

# Non-Newtonian Fluid Mechanics Special Interest Group

Meeting #2 Edinburgh (11-12<sup>th</sup> January)

## The Higgs Centre

Thursday 11<sup>th</sup> Jan Schedule

- 12.00 -1.00pm** Buffet lunch, meet-and-greet, individual introduction over membership slide on projector (complete attached PPT slide).
- Session #1 Welcome
- 1.00 pm Welcome Talk, Scene Setting and Objectives of meeting: [Rob Poole/Alexander Morozov/Sean Lovett](#)
- Session #2 Key theme discussion
- 1.15 pm **Yield stress fluids; Overview of field and open questions:**  
Michel Cloitre, ESPCI  
“Microscopic insights into the physics of yield stress materials” (45 minutes)  
Duncan Hewitt, University of Cambridge  
“Flow, clogging and plasticity in yield stress fluids” (45 minutes)
- 2.45 pm** Refreshment break
- 3.00 pm **Yield stress fluids; Overview of field and open questions:**  
Wilson Poon, University of Edinburgh  
“Yield stress in concentrated granular suspensions” (45 minutes)
- 3.45 pm Breakout sessions for structured discussion
- 4.15 pm Feedback from breakout sessions and open discussion
- 4.45 pm End
- Evening
- 7.00 pm** Dinner at Dine, 10 (1F) Cambridge Street, Edinburgh, EH1 2ED

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Friday 12 <sup>th</sup> Jan	Schedule
Session #3	UK Fluids Network
9.00 am	Update on UK Fluids Network activity: <a href="#">Anne Juel</a> (SIG member and Executive Committee member of UK Fluids Network)
9.15 am	Fluid dynamics of nano-structured materials SIG: <a href="#">Dominic Vella</a> (SIG lead for FDNSM)
9.45 am	Q&A
<b>10.00 am</b>	<b>Refreshments</b>
Session #4	Particular aspects of Yield stress fluid flow:
10.30 am	Simon Cox "Yielding in Foams"
	Stephen Wilson "Unsteady flow of a thixotropic fluid in a slowly varying pipe"
	Sean Lovett "Particles in yield stress fluids"
	Andrew Rees "Modelling of Bingham fluid flow in porous media"
<b>12.30 -1.30pm</b>	<b>Buffet lunch, meet-and-greet, membership display on rotation on projector (complete attached PPT slide)</b>
Session #5	
1.30 pm	Revisit meeting objectives and closing remarks: <a href="#">Rob Poole</a> / <a href="#">Alexander Morozov</a> / <a href="#">Sean Lovett</a>
2.00 pm	End