



We are pleased to invite you to attend the upcoming **Leeds Institute for Fluid Dynamics (LIFD) launch event** on the **30th January 2019** (schedule attached).

LIFD is a cross-campus institute in fluid dynamics at Leeds with its roots in Maths, Physics (including Astrophysics), Engineering and School of Earth & Environment, with contributions from the Biological Sciences and Medicine. The institute brings together academics, postdocs and PhD students with external partners to build collaboration, funding and to interact with research councils. The Institute builds on the success of our EPSRC funded Centre for Doctoral Training in Fluid Dynamics. We are currently supported by strategic investment from the University of Leeds who recognises the strength of fluids both at the University and more generally in the UK.

In addition to talks from a range of staff, from senior professors to PhD students (including a presentation from one of our industrial partners) that will showcase some of the research highlights from fluid dynamics at Leeds to take place in the afternoon, we shall include a short presentation about the aims and objectives of the research institute. In the evening we shall also host the first annual LIFD lecture to be given by **Professor Howard Stone of Princeton**.

Please book your FREE place to attend via Eventbrite: <https://www.eventbrite.co.uk/e/leeds-institute-for-fluid-dynamics-launch-event-tickets-53288574561> (venue details and confirmation of schedule will be sent following booking).

Check out our website: <https://fluids.leeds.ac.uk/>

Leeds Institute for Fluid Dynamics

Launch Event

Wednesday 30 January 2019

University of Leeds

PROGRAMME

Afternoon session

- 13.30 -14.00 Arrival and registration available
- 14.00 -14.05 **Welcome**
Professor Peter Jimack, Dean of Engineering
- 14.05 -14.35 ***The Fluid Dynamics and MHD of the Planet Jupiter***
Professor Chris Jones
- 14.35 - 14.55 ***How materials manufacturing depends on a sound understanding of fluid dynamics principles: Polyester Film, a case study***
Kieran Looney, Dupont Teijin Films Ltd
- 14.55 -15.35 **Student talks**
- 1 ***Chaotic maps and transport operators: a dynamical systems approach to mixing***, Hannah Kreczak
- 2 ***Plasma instabilities in magnetic confinement fusion***, Fryderyk Wilczynski
- 3 ***Drop Formation in Inkjet Printing***, Evangelia Antonopoulou
- 15.35 -15.50 *Coffee break*
- 15.50 -16.20 ***The influence of the stratospheric polar vortex on surface weather and climate***
Dr Amanda Maycock
- 16.20 -16.50 ***The interdisciplinarity of fluid mechanics: from academia to industrial collaborations***
Professor Nik Kapur
- 16.50 -17.00 Close of afternoon session

Evening session

- 17.00 -17.40 ***Reception and posters***
- 17.45 -17.50 **Welcome**
Sir Alan Langlands, VC

17.50 -18.00 ***Introduction to Leeds Institute for Fluid Dynamics***

Professor Steve Tobias, Director of LIFD

18.00 -19.00 ***Keynote presentation***

Professor Howard Stone, Princeton University