

REGISTRATION												
OPENING SESSION (Room A1)												
From 08:00			PLENARY LECTURE: Isogeometric and Variational Multiscale Methods in Computational Fluid Dynamics. Thomas J. R. Hughes, University of Texas, USA.									
08:30 - 09:10			PLENARY LECTURE: Higher Order Discontinuous Galerkin methods with emphasis on Aeronautical applications. Francesco Bassi, University of Bergamo.									
09:10 - 09:50			Coffee Break									
09:50 - 10:30			Coffee Break									
10:30 - 10:50			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	
	1.1 Numerical Methods for High Speed Flows I	2.1 Computational Electromagnetics I	3.1 MS12 Numerical Modelling of Waves Interacting with Coastal Structures	4.1 MS18 Reliable Numerical Methods for Atmosphere and Ocean Models: Part I	5.1 Gas-Liquid Interfaces	6.1 MS17 Combustion	7.1 MS06 Model Order Reduction in Complex Systems in CFD: Part I	8.1 Computational Acoustics I	9.1 MS35 Discontinuous Galerkin Methods: Part I	10.1 Physiological Flows I	11.1 MS30 Modern Programming Techniques for Numerical Analysis Software	
			Organizers: E. Didier, M. G. Neves	Organizers: A. Mahalov, P. Neittaanmaki, S. Repin		Organizer: Wolfgang Schröder	Organizers: G. Rozza, B. Haasdonk, M. Ohlberger		Organizers: M. Feistauer, V. Dolejsi		Organizers: C. Engwer, T. Richter	
10:50 - 11:20	New Limiter and Gradient Reconstruction Method for HLLC-Finite Volume Scheme to Solve Navier-Stokes Equations AUTHORS: Lakhdar Remaki; Oubay Hassan; Kenneth Morgan SPEAKER: Lakhdar Remaki	A 3D Finite Element Method for the Coupled Numerical Simulation of Electrochemical Systems and Fluid Flow: Ion Transport in Electrodeposition AUTHORS: Georg Bauer; Volker Gravemeier; Wolfgang A. Wall SPEAKER: Georg Bauer	A Lagrangian Smoothed Particle Hydrodynamics - SPH - Method for Modelling Waves-Coastal Structure Interaction AUTHORS: Eric Didier; Maria G. Neves SPEAKER: Eric Didier	Wind Power Energy Activity in Finland ? AUTHORS: Pekka J. Neittaanmaki SPEAKER: Pekka J. Neittaanmaki	An Optimal Approach for Velocity Interpolation in Multilevel VOF Method AUTHORS: Antonio Cervone; Sandro Manservigi; R. Scardovelli SPEAKER: Antonio Cervone	Modeling Preferential Diffusion Effects in Premixed Methane-Hydrogen-Air Flames by using Flamelet-Generated Manifolds AUTHORS: Jeroen van Oijen; Rob Bastiaans; Philip de Goeij SPEAKER: Jeroen van Oijen	Model Order Reduction by Reduced Basis Methods for Shape Optimization in Computational Fluid Dynamics AUTHORS: Gianluigi Rozza; Andrea Manzoni SPEAKER: Gianluigi Rozza	Sixth-Order Compact Finite Volume Scheme for Aeroacoustics with Complex Geometries AUTHORS: Amaud F. Pouangué; H. Deniau; N. Lamarque; J-F. Bousuge SPEAKER: Amaud F. Pouangué	DGFEM for the Numerical Solution of Compressible Flow in Time-Dependent Domains and Applications to Fluid-Structure Interaction AUTHORS: Miroslav Feistauer; Jaromir Horáček; Václav Kucera; Jaroslava Prokopová SPEAKER: Miroslav Feistauer	Vessels' Compliance Estimation Based on a Control Approach applied to Medical Images and FSI Problems AUTHORS: Mauro Perego; Alessandro Veneziani; Christian Vergara SPEAKER: Mauro Perego	Benefits of Generic Software: Convenient Parallelization of Micro-Scale DG-CFD Simulations AUTHORS: Christian Engwer SPEAKER: Christian Engwer	
