Welcome address (May 25th 8:30-8:45 CEST, UTC+2): Stefano Rolfo and Daniele Marchisio												
Welcome address online (May 25th 8:45-8:50 CEST, UTC+2): Stefano Rolfo and Daniele Marchisio												
Invited Lecture 1 (May 25th 9:00-10:00 CEST, UTC+2, Room Nebbiolo): Prof R. Verzicco "A MULTI-PHYSICS COMPUTATIONAL MODEL FOR THE HUMAN HEART" (Chair David R. Emerson)												
Invited Lecture 2 (May 25th 10:00-11:00 CEST, UTC+2, Room Nebbiolo): Prof C. Noakes "THE COMPLEXITY OF MODELLING AIRBONE INFECTION RISKS" (Chair Daniele Marchisio)												
Coffee Break (May 25th 11:00-11:30 CEST, UTC+2)												
Parallel Session 1: May 25th 11:30-12:50 (Time zone: CEST, UTC+2)												
Room Nebbiolo								**Room Dolcetto**				
PS1.1	Chair: F. Xavier Trias			MS2 Part 1: HPC Algorithms for Exascale CFD				PS1.3	Chair: Amirul Khan			MS4 Part 1: LBM for HPC	
Paper	Speaker			Title	Time			Paper	Speaker			Title	Time
16	Herbert	Owen	In-Person	WIND ENERGY SIMULATIONS WITH ALYA TOWARDS EXASCALE	11:30			13	Anna	Wellmann	In-Person	COMMUNICATION HIDING FOR MULTIGPU-LBM ON REFINED GRIDS	11:30
59	Stefano	Zaghi	Virtual	EFFICIENT GPU PARALLELIZATION OF ADAPTIVE MESH REFINEMENT TECHNIQUE FOR HIGH-ORDER COMPRESSIBLE SOLVER WITH IMMERSED BOUNDARY	11:50			87	Ouadie	El Farouki	Virtual	PERFORMANCE PORTABILITY THROUGH SYCL: APPLICATION LBM SOLVERS FOR AERODYNAMICS	11:50
81	Sangeeth	Simon	In-Person	A TASK-BASED PARALLELIZATION OF A FINITE VOLUME CODE FOR HYPERBOLIC CONSERVATION LAWS	12:10			108	Michael	Rennick	Virtual	SIMULATING A BIOINSPIRED LIQUID DIODE USING A MULTICOMPONENT LATTICE BOLTZMANN MODEL	12:10
103	Adel	Alsalti-Balde	In-Person	STRATEGIES TO INCREASE THE ARITHMETIC INTENSITY OF THE LINEAR SOLVERS	12:30			113	Minh-Tuan	ho	Virtual	A HIGH PERFORMANCE SOLVER FOR RAREFIED GAS FLOWS IN POROUS MEDIA	12:30
Room Barbera								**Room Arneis**					
PS1.2	Chair: Guillaume Houzeaux			MS1 Part 1: AI and HPC for CFD				PS1.4	Chair: Francesco Larocca			Combustion 1	
Paper	Speaker			Title	Time			Paper	Speaker			Title	Time
20	Ali Girayhan	Ozbay	In-Person	DEEP LEARNING FLOW RECONSTRUCTION AROUND ARBITRARY 2D OBJECTS FROM SPARSE SENSORS.	11:30			26	Daniel	Costero	Virtual	NOVEL DEVELOPMENTS FOR RAPID REACTIVE CFD SIMULATIONS OF DUAL-FUEL IC ENGINES	11:30
24	Weishuo	Liu	Virtual	A APPLICATION PROGRAMMING INTERFACE FOR MACHINE-LEARNING ASSISTED FLUIDS SIMULATION	11:50			27	Federico	Ghioldi	In-Person	GPU-ACCELERATED SIMULATION OF SUPERSONIC COMBUSTION IN SCRAMJET ENGINES BY OPENFOAM	11:50
36	Mathis	Bode	Virtual	ACCELERATION OF COMPLEX HIGH-PERFORMANCE COMPUTING ENSEMBLE SIMULATIONS WITH SUPER-RESOLUTION-BASED SUBFILTER MODELS	12:10			34	Han	Peng	In-Person	A THREE-DIMENSIONAL SOLVER FOR SIMULATING REACTIVE FLOW ON CURVILINEAR PARALLEL ADAPTIVE MESHES	12:10
54	Sarath	Radhakrishnan	In-Person	DATA-DRIVEN WALL MODELING FOR LARGE EDDY SIMULATION OF NON-EQUILIBRIUM FLOWS: PRELIMINARY STUDIES	12:30			96	Muhammad	Omair	Virtual	ENHANCED THERMOPHYSICAL MODELS FOR SIMULATING COMBUSTION AT SUPERCRITICAL PRESSURES USING OPENFOAM	12:30
Lunch (May 25th 12:50-14:10 CEST, UTC+2)													

