

## Tuesday, July 9<sup>th</sup>, 2019

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8h30 Registration

9h30 Opening session

**10h00 Conference 1 - Is small scale turbulence really anomalous?** [R.A. Antonia](#), S. L. Tang, L. Djenidi, Univ. Newcastle , Australia & Harbin Institute of technology, Shenzhen, P.R. China  
*Chairman : L. DANAILA*

10h40-11h00 Coffee break

**11h00 Session 1 - Turbulence / Kolmogorov** - *Chairman : L. DANAILA*

**11h00-11h20 Universality of some turbulence laws versus finite-Reynolds number (FRN) effects** - [C. Cambon](#)

**11h20-11h40 Modelling the third-order velocity structure function in the scaling range at finite Reynolds number** - [L. Djenidi](#), R.A. Antonia

**11h40-12h00 Turbulence and dissipation in the solar wind** - [A. Noullez](#)

**12h00-12h20 How the turbulence dissipation scaling impacts on the turbulent/non-turbulent interface** - T. Wada, Y. Zhou, [C. Vassilicos](#)

12h30-13h50 Lunch

**13h50 Session 2 - Numerical simulations / Waves / Vortices** - *Chairman : C. VASSILICOS*

**13h50-14h10 Lattice-boltzmann-based simulations of turbulent flows** - [P. Sagaut](#), J. Jacob, S. Wilhelm, Y. Feng, L. Merlier

**14h10-14h30 Vortices in classical fluids and superfluid Bose-Einstein condensates : A numerical investigation** - [I. Danaila](#)

**14h30-14h50 Effect of vorticity on pre-breaking waves in shallow water** - [M. Abid](#), C. Kharif

**14h50-15h10 Rogue waves in the ocean and the Nonlinear Schrödinger equation** - [C. Kharif](#)

15h10-15h30 Coffee break

**15h30 Session 3 - Turbulence / Flow structure** - *Chairman : P. SAGAUT*

**15h30-15h50 Statistics of homogeneous isotropic decaying turbulence with variable viscosity** - [L. Danaila](#), M. Gauding

**15h50-16h10 On large scale motions in wall bounded turbulent flows** - [S. Tardu](#)

**16h10-16h30 Mesoscale elements: coarse-grained description of turbulent flow** - [A. A. Burluka](#)

**16h30-16h50 Corrugated flames and moderate turbulence** - B. Radisson , [C. Almarcha](#), B. Denet, J. Quinard

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19h-20h30 Aperitif Sunset