11:20 - 11:40	Spectral Volume Method : Application to Euler Equations and Performance Appraisal AUTHORS: Oussama Chikhaoui; J. Gressier; G. Gronlin SPEAKER: Oussama Chikhaoui	Hybridization of Numerical Schemes in Time Domain to Solve the Vlasov-Maxwell Equations AUTHORS: Laura Pebernet; X. Ferrières; F. Rogier; P. Degond SPEAKER: Laura Pebernet	Comparisons of Wave Overtopping at Coastal Structures Calculated with AMAZON, COBRAS-UC and SPHYCS AUTHORS: Maria G. Neves; M. T. Reis; Eric Didier SPEAKER: Maria G. Neves	Indeterminant Data in Problems of Continuum Mechanics AUTHORS: Olli J. Mali; Pekka J. Neittaanmaki; Sergey I. Repin SPEAKER: Olli J. Mali	Segment Patching of the Higher Order Interface Reconstruction for the Volume of Fluid Method AUTHORS: Joris C. G. Verschaeve SPEAKER: Joris C. G. Verschaeve	LES Modeling of Kinetics-Controlled Combustion Regimes: Autoignition and Low-Temperature Combustion AUTHORS: Matthias Ihme SPEAKER: Matthias Ihme	A Certified Reduced Basis Method for the Parametrized Unsteady Boussinesq Equations AUTHORS: David J. Knezevic SPEAKER: David J. Knezevic	Boundary Algorithms for High-Accuracy Aeroacoustic Schemes AUTHORS: Ludwig W. Dorodnitsyn SPEAKER: Ludwig W. Dorodnitsyn	Hamiltonian Discontinuous Galerkin FEM for Linear Incompressible Fluid Simulations AUTHORS: Shavarsh Nurjanyan; Onno Bokhove SPEAKER: Shavarsh Nurjanyan	A Data Assimilation Technique for including Noisy Measurements of the Velocity Field into Navier-Stokes Simulations AUTHORS: Marta D'Elia; Alessandro Veneziani SPEAKER: Marta D'Elia	Generic Programming for Flexible, High Performance Numerical Software AUTHORS: Bard Skaflestad; Atgeir F. Rasmussen SPEAKER: Bard Skaflestad	
11:40 - 12:00	An Implicit Spectral Finite Volume Method for Unstructured Grid Aerodynamic Simulations AUTHORS: Carlos Breviglieri; João L. F. Azevedo; Edson Basso SPEAKER: João L. F. Azevedo	Coherent Vorticity and Current Extraction in Three-Dimensional Homogeneous Magnetohydrodynamic Turbulence: Comparison Between Wavelet and Fourier Filtering AUTHORS: Naoya Okamoto; K. Yoshimatsu; Y. Kondo; K. Schneider; M. Farge SPEAKER: Naoya Okamoto	Comparison of Three Nonlinear Models to Analyze Wave Propagation over Submerged Trapezoidal Breakwaters AUTHORS: Liliana V. Pinheiro; Lilliana V. Pinheiro; Conceição J. Fortes SPEAKER: Paulo R. F. Teixeira	Stability of the Ekman Boundary Layer AUTHORS: Juergen Saal SPEAKER: Juergen Saal	A PLIC-VOF Implementation on Parallel 3D Unstructured Meshes AUTHORS: Lluis Jofre; Oriol Lehmkuhl; J. Castro; Assensi Oliva SPEAKER: Lluis Jofre	Recent Advances in Flame Response Prediction for Combustion Instability Modelling AUTHORS: Santosh Hemchandra SPEAKER: Santosh Hemchandra	Reduced-Basis Approximation and a Posteriori Error Estimation for the Parametrized Incompressible Navier-Stokes Equations AUTHORS: Karen Veroy; David J. Knezevic; Anthony T. Patera SPEAKER: Karen Veroy	Efficiency Investigation of a Parallel Hierarchical Grid Based Aeroacoustic Code for Low Mach Numbers and Complex Geometries AUTHORS: Michael Kornhaas; Dörte C. Sternel; Michael Schäfer SPEAKER: Michael Kornhaas	Development of an Unstructured High Order Incompressible Discontinuous Galerkin Finite Element Method AUTHORS: Ricardo F. Oliveira; R. H. J. Willden; G. T. Houlby SPEAKER: Esteban Ferrer	Deposition of Non-Spherical Particles (Fibres) in a Channel with Subsequent Bifurcations AUTHORS: Matej Forman; Jaroslav Volavý SPEAKER: Matej Forman	h5Fed - a hDF5 Based Finite Element Data Library AUTHORS: Achim Gsell; Benedikt Oswald; Andreas Adelmann; Edward W. Bethel; Mark Howison; Prabhat; John M. Shafr SPEAKER: Achim Gsell	