Invited Lecture 3 (May 25th 14:10-15:10 CEST, UTC+2): E. Floros "EUROHPC AND THE FUTURE OF EXASCALE COMPUTING IN THE EU" (Chair Giorgio Amati)													
Parallel Session 2: May 25th 15:10-16:10 (Time zone: CEST, UTC+2)													
Room Nebbiolo								**Room Dolcetto**					
PS2.1	Chair: David Emerson			HPC and Aerodynamics 1			PS2.3	Chair: Gianluca Boccardo			Particle Methods for HPC 1		
Paper	Speaker			Title	Time		Paper	Speaker			Title	Time	
2	Ramesh	Agarwal	Virtual	EVALUATION OF VARIOUS TURBULENCE MODELS FOR RANS SIMULATION OF SEPARATED FLOW IN WING-BODY JUNCTURE	15:10		38	Graziano	Frungieri	Virtual	FRAGMENTATION AND STRESS STATISTICS OF INERTIAL PARTICLES IN HOMOGENEOUS ISOTROPIC TURBULENCE	15:10	
78	Maria Vittoria	Salvetti	In-Person	THE IMPORTANCE OF UPSTREAM-CORNER SHARPNESS IN LES OF THE FLOW AROUND RECTANGULAR CYLINDERS OF DIFFERENT ASPECT RATIOS	15:30		68	Chrysovalantis	Tsigginos	In-Person	LUAMMAPS: A CONCURRENT COUPLING FRAMEWORK FOR DIRECT MODELING OF FLUID-PARTICLE SYSTEMS	15:30	
82	Neil	Ashton	In-Person	DEMONSTRATION OF CLOUD-BASED HPC FOR HYBRID RANS-LES SIMULATIONS OF THE DRIVAER AUTOMOTIVE MODEL AND THE NASA HIGH-LIFT COMMON RESEARCH MODEL	15:50		69	Vahid	Jafari	In-Person	A STEP TOWARD PARALLEL COMPUTING FOR SUPER/HYPERSONIC FLOW USING A COUPLED DSMC/CFD METHOD	15:50	
Room Barbera							**Room Arneis**						
PS2.2	Chair: Davide Modesti			MS5 Part 1: Hypersonic flows			PS2.4	Chair: Roberto Verzicco			Heat Transfer 1		
Paper	Speaker			Title	Time		Paper	Speaker			Title	Time	
21	Jian	Fang	In-Person	DIRECT NUMERICAL SIMULATION OF HYPERSONIC SHOCK-WAVE/TURBULENT BOUNDARY LAYER INTERACTION AT MACH 5	15:10		11	Luca	Banetta	In-Person	IMPACT OF TURBULENCE MODELING ON FLUID/SOLID HEAT TRANSFER INSIDE INDUSTRIAL AUTOCLAVES.	00:00	
46	Luca	Placco	In-Person	AERODYNAMIC INVESTIGATION OF THE UNSTEADY SUPERSONIC FLOW OF A MARS ENTRY CAPSULE USING LARGE EDDY SIMULATION	15:30		12	Emanuele	Gallorini	In-Person	A CONTINUOUS ADJOINT METHOD FOR THE MULTI-OBJECTIVE OPTIMIZATION OF COUPLED FLUID-THERMAL PROBLEMS IN OPENFOAM	15:30	
56	Pushpender Kumar	Sharma	In-Person	TRANSPIRATION COOLING OF HYPERSONIC FLOW PAST A FLAT PLATE WITH POROUS INJECTION	15:50		106	Niyazi	Senol	Virtual	A MORE ROBUST SCHEME FOR TOPOLOGY OPTIMIZATION OF THERMAL-FLUID PROBLEMS IN OPENFOAM	15:50	
Coffee Break (May 25th 16:10-16:40 CEST, UTC+2)													

