

09:30	Welcome speech: Olivier THUAL		
Session 1		Chair: Olivier Thual	
09:45	WINGEL Christopher	<i>Unsteady modelling and analysis of the aerodynamics and aerothermal of a cooled turbine stage</i>	CFD
09:50	DROZDA Luciano	<i>Data-driven discretizations in fluid flow configurations</i>	ALGO-COOP
09:55	WERNER Paul	<i>Aerothermal LBM simulation of bore-cooling cavities of HP compressors</i>	CFD
10:00	GALLARDO Victoria	<i>Evolution of high-temperature extreme events in the Euro-Mediterranean region and their impact on aircraft take-off performance</i>	GLOBC
10:05	ZAPATA José Félix	<i>Surrogate models based on large eddy simulations for the multi-disciplinary design of reusable liquid rocket engines</i>	CFD
10:10	LINÉ Aurélien	<i>Mechanisms, predictability and uncertainty of temperature and precipitation over Europe in the near-term (2020-2040)</i>	GLOBC
10:15	LAMELOISE Etienne	<i>Modeling of soot formation in gas turbines taking into account the morphology of aggregates</i>	CFD
10:20	LUMET Eliott	<i>Data assimilation of microscale air pollutant dispersion using mobile sensors</i>	GLOBC
10:30	1 h Coffee break and Poster Session n°1: Wingel, Drozda, Gallardo, Liné, Cellier, Lameloise		

Session 2		Chair: Bénédicte Cuenot	
11:30	MARCHAL Thomas	<i>Extension of the Spectral Difference method to combustion</i>	CFD
11:35	NONY Bastien	<i>Metamodelling for micro-scale atmospheric pollutant dispersion large-eddy simulation</i>	GLOBC
11:40	NGUYEN Minh	<i>High-Fidelity Aerothermal simulations using the Lattice Boltzmann method</i>	CFD
11:45	VILLARD Jean	<i>Simulation of the combustion of metal particles</i>	CFD
11:50	PEATIER Saloua	<i>Quantification of uncertainties associated with climate projections</i>	GLOBC
11:55	NAESS Thomas	<i>Prediction of the production of pollutants in aeronautical engines</i>	CFD
12:00	GENTIL Yann	<i>Modeling of combustion noise in turbines</i>	CFD
12:15	Lunch		

13:15	1 h Coffee break and Poster Session n°2: Marchal, Nguyen, Nony, Noun, Peatier, Suau		
Session 3		Chair: Pavanakumar Mohanamuraly	
14:15	ORDONEZ Ana	<i>Scalable solvers for thermo-hydro-mechanical problems</i>	ALGO-COOP
14:20	MOCQUARD Clément	<i>Simulation of afterburner in fighter aircraft engine</i>	CFD
14:25	HOK Jean-Jacques	<i>Chemistry-turbulence interaction modeling for the large-eddy simulation of explosions</i>	CFD
14:30	FOUDAD Mohamed	<i>Impact of climate change on clear-air turbulence for aviation</i>	GLOBC
14:35	GIOUD Thibault	<i>Study of CH₄-LO_x combustion in subcritical, trans- and supercritical and super/subcritical transient conditions</i>	CFD
14:40	DURANTON Thibault	<i>Advanced LES modelisation of multi-perforated plates for new generation aeronautical engines</i>	CFD
14:45	DEFONTAINE Théo	<i>Flood predicting on the Garonne upstream of Toulouse by means of Machine Learning</i>	GLOBC
14:50	GIANOLI Thomas	<i>Development of a Lattice-Boltzmann method for turbomachinery S-Duct simulations</i>	CFD
15:00	15 min Break		

Ma thèse en 3 minutes		Chair: Matthieu Pouget	
15:15	CELLIER Antony	<i>Simulation aux grandes échelles de feux de batteries Lithium-Ion pour le diagnostic de l'emballement thermique</i> <i>Large Eddy Simulation of Lithium-Ion Battery Fire for the diagnostic of Thermal Runaway</i>	CFD
15:20	NOUN Mark	<i>Prédiction et mitigation des instabilités de cavité issues de couplages fluide-structure</i> <i>Prediction and mitigation of cavity instabilities resulting from fluid structure interaction</i>	CFD
15:25	SUAU Adrien	<i>Implémentation d'une bibliothèque QBLAS pour accélérateur quantique</i> <i>Implementation of a QBLAS library for quantum accelerators</i>	ALGO-COOP
15:30	BOGOPOLSKY Guillaume	<i>Modélisation d'un propulseur à effet Hall</i> <i>Modelisation of a Hall thruster</i>	CFD
15:35	LAFARGE Thomas	<i>Investigation de l'utilisation des méthodes de Lattice Boltzmann sur réseaux appliquées aux écoulements multiphasiques</i> <i>Lattice Boltzmann methods applied to multiphase flows for the atomization of swirled injectors</i>	CFD
15:45	Voting for best Poster and best "Ma thèse en 3 minutes" presentation		
16:00	Closing speech: Olivier THUAL		