



In the 2020-21 financial year the Australian Society of Rheology is presenting a national series of online lectures, which is open to anyone interested in the flow and deformation of matter.

## Calendar details

No	Speaker	Date & Time (Melbourne Time)	Institution
1	Prof Ronald Larson	Tue, 8 Dec, 9-10:30 am	University of Michigan
2	Prof Timothy Lodge	Tue, 23 Feb, 9-10:30 am	University of Minnesota
3	Dr Dmitry Fedosov	Tue, 16 Mar, 6-7:30 pm	Forschungszentrum Juelich
4	Prof Dimitris Vlassopoulos	Tue, 20 Apr, 4-5:30 pm	FORTH and University of Crete
5	Prof Glenn Fredrickson	Tue, 18 May, 9-10:30 am	UCSB
6	Prof Hans C. Ottinger	Mon, 21 Jun, 5-6:30 pm	ETH
7	Dr Roseanna Zia	Wed, 21 Jul, 9 – 10:30 am	Stanford
8	Prof Michael Solomon	Mon, 23 Aug, 9-10:30am	University of Michigan
9	Prof Marco Ellero	Tue, 21 Sep, 5-6:30 pm	Basque Center for Applied Mathematics
10	Prof Marek Pawlik	Tue, 19 Oct, 9 – 10:30 am	University of British Columbia

## Lecture Titles

1. Industrial Strength Rheology: Multi-Scale Modelling of Polymers, Colloids, and Surfactant Solutions
2. Equilibration and Dynamics in Block Copolymer Micelles
3. Blood rheology and its effect on the migration of micro- and nanoparticles in blood flow
4. Rheology modification of physical networks: topology and competing interactions
5. Field-Theoretic Simulations of Polymers: Bridging Scales and Inverse Design
6. Learning from fluctuations in rheology
7. Physics-based modeling of whole-cell function: colloidal fundamentals to life-essential processes
8. Rheology of colloidal gels with embedded active matter
9. Modelling and simulation of complex suspensions
10. Flocculated Mineral Sedimentation (Tentative)

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