Parallel Session 3: May 25th 16:40-18:00 (Time zone: CEST, UTC+2)													
Room Nebbiolo							**Room Dolcetto**						
PS3.1	Chair: Marco Vanni			Multiphase Flows			PS3.3	Chair: Andreas Linterman			MS1 Part 2: AI and HPC for CFD	
Paper	Speaker			Title	Time		Paper	Speaker			Title	Time
6	Darsh	Nathawani	Virtual	DROPLET FORMATION SIMULATIONS USING A MIXED FINITE ELEMENT METHOD	16:40		5	Michele	Buzzicotti	In-Person	INFERRING TURBULENT PARAMETERS VIA MACHINE LEARNING	16:40
14	Simon	Santoso	In-Person	A PARALLEL PARTICLE-GRID METHOD FOR THE STUDY OF DIFFERENTIAL DIFFUSION IN TURBULENT FLOWS	17:00		35	Agnese	Marcato	In-Person	STRUCTURE INTERPRETATION VIA NEURAL NETWORKS: AN APPLICATION TO FLOW AND TRANSPORT IN POROUS MEDIA	17:00
18	Manjil	Ray	In-Person	CFD SIMULATION OF BUBBLE COALESCENCE AND ITS EFFECT ON CURRENT DENSITY AND GAS PRODCUTION IN ELECTROLYSERS	17:20		67	Daniel	Hilger	Virtual	PARAMETERIZED PHYSICS-INFORMED NEURAL NETWORKS AS SURROGATE MODEL IN SHAPE OPTIMIZATION	17:20
115	Shahbozbek	Abdunabiev	In-Person	MICROPHYSICAL TIME SCALES AT A WARM CLOUD TOP BOUNDARY	17:40		70	Xinfeng	Gao	Virtual	INTEGRATION OF CFD AND DATA ASSIMILATION WITH DEEP LEARNING FOR IMPROVING MODEL-PARAMETER ESTIMATION	17:40
Room Barbera							**Room Arneis**						
PS3.2	Chair: Rupak Biswas			HPC and Multiphysics 1			PS3.4	Chair: Elisabetta De Angelis			Particle Methods for HPC 1	
Paper	Speaker			Title	Session		Paper	Speaker			Title	Session
4	Juan Carlos	Cajas Garcia	In-Person	ASPECT RATIO INFLUENCE ON THE VORTEX INDUCED VIBRATIONS OF A PIVOTED FINITE HEIGHT CYLINDER AT LOW REYNOLDS NUMBER.	16:40		22	Radouan	Boukharfane	Virtual	AN EFFICIENT PARALLEL SOLVER FOR LES-DEM SIMULATION OF FLUIDIZED BED	16:40
76	Stephen	Longshaw	In-Person	GENERAL CODE COUPLING FOR FLUID DYNAMICS AT THE EXASCALE: A COMPARATIVE OVERVIEW	17:00		29	Antoine	Stock	In-Person	DIFFUSION BASED LOAD-BALANCING METHOD FOR MASSIVELY PARALLEL EULER-LAGRANGE SIMULATIONS ON UNSTRUCTURED MESHES (DOB-EL)	17:00
107	Mohsen	Shiea	In-Person	CFD-PBM SIMULATION OF NICKEL-MANGANESE-COBALT HYDROXIDE CO-PRECIPITATION in CSTR	17:20		80	Miguel	Uh Zapata	In-Person	TWO-PHASE FLOW PARALLEL SIMULATIONS FOR SEDIMENT RELEASES INTO HOMOGENEOUS WATER	17:20
118	Gabriele	Ottino	In-Person	COUPLING 0D/1D-3D NUMERICAL APPROACHES: A FMI STANDARD-BASED CO-SIMULATION STRATEGY FOR MONITORING INDOOR AIR QUALITY	17:40							

