuous Galerkin Simulations on Unstructured Grids AUTHORS: Adrian G. Maroni; Klaus A. Hoffmann SPEAKER: Adrian G. Maroni	Multiphysics SPH for Harbor and Ocean Engineering Hydrodynamics AUTHORS: Christian Ulrich; Thomas Rung SPEAKER: Christian Ulrich	Some Observations on Periodic and Transient Motions as Abstractions of Flapping Wing Aerodynamics AUTHORS: Michael V. OL SPEAKER: Michael V. OL				Computations of Unsteady Cavitating Flow over a Hydrofoil using Unsteady RANS and Detached Eddy Simulations AUTHORS: Andrey Gavrilov; A. Dekterev; K. Finnikov SPEAKER: Andrey Gavrilov				
17:00 – 17:20	CLOSING CEREMONY (Room A1)											

Thursday, June 17th