THE BRITISH SOCIETY OF RHEOLOGY

Midwinter Meeting, Edinburgh
15-17 Dec 2025

Monday 15th December 2025	
12:00-13:15	**Lunch and posters**
	Session 1
13:15-14:00	INVITED TALK: From plants to formulation engineering: mechanical anisotropy in action Rosemary Dyson, University of Birmingham
14:00-14:20	Shear-Induced Migration of Circulating Tumour Cells in Inertial Microfluidic Flows Ben Owen, University of Edinburgh
14:20-14:40	Linking structure to viscoelasticity in concentrated solutions of monoclonal antibodies: the quest for an appropriate mesoscopic length scale Alfred Lanzaro, University of Glasgow
14:40-15:15	**Coffee and posters**
	Session 2
15:15-16:00	BSR GOLD MEDAL TALK: A thirty-year rheological learning curve Wilson Poon, University of Edinburgh
16:00-16:20	In-situ Rheological Analysis of Covalent Adaptive Network Fracture and Repair Rebecca Cass, Northumbria University
16:20-16:40	Modelling the increased failure toughness of double network hydrogels Suzanne Fielding, Durham University
16:40-17:00	**GROUP PHOTO**
17:00-18:30	BSR Council Meeting

Tuesday 16th December 2025	
	Session 3
09:00-09:45	INVITED TALK: Rheology in Volcanology: its Importance for Forecasting Eruptions and Assessing their Hazards James Hickey, University of Exeter
09:45-10:05	The degeneracy of flat elastic particles with area-dependent potential energy Luke Debono, University College London
10:05-10:25	Yielding and Order in Dry deformable droplet suspensions Achille Quarante, University of Edinburgh
10:25-11:00	**Coffee and posters**
	Session 4
11:00-11:20	Drag force reduction due to rotation in granular media Robin Burton, University of Edinburgh

11:20-11:40	Thixotropic Modelling of Concrete Pumping Tom Eaves, University of Dundee
11:40-12:00	Creases on a uniaxially compressed yield stress fluid Thomasina Ball, University of Warwick
12:00-13:15	**Lunch and posters**
	Session 5
13:15-14:00	BSR VERNON HARRISON AWARD: Spatio-temporal Instabilities in Discontinuous Shear Thickening Fluids Peter Angerman, Swansea University
14:00-14:20	Potential Flow Solutions for Viscoelastic Fluids Henry Broadley, University of Manchester
14:20-14:40	Harnessing Machine Learning for Constitutive Modelling of Viscoelastic Fluids in CFD Joshua Cummings, University of Strathclyde
14:40-15:15	**Coffee and posters**
	Session 6
15:15-15:35	From bulk to local: elucidating flow instabilities and fracture during the “yielding” transition of direct ink writing formulations Esther García-Tuñón, University of Liverpool
15:35-15:55	Fat-Sugar-Substituted Icings: Plausible possibility or just a piping dream? Peter Cooper, University of Sheffield
15:55-16:15	Towards in silico digestion models: Assessing the interaction of particle size distribution and moisture content on the mechanical behaviour of gastric boluses Alexandros Makrypidis, Imperial College London
16:15-16:35	Making banana jam; the role of particle curvature in dense suspension rheology Gavin Melaugh, University of Edinburgh
19:00	**Conference dinner, Scotch Whisky Experience, Royal Mile**

Wednesday 17th December 2025	
	Session 7
09:00-09:45	INVITED TALK: Bubbles in dense suspensions Ivo Peters, University of Southampton
09:45-10:05	Tunable Double Yielding of Bacterial Biofilms Laura Porath, ESPCI Paris
10:05-10:25	Emergence of rolling constraints in depletion-induced colloidal gels Huadan Xu, University of Edinburgh
10:25-11:00	**Coffee and posters**
	Session 8
11:00-11:45	BSR ANNUAL AWARD: From Steps to Scales: Transforming Rheology with i-Rheo and Beyond Manlio Tassieri, University of Glasgow
11:45-12:05	Jack King, Viscoelastic Instabilities in Porous Media University of Manchester
12:05-12:25	How droplets remove particles from surfaces Abhinav Naga, University of Edinburgh