Invited Lecture 4 (May 26th 8:30-9:30 CEST, UTC+2): Prof K. Fukagata "APPLICATIONS OF CONVOLUTIONAL NEURAL NETWORK AUTOENCODER FOR FLUID FLOW ANALYSIS" (Chair Maria Vittoria Salvetti)													
Parallel Session 4: May 26th 9:30-10:30 (Time zone: CEST, UTC+2)													
Room Nebbiolo							**Room Dolcetto**						
PS4.1	Chair: Jianping Meng			MS4 Part 2: LBM for HPC			PS4.3	Chair: Aimee Morgans			Flow Controls		
Paper	Speaker			Title	Time		Paper	Speaker			Title	Time	
42	Hijiri	Adachi	Virtual	A COMPARATIVE STUDY OF VIRTUAL FLUX METHOD AND IMMERSED BOUNDARY METHOD FOR INTTERFACE EVALUATION BY LATTICE BOLTZMANN METHOD	09:30		1	Haroon	Ahmad	Virtual	TURBULENT DRAG REDUCTION USING TRAVELLING WAVES OF WALL-NORMAL VELOCITY	09:30	
49	Tomohiro	Fukui	Virtual	PARTICLE SUSPENSION FLOW SIMULATIONS IN A NARROW CHANNEL BY PARALLEL COMPUTING	09:50		74	Nick	Janssens	In-Person	A PARALLEL-IN-TIME MULTIPLE SHOOTING ALGORITHM FOR OPTIMAL CONTROL PROBLEMS GOVERNED BY THE 3D NAVIER-STOKES EQUATIONS	09:50	
50	Mikael	Grondeau	In-Person	AN ADAPTIVE PARALLEL LBM SOLVER FOR HIGH-RESOLUTION AERODYNAMICS AND AEROACOUSTIC	10:10		117	Dania	Ahmed	In-Person	FEEDBACK CONTROL OF THE BI-MODAL FLOW BEHIND A BLUNT BLUFF BODY	10:10	
Room Barbera							**Room Arneis**						
PS4.2	Chair: Maria Vittoria Salvetti			UQ and CFD			PS4.4	Chair: Jian Fang			MS5 Part 2: Hypersonic flows		
Paper	Speaker			Title	Time		Paper	Speaker			Title	Time	
60	Deniz	Acar	Virtual	SPEEDUP OF CFD SOLVERS USING DEEP LEARNING BASED INITIAL CONDITIONING	09:30		19	Mario	Di Renzo	In-Person	WALL-PRESSURE SPECTRA IN SHOCK WAVE/TURBULENT BOUNDARY LAYER INTERACTIONS WITH A CROSSFLOW	09:30	
63	Alessandro	Mariotti	In-Person	NUMERICAL SIMULATIONS AND UNCERTAINTY QUANTIFICATION TO INVESTIGATE AORTA COARTACTIONS	09:50		55	Chay	Atkins	Virtual	A TWO-DIMENSIONAL PARALLEL STRAND/CAMR SOLVER FOR HYPERSONIC FLOW SIMULATIONS	09:50	
65	Jun	Chen	Virtual	DEVELOPING A 2d PARALLEL SOLVER FOR FLEXIBLE COMBINATIONS OF MANY REMESHING METHODS	10:10		102	Luis	Laguarda	In-Person	REYNOLDS NUMBER EFFECTS IN SHOCK-WAVE/TURBULENT BOUNDARY-LAYER INTERACTIONS	10:10	
Coffee Break (May 26th 10:30-11:00 CEST, UTC+2)													