12:00 - 12:20	Entropy Viscosity for Conservation Equations AUTHORS: J. L. Guermont; Richard Pasquetti; B. Popov SPEAKER: Richard Pasquetti	Approximation of the Thermally Coupled MHD Problem using a Stabilized Finite Element Method AUTHORS: Ramon Codina; Noel Hernández-Silva SPEAKER: Ramon Codina	Bottom Friction and Wave Breaking Implementation in the BOUSS3W Nonlinear Wave Propagation Model AUTHORS: Liliana V. Pinheiro; Conceição J. Fortes; Paulo R. F. Teixeira; M. A. Walkley SPEAKER: Liliana V. Pinheiro	Fast Singular Oscillating Limits of Hydrodynamic PDEs: Application to 3D Rotating Navier-Stokes, Boussinesq and MHD Equations AUTHORS: Alex Mahalov SPEAKER: Alex Mahalov	Numerical Treatment of Contact Line Motion Near a Sharp Corner AUTHORS: Poorya A. Ferdowsi; M. Bussmann SPEAKER: Poorya A. Ferdowsi	Assessment of the Performance of Several Turbulence and Combustion Models in the Numerical Simulation of Mild Combustion in a Laboratory Combustor AUTHORS: Amândio Rebelo; Pedro J. Coelho; Mário Costa SPEAKER: Pedro J. Coelho	A Posteriori Error Bounds for Reduced Basis Approximations of Nonlinear Parabolic Partial Differential Equations AUTHORS: Martin A. Grepl SPEAKER: Martin A. Grepl	Fluid-Structure-Acoustic Interaction, Algorithms and Implementations using the Finite Element Method AUTHORS: Stefan Zörner; M. Kaltenbacher SPEAKER: Stefan Zörner	Discontinuous Galerkin Implementation with hpGEM AUTHORS: Mochamad T. Julianto; Vijaya R. Ambati; Onno Bokhove; J. J. W. van der Vegt; Thomas Weinhart; Anthony R. Thornton SPEAKER: Mochamad T. Julianto	CFD Study of the Volumetric® Spacer: a Realistic Approach AUTHORS: Ricardo F. Oliveira; Senhorinha Teixeira; Luis F. Silva; José Carlos Teixeira; Henedina Antunes SPEAKER: José Carlos Teixeira	Generic Finite Element Programming for Massively Parallel Flow Simulations AUTHORS: Timo Heister; Martin Kronbichler; Wolfgang Bangert SPEAKER: Timo Heister	
12:20 - 12:40	Improvements of Simple Low-Dissipation AUSM against Shock Instabilities in Consideration of Interfacial Speed of Sound AUTHORS: Keiichi Kitamura; Eiji Shima SPEAKER: Keiichi Kitamura	High Order Discontinuous Galerkin Solution of 1D Ideal Magnetohydrodynamic Equations AUTHORS: Alessandra Nigro; C. De Bartolo; F. Bassi SPEAKER: Alessandra Nigro	Numerical Modelling of Wave-Structure Interaction with a Three Dimensional Navier-Stokes Model AUTHORS: Javier L. Lara; Inigo J. Losada; Manuel del Jesus; G. Barajas; R. Guanche SPEAKER: Manuel del Jesus	Correction on Cooper and Haines Method with the Relationship Between Sea-Level and Bottom Pressure Variability AUTHORS: João R. P. Nogueira; Aires J. P. dos Santos; M. M. F. Juliano SPEAKER: *****	Modification and Extension of a Standard Volume-Of-Fluid Solver for Simulating Boiling Heat Transfer AUTHORS: Christian Kunkelmann; Peter Stephan SPEAKER: Christian Kunkelmann	Model Reduction for Reacting Flow Applications AUTHORS: Marcelo Buffoni; V. B. Nguyen; K. Wilcox SPEAKER: Marcelo Buffoni	Simulation of Automotive Injector Nozzle Noise with Fully Coupled CFD/CAA Solver AUTHORS: Harald Klimach; Sabine P. Roller; Jens Uitzmann; Claus-Dieter Munz SPEAKER: Sabine P. Roller	Space-Time Discontinuous Galerkin Method for Nonlinear Water Waves: Variational vs. Weak Formulation AUTHORS: Vijaya R. Ambati; Onno Bokhove; J. J. W. van der Vegt SPEAKER: Vijaya R. Ambati	Simulation of the Breathing Cycle in the Extrathoracic Region using an Immersed Boundary Approach AUTHORS: Laura Nicolau; Tamer Zaki SPEAKER: *****		Generic and Efficient Implementation Techniques for High Order Finite Elements AUTHORS: Joachim Schöberl SPEAKER: *****	
12:40 - 13:00			Numerical Analysis of Coastal Structures at Prototype Scale using IH-2VOF AUTHORS: Inigo J. Losada; R. Guanche; Manuel del Jesus; Javier L. Lara; C. Vidal SPEAKER: Javier L. Lara		Simulation of Interfacial Gas-Liquid Annular Flows using an Interfacial Function AUTHORS: Galileu H. Oliveira; Luis M. Portela SPEAKER: Galileu H. Oliveira			Effect of Distance on Aeroacoustic Waves from Double Cavities in Tandem Arrangements AUTHORS: T. Shimizu; Taku Nonomura; Kozo Fujii; M. Yamamoto SPEAKER: Taku Nonomura				
13:00 - 14:00 Lunch Break												
13:30 - 15:30 POSTER SESSION 1												

