		17.10.23			18.10.23			19.10.23	
	Room 2	Room3	Auditorium B	Room 2	Room3	Auditorium B	Room 2	Room3	Auditorium B
08:00 08	:30	Registration							
08:30 - 09	:00	Registration							
	:15 Welcome and	l introduction (M. Fossati, k	Kontis I M Viola)						
	:30				Plenary 03 - T. Magin			Plenary 05 - E. Lauga	
09:30 - 09	:45								
09:45 - 10	:00	Plenary 01 - E. Johnstone/R.	Doran	ACS-001	HTP-001	CFD-021	GAG-001	FIT-017	SSD-001
	:15			ACS-002	HTP-002	CFD-022	GAG-003	FIT-018	SSD-003
10:15 - 10	:30 Poster Setup	AER-002	CFD-001	ACS-003	HTP-003	CFD-023	GAG-004	FIT-019	SSD-004
	:45	AER-003	CFD-002	ACS-005	HTP-004	CFD-024	GAG-005	FIT-020	SSD-005
	:15	Coffee Break			Coffee Break			Coffee Break	
11:15 - 11	:30 BFD-001	AER-004	CFD-003	CFL-007	FIT-001	CFD-025	GAG-006	FIT-022	SSD-006
11:30 - 11	:45 BFD-002	AER-005	CFD-004	CFL-008	FIT-002	CFD-026	GAG-007	FIT-023	SSD-007
11:45 - 12	:00 BFD-003	AER-006	CFD-005	CFL-009	FIT-003	CFD-027	GAG-008	FIT-024	SSD-008
12:00 - 12	:15 BFD-004	AER-007	CFD-006	CFL-010	FIT-004	CFD-028	GAG-009	FIT-025	SSD-009
12:15 - 12	:30 BFD-005	AER-008	CFD-007	CFL-011	FIT-005	CFD-029	GAG-010	FIT-026	SSD-010
12:30 - 13	:30	Lunch			Lunch			Lunch	
13:30 - 14	:15	Plenary 02 - S. Shahpa	r		Plenary 04 - P. Angeli			Plenary 06 - A. Clarke	
14:15 - 14	:30 BFD-006	AER-009	CFD-008	CFL-012	FIT-006	CFD-030		FIT-027	SSD-011
14:30 - 14	:45 BFD-007	AER-010	CFD-009	CFL-013	FIT-007	CFD-031		FIT-028	SSD-012
14:45 - 15	:00 BFD-008	AER-011	CFD-010	CFL-014	FIT-008	CFD-032	Posters	FIT-029	SSD-013
15:00 - 15	:15 BFD-009	AER-012	CFD-011	CFL-015	FIT-009	CFD-033		FIT-030	SSD-014
15:15 - 15	:30 BFD-012	AER-013	CFD-012	CFL-016	FIT-011	CFD-034		FIT-031	SSD-016
15:30 - 16	:00	Coffee Break			Coffee Break			Coffee Break	
16:00 - 16	:15 CFL-001	AER-014	CFD-013	CSF-001	FIT-012	CFD-035	GAG-015	FIT-032	SSD-017
16:15 - 16	:30 CFL-002	AER-015	CFD-014	CSF-002	FIT-013	CFD-036	GAG-016	FIT-033	SSD-018
16:30 - 16	:45 CFL-003	AER-016	CFD-015	CSF-003	FIT-014	CFD-037	GAG-018	FIT-034	SSD-019
16:45 - 17	:00 CFL-004	AER-017	CFD-016	CSF-005	FIT-015	CFD-038	GAG-019	FIT-035	SSD-020
	:15 CFL-005	AER-018	CFD-017	CSF-006	FIT-016	CFD-039	GAG-020	FIT-036	
17:15 - 17	:30 CFL-006	AER-019	CFD-019			CFD-040	CL	osing remarks and farev	ıell
17:45 - 18	:00						Ch	osing remarks and jurev	
18:00 18	:30	Civic reception							
19:00 -					Conference Dinner				

ACS - Acoustics	FIT - Fluid dynamic instabilities and turbulence
AER - Aerodynamics	GAG - Geophysical and Astrophysical flows
BFD - Biological Fluid Dynamics	HTP - Heat Transfer and Thermal Processes
CFD - Computational Fluid Dynamics	PLN - Plenary Talks
CSF - Compressible and Supersonic Flows	PST - Poster Presentation
CFL - Complex Fluids	SSD - Smart Surfaces and Droplets

PLN-01a	E. Johnstone	The use of asymptotic methods in boundary-layer and interfacial phenomena
PLN-01b	R. Doran	Rotation, vortex dynamics and disorder in non-equilibrium Bose gases
PLN-02	A. Clarke	Sedimenting-Particle Redistribution in a Horizontal Couette
PLN-03	T. Magin	Modeling and numerical simulation of plasma flows for hypersonic applications
PLN-04 PLN-05	P. Angeli E. Lauga	Drop coalescence phenomena and the effects of surfactants Active Biological Flows
PLN-05 PLN-06	S. Shahapar	Active biological riters
ACS-001	E. Ekici	Adjoint Based Shape Optimization for Thermoacoustic Stability of Combustors using NURBS
ACS-001	E.J.G. Arcondoulis	Modelling high-frequency noise generated by structured porous coated cylinders subject to uniform flow