Parallel Session 5: May 26th 11:00-12:40 (Time zone: CEST, UTC+2)														
Room Nebbiolo							**Room Dolcetto**							
PS5.1	Chair: Mario Di Renzo			MS5 Part 3: Hypersonic flows			PS5.3	Chair: Giorgio Amati			MS3: HPC Solutions	
Paper	Speaker			Title	Time		Paper	Speaker			Title	Time
25	Giacomo	Della Posta	In-Person	HIGH-FIDELITY SIMULATION OF THE AEROACOUSTICS AT LIFT-OFF OF A SPACE LAUNCHER	11:00		7	Fabrizio	Magugliani	In-Person	HETEROGENEOUS WORKFLOWS FOR EXASCALE-CLASS CFD	11:00
31	Michele	Cogo	In-Person	DNS OF SUPERSONIC AND HYPERSONIC TURBULENT BOUNDARY LAYERS AT MODERATE-HIGH REYNOLDS NUMBERS WITH HEAT TRANSFER	11:20		62	Mathieu	Gontier	In-Person	AMDS JOURNEY TO EXASCALE FOR CFD APPLICATIONS	11:20
45	Davide	Modesti	In-Person	DIRECT NUMERICAL SIMULATION OF SUPERSONIC TURBULENT FLOWS OVER DISTRIBUTED STRUCTURED ROUGHNESS	11:40		93	Simone	Bna	Virtual	IN-SITU VISUALIZATION FOR HIGH-FIDELITY CFD - CASE STUDIES	11:40
64	Raynold	Tan	Virtual	DNS OF COMPRESSIBLE FLOW OVER ROUGH SURFACES WITH AN ADAPTIVE WENO/CD SCHEME	12:00		98	Jakub	Sistek	In-Person	GPU ACCELERATION OF A PARALLEL DOMAIN DECOMPOSITION SOLVER	12:00
							99	Alex	Grant	In-Person	DEVELOPING A C++ BLOCK-STRUCTURED AMR MULTIPHYSICS CFD FRAMEWORK USING AMREX	12:20
Room Barbera							**Room Arneis**							
PS5.2	Chair: Xavier Álvarez-Farré			MS2 Part 2: HPC Algorithms for Exascale CFD			PS5.4	Chair: Sylvain Laizet			MS6: Finite Difference for HPC	
Paper	Speaker			Title	Time		Paper	Speaker			Title	Time
52	Wendi	Liu	Virtual	A FLUID-STRUCTURE INTERACTION PARTITIONED FRAMEWORK TARGETTING PRE-EXASCALE	11:00		37	Jian	Fang	In-Person	A COMPACT LOW-DISSIPATION MONOTONICITY-PRESERVING SCHEME FOR SIMULATIONS OF COMPRESSIBLE FLOW	11:00
90	Guillaume	Houzeaux	In-Person	SURFACE AND VOLUME COUPLINGS FOR CONJUGATE HEAT TRANSFER PROBLEMS	11:20		39	Andrew	Wheeler	In-Person	HIGH FIDELITY SIMULATION OF DENSE VAPOUR FLOWS	11:20
95	Harshavardhana	Uranakara	In-Person	MATRIX-BASED FORMULATION OF CHEMICAL KINETICS FOR ACCELERATING REACTING FLOW SIMULATIONS ON MANY-CORE GPU HARDWARE	11:40		40	Tian	Liang	Virtual	A FIFTH-ORDER VERY-LOW-DISSIPATION TENO SCHEME FOR HYPERBOLIC CONSERVATION LAWS	11:40
100	Xavier	Allvarez-Farre	In-Person	ON THE BENEFITS AND APPLICATIONS OF SPARSE MATRIX-MATRIX PRODUCT ON VARIOUS PARALLEL ARCHITECTURES	12:00		83	Peter	Brearley	In-Person	TURBULENT STRATIFIED MIXTURE COMBUSTION WITH NUMERICALLY FORCED BIMODAL MIXTURE INHOMOGENEITY	12:20
105	F.Xavier	Trias	In-Person	DNS/LES USING A MINIMAL SET OF ALGEBRAIC KERNELS: CHALLENGES AND OPPORTUNITIES	12:20							
Lunch (May 26th 12:40-14:00 CEST, UTC+2)												

Invited Lecture 5 (May 26th 14:00-15:00 CEST, UTC+2): Prof A. S. Morgans "DANCING FLAMES AND THERMOACOUSTIC INSTABILITY" (Chair Hasan U Akay)

Parallel Session 6: May 26th 15:00-16:20 (Time zone: CEST, UTC+2)