Room	Room A1	Room A2	Room A3	Room A4	Room B5	Room B6	Room A7	Room C8	Room D9	Room E10	Room F11
	1.2 Numerical Methods for High Speed Flows II	2.2 Computational Electromagnetics II	3.2 MS23 Modelling of Contact Line Dynamics	4.2 MS18 Reliable Numerical Methods for Atmosphere and Ocean Models: Part II	5.2 Multiphase Flows I	6.2 Combustion and Reactive Flows I	7.2 MS06 Model Order Reduction in Complex Systems in CFD: Part II	8.2 Computational Acoustics II	9.2 MS35 Discontinuous Galerkin Methods: Part II	10.2 MS14 Bioflows in the Airways	11.2 MS10 Image Processing and Visualization
			Organizers: Bernhard Müller, Gunilla Kreiss	Organizers: A. Mahalov, P. Neittaanmaki, S. Repin			Organizers: G. Rozza, B. Haasdonk, M. Ohlberger		Organizers: M. Feistauer, V. Dolejsi	Organizers: C. Lactor, W. Schröder	Organizers: J. M. R. S. Tavares, R. M. N. Jorge
15:00 - 15:30	A Symmetrizing Variables Formulation for Hypersonic Thermo-Chemical Non-Equilibrium Flows, with Application to Residual Distribution Schemes AUTHORS: Jesús Garicano Mena; Andrea Lani; Gérard Degrez; Herman Deconinck SPEAKER: Jesús Garicano Mena	A Contribution on the Numerical Simulation of ICP Torches. AUTHORS: S. Clain; D. Rochette; R. Touzani; Mário L. da Silva; D. Vacher; P. André SPEAKER: Mário L. da Silva	Modelling Drops on Micropatterned Surfaces AUTHORS: B. M. Mogneti; Julia M. Yeomans SPEAKER: Julia M. Yeomans	Guaranteed a Posteriori Error Estimates for Viscous Flow Problems in Rotation Frame AUTHORS: Sergey I. Repin SPEAKER: Sergey I. Repin	Analysis of the Cavitating Flow in Real Size Diesel Injectors with Fixed and Moving Needle Lift Simulations AUTHORS: Xandra Margot; Antonio Garcia; Pablo Fajardo; Stavroula Patouna SPEAKER: Xandra Margot	A Computational Framework for Multiscale Modeling in Chemical Vapor Deposition Processes AUTHORS: Nikolaos Cheimarios; George Kokkoris; Andreas G. Boudouvis SPEAKER: Nikolaos Cheimarios	Parametrized Discrete Empirical Interpolation of Nonlinear Implicit Evolution Operators AUTHORS: Martin Drohmann; Bernard Haasdonk; Mario Ohlberger SPEAKER: Martin Drohmann	Numerical Investigation of Flow Features and Acoustic Radiation from Round Cavities AUTHORS: Olivier Marsden; Christophe Bogy; Christophe Bailly SPEAKER: Olivier Marsden	Semi-Implicit Discontinuous Galerkin Finite Element Method for the Steady State Compressible Flows AUTHORS: Vit Dolejsi SPEAKER: Vit Dolejsi	Numerical Study of Particle Deposition in the Human Upper Airways with Emphasis on Hot Spot Formation and Comparison of LES and RANS Models AUTHORS: Vivek Agnihotri; Khairy Elsayed; Chris Lactor; S. Verbanck SPEAKER: Vivek Agnihotri	Numerical and Experimental Images of Multiphase Plasma Jet During Plasma Processing of Dispersed Materials AUTHORS: Viktorja Grigaitiene; R. Kezeliš; V. Valincius; P. Valatkevicius SPEAKER: Viktorja Grigaitiene
15:30 - 15:50	Investigation of Slip Boundary Conditions of Hypersonic Flow over Microporous Surfaces AUTHORS: Viola Wartemann; Heinrich Lüdeke SPEAKER: Viola Wartemann	Flow Analysis of the HCLL-TBM(ITER) Channels including MHD and Heat Transfer AUTHORS: Elisabet M. de les Valls; J. Fradera; L. Batet SPEAKER: Elisabet M. de les Valls	Sharp-Interface Simulations of Surfactant-Covered Drops in Electric Fields AUTHORS: Knut E. Teigen; Karl Y. Lervag; Svend T. Munkejord SPEAKER: Knut E. Teigen	New Indicators of Approximation