



Fracmeet 2025

Collective Phenomena in Disordered Systems- II



November 20-22, 2025

Overview

The focus of this **3-day conference** is to discuss the recent developments and future challenges in multiphase flow, the dynamics of fracture, and recent problems in soft matter from a point of view of statistical mechanics and non-linear physics. This will be a highly interdisciplinary meeting encompassing various evolving areas of physics, including condensed matter, geophysics, physics of disordered systems, and material design. An insight into the underlying processes involves physical descriptions and modelling across large length-scales, bringing forth researchers from theory and experiments, across disciplines with varying expertise to develop a common understanding.

Speakers

- Ranjini Bandyopadhyay (RRI, Bengaluru)
- Bikas K. Chakrabarti (SINP, Kolkata)
- Sandeep Choubey (IMSc, Chennai)
- Dipjyoti Das (IISER Kolkata)
- Tapati Dutta (St. Xaviers, Kolkata)
- Anshul Faye (IIT Bhilai)
- Sanchari Goswami (Vidyasagar College, Kolkata)
- Anupam Gupta (IIT Hyderabad)
- Takahiro Hatano (Osaka University)
- Ran Holtzmann (Coventry, UK)
- Ferenc Kun (University of Debrecen)
- V Madhurima (CUTN, Thiruvallur)
- Estelle Pitard (University of Montpellier)
- Rajesh Ravindran (IMSc, Chennai)
- Purusattam Ray (IMSc, Chennai)
- Sohom Ray (IIT Roorkee)
- Sutapa Roy (BITS Hyderabad)
- Parongama Sen (University of Calcutta)
- Gaurav Singh (IIT Delhi)
- Eduard Vives (University of Barcelona)

Registration Fee

Faculty: INR **4000**
Students: INR **2000** (waived
for organising institutes)

Contact Us

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Topics

- Stochastic systems and processes
- Fracture and flow in disordered systems
- Biomechanics
- Dynamics of complex materials.
- Statistical physics of fracture.
- Rheology of multi-phase flow.
- Rheological response of soft yield stress materials
- Physics of earthquake modelling
- Continuum damage mechanics

Important Dates

- 1** Abstract Submission Deadline **September 30, 2025**
- 2** Notification of Acceptance **October 04, 2025**
- 3** Early Bird Registration Deadline **October 10, 2025**
- 4** Last date for Registration and Payment of Fees **October 31, 2025**

Conveners

- Soumyajyoti Biswas (SRM University-AP, Amaravati)
- Debayan Chakraborty (IMSc, Chennai)
- Subhadeep Roy (BITS, Hyderabad)

Organising Committee

- Swetamber Prakash Das (SRM University-AP, Amaravati)
- Supravat Dey (SRM University-AP, Amaravati)
- Arghya Dutta (SRM University-AP, Amaravati)
- Pranab Mandal (SRM University-AP, Amaravati)
- Debabrata Pramanik (SRM University-AP, Amaravati)
- Gangireddy Salla (SRM University-AP, Amaravati)