

Preliminary schedule			
Ninth Statistical Mechanics of Soft Matter Conference + Research School			
Murdoch University, Perth, 20-23 November 2023			
Monday 20 Nov 2023 (SM^2 Conference)			
12:30	Welcome		
12:45	Charlotte Petersen	Uni of Melbourne	Direct measurement of structural change with amorphous solidification from simulated static speckle scattering
13:15	Shibu Saw	Roskilde Uni DK	Active-parameter polydispersity in the 2d Active Brownian Particle model
13:45	Blake Armstrong	Curtin University	Determining the Complete Thermodynamics of Calcite Kink Sites for Crystal Growth and Dissolution
14:05	Riccardo Civallo	Swinburne Uni	Transient Time Correlation Function to compute slip length of a sheared water on graphene system
14:30	Coffee Break		
15:00	Richard Sadus	Swinburne Uni	Ab Initio Potential for Classical Hydrogen
15:30	Tim Duignan	Griffith Uni	Accelerated and accurate first principles simulation of electrolytes with equivariant neural networks
16:00	tba	tba	tba
16:20	tba	tba	tba
16:40	tba	tba	tba
17:30	Drinks at the Guild Tavern		
Tuesday 21 Nov 2023 (SM^2 Conference)			
09:30	Andreas Menzel	Magdeburg Uni DE	From polar to nematic and chiral actively driven motion
10:00	Prabhakar Ranganathan	Monash University	Hyperfluidity in sperm suspensions
10:30	Coffee Break		
11:15	Ravi Jagadeeshan	Monash University	Universal diffusion of dendrimers in semidilute solutions of linear polymers
11:45	Billy Todd	Swinburne Uni	Practical use of nonlinear response theory: a paradigm-shift for tribology and rheology
12:15	Debra Bernhardt	Uni of Queensland	Distribution functions: their existence and utility
12:45	Lunch Break		
14:00	David Huang	Uni of Adelaide	Non-equilibrium molecular dynamics of steady-state fluid transport through a 2D membrane driven by a concentration gradient
14:30	Nathan Clisby	Swinburne Uni	Enhanced Flory screening for Hamiltonian walks
15:00	tba	tba	tba
15:30	Coffee Break		
16:15	Zhaochuan Fan	SINANO, Suzhou, CN	Anisotropy in Near-Spherical Colloidal Nanoparticles
16:45	tba	tba	tba
17:15	Peter Harrowell	Uni of Sydney	The Structural Change Associated with Amorphous Solidification
19:00	Casual conference dinner in Fremantle		
Wednesday 22 Nov 2023 (SM^2 Conference)			
09:00	Stephen Sanderson	Uni of Queensland	Measuring partial or local temperature in inhomogeneous systems with rigid constraints
09:30	tba		
10:00	tba		
10:30	Coffee break		
11:15	Gerd Schroeder-Turk	Murdoch University	Disordered bicontinuous structures in sea urchin stereoms
11:45	tba		
12:15	Close of conference		
Thursday 23 Nov 2023 (Summer School)			
Based on current expressions of interest, the summer school will be run as a single-day school. Presenters and topics:			
	Andreas Menzel	Hydrodynamic interactions in viscous suspensions with links to elastic systems and statistical physics	
	Tim Duignan	Equivariant Neural network potentials: CP2K and NequIP simulations of neural network potentials for water	