Room Nebbiolo

PS6.1	Chair: Sylvain Laizet			Numerical Methods for HPC	
Paper	Speaker			Title	Time
30	Liu	Yang	Virtual	A PYTHON-BASED UNSTRUCTURED FINITE VOLUME FRAMEWORK FOR TURBULENT FLOW SIMULATIONS WITH GENERATED GPU KERNELS	15:00
84	Pedro	Costa	In-Person	A FAST MULTI-BLOCK NAVIER-STOKES SOLVER	15:20
91	Ali	Karakus	Virtual	A GPU ACCELERATED NODAL DISCONTINUOUS GALERKIN SOLVER FOR THE SOLUTION OF LATTICE-BOLTZMANN EQUATIONS ON UNSTRUCTURED MESHES	15:40
120	Ram	Cherukuri	Virtual	ACCELERATING CFD SIMULATIONS WITH PHYSICS-ML MODELS USING MODULUS	16:00

Room Barbera

PS6.2	Chair: Guillaume Houzeaux			MS1 Part 3: AI and HPC for CFD	
Paper	Speaker			Title	Time
8	Rakesh	Sarma	In-Person	PARALLEL AND SCALABLE DEEP LEARNING TO RECONSTRUCT ACTUATED TURBULENT BOUNDARY LAYER FLOWS. PART I: INVESTIGATION OF AUTOENCODER-BASED	15:00
10	Eray	Inanc	Virtual	PARALLEL AND SCALABLE DEEP LEARNING TO RECONSTRUCT ACTUATED TURBULENT BOUNDARY LAYER FLOWS. PART II: AUTOENCODER TRAINING ON HPC	15:20
48	Davide	Oberto	In-Person	A DATA-DRIVEN APPROACH TO CLOSE AND INCREASE ACCURACY OF RANS EQUATIONS BY MODELLING THE DIVERGENCE OF THE REYNOLDS STRESS TENSOR	15:40
104	Reza	Hassanian	Virtual	LAGRANGIAN PARTICLE TRACKING DATA OF A STRAINING TURBULENT FLOW ASSESSED USING MACHINE LEARNING AND PARALLEL COMPUTING	16:00

Room Dolcetto

PS6.3	Chair: Neil Ashton			HPC and Aerodynamics 2	
Paper	Speaker			Title	Time
23	Ruggero	Poletto	Virtual	OPTIMISATION OF A FAN IMPELLER THROUGH A DESIGN OF EXPERIMENT	15:00
28	Zhao	Qiuying	Virtual	HYBRID RANS/LES SIMULATIONS OF VISCOUS FLOWS INSIDE TURBINE VANES	15:20
61	Nikolaos	Bempedelis	In-Person	UNMANNED AERIAL VEHICLE FLOW DYNAMICS USING A HIGH-FIDELITY LES-ALM-IBM FRAMEWORK	15:40
119	Harriet	Jones	In-Person	MODELLING AIRFLOW AND CARBON DIOXIDE DISPERSION IN DOMESTIC AND OFFICE SETTINGS USING CODE_SATURNE	16:00

Room Arneis

PS6.4	Chair: David Emerson			Combustion 2	
Paper	Speaker			Title	Time
51	Umair	Ahmed	Virtual	PERFORMANCE OF WALL FUNCTIONS IN PREMIXED FLAME-WALL INTERACTION WITHIN TURBULENT BOUNDARY LAYERS	15:00
57	Chiara	Galletti	In-Person	NUMERICAL SIMULATIONS OF INTERACTING FLAMES ISSUING FROM A CYLINDRICAL PERFORATED BURNER	15:20
79	Rachele	Lamioni	In-Person	MODELING FLASHBACK OF H2-ENRICHED FLAMES IN PERFORATED BURNERS	15:40
116	Nicholas	Abel	In-Person	DISTRIBUTED TABULATION OF FLAMELET LOOKUP TABLES	16:00

Coffee Break (May 26th 16:20-17:15 CEST, UTC+2)

Evening Lecture @ Fontanafredda (May 26th 18:00-19:00 CEST, UTC+2): Dr. R. Biswas "HERDING SCHRÖDINGER'S CATS: A NASA PERSPECTIVE OF QUANTUM COMPUTING" (Chairs David Emerson and Daniele Marchisio)