ACS-003	E.J.G. Arcondoulis	Near-wake and internal flow fields of a blunt structured porous trailing edge via tomographic PIV
ACS-005	J. Zheng	Data assimilation in Thermoacoustics
AER-002	A. Lang	Flow Characteristics of a Hyperloop System
AER-003	B. Irwin	Cyclorotor aerodynamics for advanced aerial mobility
AER-004	B. Thornber	Immersed Boundary Method-Actuator Surface Model Solver for Wind Farm Detached-Eddy Simulations
AER-005	B. Jones	Aerodynamic analysis of conceptual ultra high aspect ratio strut braced wing aircraft with distributed hybrid electric propulsion configurations
AER-006	C. Bose	Effect of avian-feather-inspired flexible flaps on the aerodynamic characteristics of low Reynolds number airfoils
AER-007	C. Jane-Ippel	Bayesian optimisation of a two-turbine layout around a 2D hill using Large Eddy Simulations
AER-008	D.J. Pickles	The Vortex Ring State Of Quadcopters
AER-009 AER-010	D. Zagaglia	Experimental Investigation into the Stall Boundary of Tilt-Rotor Blades
AER-010	D. Huang Y. Chen	Aerodynamics of porous disks at an incidence Aerodynamic Analysis of Morphing Aerofoils via Computational Fluid Dynamics and Structural Modelling
AER-011	F Jiang	Impact of the front and aft extensions length of the suction-type S-duct on the inside flow physics
AER-013	F. Gori	Wake steering for wind farm power maximisation: a Gaussian Process-based yaw-dependent parameter tuning approach
AER-014	H.D. Lim	Scalar dispersion in indoor spaces
AER-015	N. Copsey	Assessing the hydrodynamic loads on a swimmers arm
AER-016	O. Bidar	Machine learning enhancement of turbulence models for aerodynamic shape optimisation
AER-017	P. Nagy	A comparative sensitivity study of the aerodynamics of high aspect ratio strut-braced and cantilever wing configurations
AER-018	V. Shah	Experimental investigation on the directional and longitudinal stability and control authority of V-tails
AER-019	W. Preamsakul	The influence of two- and three-dimensional sinusoidal roughness on the aerodynamic characteristics of a wind turbine blade
BFD-001	A. Herale	A minimal continuum model of clogging in spatio-temporally varying channels COVID-19 transmission risks associated with environmental contamination in workplace and public toilets
BFD-002 BFD-003	C. Higham M. Dvoriashyna	COVID-19 transmission risks associated with environmental contamination in workplace and public toilets Oscillatory Flow of Cranial Cerebrospinal Fluid
BFD-003 BFD-004	E.P.F. Barton	In-vitro anatomical comparison of healthy and treated aortic branches
BFD-005	E. Butler	An investigation of the fluid structure interaction in articular cartilage across disparate scales
BFD-006	F. Shone	Deep Physics-informed Super-resolution of 4D-flow MRI Data in the Left Ventricle
BFD-007	G.R. McNicol	Non-modal growth in a collapsible channel flow with a heavy wall
BFD-008	J.Y. Frank	CFD Modelling of Covid-19 transmission in public transport in developing countries
BFD-009	J.A Lowe	An In-Vitro Study on Non-Newtonian Blood Modelling and its effect on Arterial Haemodynamics in the Carotid Bifurcation
BFD-012	R. Mcnair	Confinement-induced drift and optimal Marangoni-driven transport of surfactant: a Lagrangian perspective
CFD-001		a Hydrodynamic modelling of very large hinged floating structures with elasticity considerations
CFD-002 CFD-003	A. Alghamdi A. Gaur	Direct Numerical Simulation of Linear Shear Flow Past a Spherical and Cube-shaped Particle Near a Wall Hydrodynamics and setting velocities of single and dual microplastic particle systems in a quiescent fluid using Direct Numerical Simulations