Errors for Problems in Continuum Mechanics AUTHORS: Immanuel B. Anjam; Olli J. Mali; Pekka J. Neittaanmaki; Sergey I. Repin SPEAKER: Immanuel B. Anjam	Multicomponent Droplet Evaporation of Heating Oil using a Continuous Thermodynamics Model AUTHORS: Melanie Grote; K. Lucka; H. Köhne SPEAKER: Melanie Grote	CFD Re-Design of a Gas Turbine Can-TYPE Combustion Chamber Hydrogen Fired AUTHORS: Alessandro Marini; Alessandro Cappelletti; Giovanni Riccio; Francesco Martelli SPEAKER: Alessandro Cappelletti	A New Hierarchical Model Reduction Technique Based on Reduced Basis Methods and Dimensional Splitting AUTHORS: Mario Ohlberger; Kathrin Smetana SPEAKER: Kathrin Smetana	Computational Analysis of Aeroacoustic Waves Induced by Rotating Tire AUTHORS: Ittetsu Kaneda; Taku Nonomura; Kozo Fujii; Toshiyuki Ikeda; Masataka Koishi SPEAKER: Ittetsu Kaneda	Discontinuous Galerkin Schemes with Reconstruction: the PN PM-approach AUTHORS: M. Dumbser; A. Filimon; Claus-Dieter Munz SPEAKER: Claus-Dieter Munz	Analysis of the Temporal Flow Field in Tracheobronchial Model AUTHORS: Wolfgang Schröder; G. Eitel; T. Sood; A. Henze SPEAKER: Wolfgang Schröder	Reconstructing Experimental Data from Video Records for Film Flow over a Spinning Disk AUTHORS: Valentina N. Korzhova; Dmitry B. Goldgof; G. M. Sisoev SPEAKER: Dmitry B. Goldgof
15:50 - 16:10	Discrete Kinetic Finite Volume Schemes for Multidimensional Systems of Conservation Laws on Unstructured Non-Cartesian Grids AUTHORS: Denise Aregba-Driollet; Frédéric Krantz SPEAKER: Frédéric Krantz	Numerical Simulations of the Lorentz Force Flowmeter AUTHORS: Axelle Viré; B. Knaepen; A. Thess SPEAKER: Axelle Viré	Simulations of Small Scale Fluid Flows Dominated by Capillarity and Wetting AUTHORS: Gustav Amberg SPEAKER: Gustav Amberg	A Posteriori Error Estimates for Approximate Solutions of Barenblatt-Biot Porolelastic Model AUTHORS: J. M. Nordbotten; T. Rahman; Sergey I. Repin; Jan Valdiman SPEAKER: Jan Valdiman	CFD Modeling of Two-Phase Flow in Vertical Bubbly Flow Condition: Isothermal and Subcooled Boiling Conditions AUTHORS: F. Pellacani; Silvana Matturo; Sergio Chiva; R. Macian SPEAKER: F. Pellacani	Influence of Radiative Heat Transport on the 3D Unsteady Flow in a Diffusion Furnace AUTHORS: Roland Kessler; M. Lambert SPEAKER: Roland Kessler	Model Order Reduction of a Continuous Crystallizer AUTHORS: Mykhaylo Krasnyk; Michael Mangoldy SPEAKER: Mykhaylo Krasnyk	Applicability of RANS Models for Accurate Computation of Flow over Airfoils with Serrated Trailing Edges AUTHORS: Gérson C. Fernandes; Markus Weinmann; Richard D. Sandberg SPEAKER: Gérson C. Fernandes	Time Stepping and Linear Stability of Runge-Kutta Discontinuous Galerkin Methods on Triangular Grids AUTHORS: Thomas Toulorge; Wim Desmet SPEAKER: Thomas Toulorge	High Order Numerical Simulation of Fluid-Structure Interaction in Human Phonation AUTHORS: Martin Larsson; Bernhard Müller SPEAKER: Martin Larsson	Towards Artificial Vision and Pattern Recognition Techniques for Application in Liquid Composite Moulding Processes AUTHORS: Ubaldo Pineda; N. Montés; F. Sánchez SPEAKER: Ubaldo Pineda