Parallel Session 7: May 27th 9:30-10:50 (Time zone: CEST, UTC+2)												
Room Nebbiolo							**Room Dolcetto**					
PS7.1	Chair: Andreas Lintermann			MS1 Part 4: AI and HPC for CFD			PS7.3	Chair: Pedro Costa			Aerodynamics and Optimisation	
Paper	Speaker			Title	Time		Paper	Speaker			Title	Time
9	Kazuto	Ando	Virtual	IMPROVEMENT OF REDUCTION PERFORMANCE OF MODE DECOMPOSITION FOR 3-DIMENSIONAL FLOW FILED USING FUGAKU	09:30		53	Andrea	Zappatore	In-Person	VALIDATION OF RANS, DES, AND LES MODELS OF AN ISOTHERMAL SINGLE JET USING STAR-CCM+	09:30
32	Anass	Serhani	In-Person	HIGH-PERFORMANCE HYBRID COUPLING OF A CFD SOLVER TO DEEP NEURAL NETWORKS	09:50		73	Kaan	Yutuk	Virtual	ADJOINT-BASED AERODYNAMIC OPTIMIZATION OF A STRAKE-DELTA WING CONFIGURATION	09:50
47	Laurent	Andre	Virtual	GENERATIVE ADVERSARIAL NETWORKS WITH LATTICE-BOLTZMANN LOSSES FOR THE PREDICTION OF UNSTEADY FLOWS	10:10		77	Etienne	Muller	In-Person	A MASSIVELY-PARALLEL IMPLEMENTATION OF THE ACTUATOR LINE METHOD FOR HIGH-FIDELITY LARGE EDDY SIMULATION	10:10
85	Lianfa	Wang	In-Person	IMPROVING CONFIDENCE ON CFD BY DEEP LEARNING	10:30		101	Andrea	Perrone	In-Person	MACHINE LEARNING ALGORITHMS FOR ROTOR37 AERODYNAMIC OPTIMIZATION	10:30
Room Barbera							**Room Arneis**					
PS7.2	Chair: Antonio Buffo			Heat Transfer 2			PS7.4	Chair: Gianluca Boccardo			Multiphysics 2	
Paper	Speaker			Title	Time		Paper	Speaker			Title	Time
86	Shiu-Wu	Chau	Virtual	UNSTEADY MODELING OF THREE-DIMENSIONAL FLOW OF DIRECT CURRENT PLASMA TORCH OPERATING WITH AIR	09:30		3	Massimo	Germano	In-Person	MIXED AVERAGING PROCEDURES	09:30
88	Gregory	Cartland-Glover	In-Person	MODELLING MASS AND CONJUGATE HEAT TRANSFER IN TARGET STATION 2 OF THE ISIS MUON AND NEUTRON SOURCE	09:50		33	Omar	Mahfoze	In-Person	SCALABILITY STUDY OF THE PARALLEL PARTITIONED MULTI-PHYSICS SIMULATION FRAMEWORK	09:50
89	Wei	Wang	In-Person	NUMERICAL SIMULATION OF THERMAL MIXING OF LIQUID SODIUM IN A Y-JUNCTION	10:10		44	Misa	Kawaguchi	Virtual	COMPUTATIONAL AIRFLOW SIMULATION TO ASSESS AIRWAY RESISTANCE BY CONSIDERING BIFURCATION GEOMETRY	10:10
114	Enrico	Agostini	In-Person	MODELING SOLID FOAMS: GEOMETRY GENERATION AND MOMENTUM AND MASS TRANSPORT CFD SIMULATIONS	10:30		58	Issei	Fukamizu	Virtual	PREDICTION OF TURBINE BLADE CONDITION USING SUPERVISED MACHINE LEARNING TRAINED BY DIGITAL-TWIN SIMULATION	10:30
Coffee Break (May 27th 10:50-11:20 CEST, UTC+2)												
Invited Lecture 7 (May 27th 11:20-12:20 CEST, UTC+2): Prof. E. De Angelis "SIMULATION OF NON-NEWTONIAN TURBULENCE" (Chairs Massimo Germano and Stefano Rolfo)												