

## Aerodynamics and Flight Mechanics Research Group

- 5 October 2016 Dr Steven Herring (Defence Science and Technology Laboratory) "Predicting the dispersion of hazardous material releases: past, present and future"
- 12 October 2016 Professor Frank Jacobitz (San Diego) "On the Structure and Dynamics of Homogeneous Turbulent Shear Flows"
- 19 October 2016 Dr Ignazio Maria Viola (Edinburgh) "Fluid dynamics research for marine technology"
- 26 October 2016 Dr Shervin Bagheri (KTH) "Fluid flow over porous media: modeling, experiments and numerical simulations"
- 2 November 2016 Dr Marco Berci (Leeds) "Semi-Analytical ROMs and Multifidelity Tuning for the Unsteady Lift of Subsonic Wings - with an Aeroelastic Perspective"
- 9 November 2016 Mr Luke Muscutt (AFM PGR) "Hydrodynamics of Plesiosaurs".
- 16 November 2016 Mr Tim Foat (AFM PGR & DSTL) "Understanding vapour production and transport in indoor environments for the detection of explosives".
- Mr Jacob Turner (AFM PGR) "Aeroacoustic source mechanisms of a wavy leading edge undergoing vertical disturbances".
- 23 November 2016 Dr Vassilios Theofilis (University of Liverpool) "Modal and non-modal linear instabilities on an elliptic cone in hypersonic flow".
- 30 November 2016 Dr Romain Mari (DAMTP) "Non-monotonic flow curves and vorticity banding in shear thickening suspensions".
- 7 December 2016 Dr Professor Nikora I. Nikora (University of Aberdeen) "Turbulence structure of open-channel flows".
- 14 December 2016 Dr Henri Lhuissier (Aix-Marseille Universite) "Impact and pinch-off of non-Newtonian capillary jets".

All talks begin at 16.15 in 3021, Tizard building. Tea, coffee and biscuits are available from 16.00 in the Lilley Room (5019, Tizard).

Questions/comments can be directed to Ed Richardson, 5103 Tizard, [E.S.Richardson@soton.ac.uk](mailto:E.S.Richardson@soton.ac.uk) (tel: +44(0)23 8059 4897, internal: 24897).