

LILLE TURBULENCE PROGRAMME 2022
Seminar series
27 June - 13 July 2022

Monday 27 June 4pm: Damien Biau
Scale-free homogeneous and isotropic turbulence

Wednesday 29 June 2pm: Elie Hachem
Deep reinforcement learning for fluid mechanics: engineering, flow control and design

Thursday 30 June 4pm: Gioacchino Cafero
DRL based control of separated flows: an experimental investigation

Friday 1 July 4pm: Francesco Romano
Rotating instabilities in a centrifugal pump

Monday 4 July 4pm: Henrik Larssen
Spatio-temporally fluctuating inter-scale and inter-space energy transfer dynamics in homogeneous turbulence

Tuesday 5 July 4pm: Jaime Vaquero
Advanced simulations and physical analysis of non-equilibrium wall-bounded turbulence at high Reynolds numbers

Wednesday 6 July 4pm: Alberto Aliseda
Flow physics multi-actuator control of a liquid spray induced by a coaxial turbulent jet parallel to a laminar liquid stream

Thursday 7 July 4pm: Martin Obligado
Gravitational settling of droplets in different turbulent flows

Friday 8 July 2pm: Nicolas Benard
Plasma actuators for turbulent wake flow control

Tuesday 12 July 2pm: Mickael Bourgoïn
Rare event-triggered transitions in an aerodynamic multi stable system

Wednesday 13 July 4pm: Ingrid Neunaber
Can non-decaying turbulence be created when mixing different excitation protocols of an active grid?