

# Advanced School in Liquids and Complex Fluids 'Solutions in the Snow' Programme

## Monday 5 December 2022

1pm	<b>Registration and Lunch</b>
2pm	<b>Welcome</b>
2:15pm	<b>Lecture:</b> Making Complex Fluids Work for Refugees <b>Professor Tony Ryan OBE</b>
3:15pm	<b>Lecture 1:</b> Elastic neutron scattering: Studying structures over many orders of magnitude <b>Dr Gregory Smith</b>
4pm	<b>Networking and Poster Session</b>
5pm	<b>Day concludes</b>

## Tuesday 6 December 2022

9am	<b>Lecture 2:</b> Elastic neutron scattering: Studying structures over many orders of magnitude <b>Dr Gregory Smith</b>
9:45am	<b>Workshop:</b> Elastic neutron scattering: Studying structures over many orders of magnitude <b>Dr Gregory Smith</b>
10:30am	<b>Morning Break</b>
11am	<b>Lecture 1:</b> Theory of inhomogeneous liquids in and out of equilibrium: density functional theory and its dynamical extensions <b>Professor Andrew Archer</b>
11:45am	<b>Lecture 2:</b> Theory of inhomogeneous liquids in and out of equilibrium - density functional theory and its dynamical extensions <b>Professor Andrew Archer</b>
12:30pm	<b>Lunch</b>
1:30pm	<b>Flash poster presentations</b>
3pm	<b>Afternoon Break and Poster Session</b>
5pm	<b>Day concludes</b>

## Wednesday 7 December 2022

9am	<b>Workshop:</b> Theory of inhomogeneous liquids in and out of equilibrium: density functional theory and its dynamical extensions <b>Professor Andrew Archer</b>
9:45am	<b>Lecture 1:</b> Colloids at liquid interfaces - interactions, rheology, and materials <b>Dr Job Thijssen</b>
10:30am	<b>Morning Break</b>
11am	<b>Lecture 2:</b> Colloids at liquid interfaces - interactions, rheology, and materials <b>Dr Job Thijssen</b>
11:45am	<b>Workshop:</b> Colloids at liquid interfaces - interactions, rheology, and materials <b>Dr Job Thijssen</b>
12:30pm	<b>Lunch</b>
1:30pm	<b>Q&amp;A Session</b>
2:15pm	<b>Sessions conclude</b> <b>Gather belongings and walk to museum</b> (for those attending)
3pm	<b>Tour at Kelham Island Museum</b>
4pm	<b>Free time</b>
7pm	<b>Conference Dinner</b> Piccolino Restaurant

## Thursday 8 December 2022

9am	<b>Lecture 1:</b> Theory and modelling of liquid crystal materials <b>Professor Nigel Mottram</b>
9:45am	<b>Lecture 2:</b> Theory and modelling of liquid crystal materials <b>Professor Nigel Mottram</b>
10:30am	<b>Morning Break</b>
11am	<b>Workshop:</b> Theory and modelling of liquid crystal materials <b>Professor Nigel Mottram</b>
11:45am	<b>Lecture 1:</b> Computer simulation - its impact on our understanding of liquids and complex fluids <b>Professor Mike Allen</b>
12:45pm	<b>Poster Prize and Closing Remarks</b>
1pm	<b>Conference concludes</b>