CFD-003 CFD-004	A. Kamal	A coupled CFD-DSMC approach for modelling low-speed rarefied gas flows in confinement
CFD-004	B. Santhosh	Vibrationally-driven solid particle attractors in on-uniformly heated systems
CFD-006	B. Chen	Efficient Finite Element Solution Methods formed from Artificial Neural Networks for Solving Complex Fluid Dynamics Problems
CFD-007	F. Ruano-Neto	Numerical verification of sharp corner behavior for Giesekus and Phan-Thien–Tanner fluids
CFD-008		
	H. Fatahian	CFD modeling and body cone shape optimization of a square gas cyclone separator for dispersed particle removal
CFD-010	E. Oran	Design and Optimisation of an Intra-Aortic Axial Pump for Heart Assist
CFD-010 CFD-011	E. Oran F. Mirghaderi	Design and Optimisation of an Intra-Aortic Axial Pump for Heart Assist Effect of channel geometry on particle migration in inertial particle microfluidics
CFD-010 CFD-011 CFD-012	E. Oran F. Mirghaderi G. Huang	Design and Optimisation of an Intra-Aortic Axial Pump for Heart Assist Effect of channel geometry on particle migration in inertial particle microfluidics Numerical modelling for the steady solution of Navier-Stokes equations using orthogonal decompositions
CFD-010 CFD-011 CFD-012 CFD-013	E. Oran F. Mirghaderi G. Huang H. Fadhila	Design and Optimisation of an Intra-Aortic Axial Pump for Heart Assist Effect of channel geometry on particle migration in inertial particle microfluidics Numerical modelling for the steady solution of Navier-Stokes equations using orthogonal decompositions DNS of microflow in a reverse osmosis membrane channel
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CFD-010 CFD-011 CFD-012 CFD-013 CFD-014	E. Oran F. Mirghaderi G. Huang H. Fadhila I.F. Latimer	Design and Optimisation of an Intra-Aortic Axial Pump for Heart Assist Effect of channel geometry on particle migration in inertial particle microfluidics Numerical modelling for the steady solution of Navier-Stokes equations using orthogonal decompositions DNS of microflow in a reverse osmosis membrane channel Towards modelling gas migration through particle suspensions: LBM-DEM-FSLBM
CFD-010 CFD-011 CFD-012 CFD-013 CFD-014 CFD-015 CFD-016 CFD-017	E. Oran F. Mirghaderi G. Huang H. Fadhila I.F. Latimer I. Mohammed	Design and Optimisation of an Intra-Aortic Axial Pump for Heart Assist Effect of channel geometry on particle migration in inertial particle microfluidics Numerical modelling for the steady solution of Navier-Stokes equations using orthogonal decompositions DNS of microflow in a reverse osmosis membrane channel Towards modelling gas migration through particle suspensions: LBM-DEM-FSLBM Influence of Elbow Orientation and Particle Size Distribution on Erosion Characteristics in Dilute Gas-Solid Flow System Nonspherical Particle Interactions in Turbulence Polymer Melt Flow Through a Screen Changer Filter
CFD-010 CFD-011 CFD-012 CFD-013 CFD-014 CFD-015 CFD-016 CFD-017 CFD-019	E. Oran F. Mirghaderi G. Huang H. Fadhila I.F. Latimer I. Mohammed J.P. Anderson J.D. Bennett J. Devlin	Design and Optimisation of an Intra-Aortic Axial Pump for Heart Assist Effect of channel geometry on particle migration in inertial particle microfluidics Numerical modelling for the steady solution of Navier-Stokes equations using orthogonal decompositions DNS of microflow in a reverse osmosis membrane channel Towards modelling gas migration through particle suspensions: LBM-DEM-FSLBM Influence of Elbow Orientation and Particle Size Distribution on Erosion Characteristics in Dilute Gas-Solid Flow System Nonspherical Particle Interactions in Turbulence Polymer Melt Flow Through a Screen Changer Filter Direct Flux via Virtual Faces: Conservative interpolation-free overset CFD for OpenFOAM