16:10 - 16:30	Numerical Study of the Influence of Dissipative Effects on the Propagation of Detonation Waves in Narrow Shock Tubes AUTHORS: Davy Ngomo; Ashwin Chinnayya; Abdellah Hadjadj SPEAKER: Davy Ngomo	Numerical Simulation of an Electric Charged Compressible Gas-Flow with Adaptive Mesh Refinement AUTHORS: Stephan Reichel; Rodion Groll; H. J. Rath SPEAKER: Stephan Reichel	A Hybrid Level-Set-Cahn-Hilliard Model for Two-Phase Flow AUTHORS: Martin Kronbichler; Gunilla Kreiss SPEAKER: Martin Kronbichler	Computational Studies of Inertia-Gravity Waves Radiated from Upper Tropospheric Jets AUTHORS: Alex Mahalov; Mohamed Moustauui SPEAKER: Alex Mahalov		Simulation of a Button-Type Solid Oxide Fuel Cell AUTHORS: E. Vakouftis; G. Marnellos; C. Athanasios; Frank A. Coustelieris SPEAKER: Frank A. Coustelieris	A 3D CFD Model of a Natural Draft Wet-Cooling Tower AUTHORS: Adam Klimanek; Ryszard A. Bialecki; Ziemowit Ostrowski SPEAKER: *****	Investigation by Acoustic Resonance of Human Body AUTHORS: Gheorghe V. Gavriloiu; Mariuca-Roxana G. Gavriloiu SPEAKER: Gheorghe V. Gavriloiu	Characteristic Boundary Conditions for the Numerical Solution of Euler Equations by the Discontinuous Galerkin Methods AUTHORS: Ioannis Tzouloupoulos; John A. Ekaterinaris SPEAKER: Ioannis Tzouloupoulos	Impact of Nasal Geometry Inclusion on Numerical Simulation of Flow in Human Upper Airway AUTHORS: Prihambodo H. Saksono; Raoul van Loon; Igor Sazonov; Perumal Nithiarasu SPEAKER: Raoul van Loon	Transient Flow Analysis by Imaging Methods - Voronoi Particle Tracking Velocimetry applied to the Dam Break Flow AUTHORS: Rui Aleixo; S. Soares-Frazão; Y. Zech SPEAKER: Rui Aleixo
16:30 - 16:50	A Zonal Euler/Viscous Solver for Compressible Flows AUTHORS: Cristian Biotto; J. Peiró SPEAKER: Cristian Biotto	Numerical Simulation of Thermal Convection under the Influence of a Magnetic Field by using Solenoidal Bases AUTHORS: Durmus Yarımpabuc; Hakan I. Tarmar SPEAKER: Durmus Yarımpabuc	A Conservative Level Set Method for Sharp Interface Multiphase Flow Simulation AUTHORS: Claudio Walker; Bernhard Müller SPEAKER: Claudio Walker			Hydrogen Combustion of a Double Cavity Trapped Vortex Combustor AUTHORS: Alessandro Di Marco; R. Camussi; S. Giannarini SPEAKER: Alessandro Di Marco	CFD Modelling of the Heat and Acoustic Streaming induced by a High Power Ultrasonic Hom Reactor AUTHORS: Francisco Trujillo; Kai Knoerzer SPEAKER: Francisco Trujillo	Flow in Naturally Changing Central Airways AUTHORS: Eike Hylla; O. Frederich; Frank Thiele; Xin Wang; I. Wegner; H.-P. Meinzer; M. Puderbach SPEAKER: Eike Hylla	A Subspace Clustering Model for Image Texture Segmentation AUTHORS: Yan Nei Law; Hwee Kuan Lee; Andy M. Yip SPEAKER: Andy M. Yip		
16:50 - 17:10	NURBS-Enhanced Finite Volume Method (NEFVM) AUTHORS: Ruben Sevilla; Oubay Hassan; Kenneth Morgan SPEAKER: Ruben Sevilla	The Simulation of the Motion of Solid Particles in the Turbulent Flow of Induction Crucible Furnaces AUTHORS: Mihails Scepanškis; Andris Jakovics; Bernard Nacke SPEAKER: Mihails Scepanškis				Simulation of Gas Exhaustion from a Combustion Chamber of a Reciprocating Engine AUTHORS: Milan Žaloudek; Jaroslav Fort; Herman Deconinck SPEAKER: Milan Žaloudek	Numerical Study of Thermoacoustic Wave Amplification AUTHORS: Catherine Weisman; Diana Baltean-Carlès; Patrick Le Quéré; Luc Bauwens SPEAKER: Luc Bauwens		Numerical Simulation of Airflow through Simplified Vocal Tract Geometries Relevant to Speech Production AUTHORS: Annemie Van Hirtum; K. Nozaki SPEAKER: Annemie Van Hirtum		
17:10 - 17:30											
18:00 - 20:00											
20:00											

