



UK Fluids Network SIG: Evolving Interfaces in Complex Flows

Meeting on Open Problems in Interfacial Fluid Mechanics

18th-19th December, University of Nottingham

Location: Room A17, School of Mathematical Sciences

Organisers: John Billingham (Nottingham), Mark Blyth (UEA), Jamal Uddin (Birmingham)

The aim of the meeting is to bring together researchers in Engineering and the Physical Sciences with a practical interest in evolving interfacial flows. The format is designed to facilitate in-depth discussion of current open problems in interfacial fluid mechanics.

Financial support to attend is available for PhD students and Postdocs.

To register and to request accommodation, please contact: pm-events@exmail.nottingham.ac.uk.
(Accommodation requests must be received by **13th December**)

Programme

Monday 18th December

1.00pm *Lunch*

2.00pm Introduction and welcome – John Billingham

2.05pm **Beaded fibres and FDM 3D printing**, Sheng Qi and Matt Alexander, UEA

3.05pm *Coffee and biscuits*

3.35pm **Interfacial turbulence/Smoothed particle hydrodynamics**, David Hann and Bruce Kakimpa, Nottingham

4.45pm **Freezing liquids and ice-spike formation**, David Fairhurst, Nottingham Trent

7pm *Dinner, venue t.b.a.*

Tuesday 19th December

9.30am **Fluid surfaces in geophysics**, Barbara Turnbull and Matt Scase, Nottingham

10.30am *Coffee and biscuits*

10.45am **Fluid dynamics of anti-surfactant solutions**, Justin Conn, Strathclyde

11.45am **Starch aggregates finding or not finding their way to an oil/water interface**, Bettina Wolf, Nottingham

1pm *Lunch*