CFD-010 CFD-011 CFD-012 CFD-013 CFD-014 CFD-014 CFD-015 CFD-016 CFD-017 CFD-019 CFD-021	E. Oran F. Mirghaderi G. Huang H. Fadhila I.F. Latimer I. Mohammed J.P. Anderson J.D. Bennett J. Devlin J. Dees	Design and Optimisation of an Intra-Aortic Axial Pump for Heart Assist Effect of channel geometry on particle migration in inertial particle microfluidics Numerical modelling for the steady solution of Navier-Stokes equations using orthogonal decompositions DNS of microflow in a reverse osmosis membrane channel Towards modelling gas migration through particle suspensions: LBM-DEM-FSLBM Influence of Elbow Orientation and Particle Size Distribution on Erosion Characteristics in Dilute Gas-Solid Flow System Nonspherical Particle Interactions in Turbulence Polymer Melt Flow Through a Screen Changer Filter Direct Flux via Virtual Faces: Conservative interpolation-free overset CFD for OpenFOAM Random quantum networks as an unsupervised PDE solver
CFD-010 CFD-011 CFD-012 CFD-013 CFD-014 CFD-014 CFD-015 CFD-016 CFD-017 CFD-019 CFD-021 CFD-022	E. Oran F. Mirghaderi G. Huang H. Fadhila I.F. Latimer I. Mohammed J.P. Anderson J.D. Bennett J. Devlin J. Deves J.S.J. Davis	Design and Optimisation of an Intra-Aortic Axial Pump for Heart Assist Effect of channel geometry on particle migration in inertial particle microfluidics Numerical modelling for the steady solution of Navier-Stokes equations using orthogonal decompositions DNS of microflow in a reverse osmosis membrane channel Towards modelling gas migration through particle suspensions: LBM-DEM-FSLBM Influence of Elbow Orientation and Particle Size Distribution on Erosion Characteristics in Dilute Gas-Solid Flow System Nonspherical Particle Huractions in Turbulence Polymer Melt Flow Through a Screen Changer Filter Direct Flux via Virtual Faces: Conservative interpolation-free overset CFD for OpenFOAM Random quantum networks as an unsupervised PDE solver Constructing Lagrangians for Dissipative Systems: Application to Hydrodynamics
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CFD-010 CFD-011 CFD-012 CFD-013 CFD-014 CFD-015 CFD-016 CFD-017 CFD-019 CFD-021 CFD-022 CFD-024	E. Oran F. Mirghaderi G. Huang H. Fadhila I.F. Latimer I. Mohammed J.P. Anderson J.D. Bennett J. Devlin J. Dees J.S.J. Davis J. Graham K.K. Maskey	Design and Optimisation of an Intra-Aortic Axial Pump for Heart Assist Effect of channel geometry on particle migration in inertial particle microfluidics Numerical modelling for the steady solution of Navier-Stokes equations using orthogonal decompositions DNS of microflow in a reverse osmosis membrane channel Towards modelling gas migration through particle suspensions: LBM-DEM-FSLBM Influence of Elbow Orientation and Particle Size Distribution on Erosion Characteristics in Dilute Gas-Solid Flow System Nonspherical Particle Interactions in Turbulence Polymer Melt Flow Through a Screen Changer Filter Direct Flux via Virtual Faces: Conservative interpolation-free overset CFD for OpenFOAM Random quantum networks as an unsupervised PDE Solver Constructing Lagrangians for Dissipative Systems: Application to Hydrodynamics A Comparison of Reduced Order Modelling Methods for the Prediction of Destructive Atmospheric Re-entry Aerothermodynamics High Fidelity Simulation of Atmospheric Dispersion