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

Tuesday, June 15th

PLENARY LECTURE: Bioinspired Flow Optimization. Petros Koumoutsakos, ETH Zurich.

PLENARY LECTURE: Turbulent combustion modeling: new approaches for highly refined simulations. Luc Vervisch, CORIA-CNRS & INSA Rouen, France.

Table with 13 columns (Room A1 to Room F11) and 24 rows (8:30-9:10 to 17:50-18:10). Each cell contains a title and list of authors/speakers. Includes sections for Coffee Break and Lunch Break.

Wednesday, June 16th

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

Coffee Break

Table with 11 columns (Room A1 to Room F11) and multiple rows of abstracts. Each cell contains a title, authors, and a speaker. Topics include computational fluid dynamics, fluid-structure interaction, and aerodynamics.

Lunch Break

POSTER SESSION 2

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

Coffee Break

Table with 11 columns (Room A1 to Room F11) and multiple rows of abstracts. Each cell contains a title, authors, and a speaker. Topics include multiphysics, transition and laminar flow, and moving boundary problems.

BOARDING TO THE CONFERENCE BANQUET FROM HOTELS
BANQUET

Thursday, June 17th

PLENARY LECTURE: A fast immersed boundary method with application to low Reynolds number aerodynamics. Tim Colonius, California Institute of Technology, USA.

PLENARY LECTURE: Coupling fields and scales in computational (bio) fluid dynamics – Advanced methods and applications. Wolfgang A. Wall, Technische Universität München, Germany.

Coffee Break

Table with 12 columns (Room A1 to Room F11) and 18 rows (8:30-9:10 to 17:00-17:20). Each cell contains a room number and a title for a presentation or lecture. The table is organized into sections: Plenary Lectures, Coffee Breaks, Lunch Break, and another Coffee Break. The final row (17:00-17:20) is a closing ceremony in Room A1.

CLOSING CEREMONY (Room A1)