CFD-010 CFD-011 CFD-012 CFD-013 CFD-014 CFD-015 CFD-016 CFD-017 CFD-017 CFD-019 CFD-021 CFD-022 CFD-023	E. Oran F. Mirghaderi G. Huang H. Fadhila I.F. Latimer I. Mohammed J.P. Anderson J.D. Bennett J. Devlin J. Deves J.S.J. Davis J. Graham	Design and Optimisation of an Intra-Aortic Axial Pump for Heart Assist Effect of channel geometry on particle migration in inertial particle microfluidics Numerical modelling for the steady solution of Navier-Stokes equations using orthogonal decompositions DNS of microflow in a reverse osmosis membrane channel Towards modelling gas migration through particle suspensions: LBM-DEM-FSLBM Influence of Elbow Orientation and Particle Size Distribution on Erosion Characteristics in Dilute Gas-Solid Flow System Nonspherical Particle Interactions in Turbulence Polymer Melt Flow Through a Screen Changer Filter Direct Flux via Virtual Faces: Conservative interpolation-free overset CFD for OpenFOAM Random quantum networks as an unsupervised PDE solver Constructing Lagrangians for Disipative Systems: Application to Hydrodynamics A Comparison of Reduced Order Modelling Methods for the Prediction of Destructive Atmospheric Re-entry Aerothermodynamics
CFD-010 CFD-011 CFD-013 CFD-014 CFD-015 CFD-016 CFD-017 CFD-019 CFD-021 CFD-022 CFD-022 CFD-024 CFD-024	E. Oran F. Mirghaderi G. Huang H. Fadhila I.F. Latimer I. Mohammed J.P. Anderson J.D. Bennett J. Devlin J. Devs J.S.J. Davis J. Graham K.K. Maskey K. Georgoulas	Design and Optimisation of an Intra-Aortic Axial Pump for Heart Assist Effect of channel geometry on particle migration in inertial particle microfluidics Numerical modelling for the steady solution of Navier-Stokes equations using orthogonal decompositions DNS of microflow in a reverse osmosis membrane channel Towards modelling gas migration through particle suspensions: LBM-DEM-FSLBM Influence of Elbow Orientation and Particle Size Distribution on Erosion Characteristics in Dilute Gas-Solid Flow System Nonspherical Particle Interactions in Turbulence Polymer Melt Flow Through a Screen Changer Filter Direct Flux via Virtual Faces: Conservative Interpolation-free overset CFD for OpenFOAM Random quantum networks as an unsupervised PDE solver Constructing Lagrangians for Dissipative Systems: Application to Hydrodynamics A Comparison of Reduced Order Modelling Methods for the Prediction of Destructive Atmospheric Re-entry Aerothermodynamics High Fidelity Simulation of Atmospheric Dispersion Modelling the effects of turbulence in secondary nucleation
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CSF-001	C. Garbacz	Nonequilibrium ionized reentry flows on ice-giants
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FIT-029	S. Rezaeiravesh	Advances in the quantification of time-averaging uncertainties of turbulence statistics
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GAG-016	O.C. Jackson	Experiments Investigating the Dynamics of Vortex Rings in a Rotating Fluid
GAG-018		Experiments Investigating the Dynamics of Vortex Rings in a Rotating Fluid A 1-D model of melt-pond drainage on Arctic sea ice
GAG-018 GAG-019	O.C. Jackson R. Campbell P. Watson	Experiments Investigating the Dynamics of Vortex Rings in a Rotating Fluid A 1-D model of melt-pond drainage on Arctic sea ice Convective States and Patterning Behaviour in Lunar Regolith Under the Effect of Vertical Vibrations
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