



## ICTS Fluid Dynamics Seminar

- Title** : New Trends in the Cahn-Hilliard-Navier-Stokes description of Binary-Fluid Mixtures: An Overview
- Speaker** : Rahul Pandit (Indian Institute of Science, Bengaluru)
- Date** : Friday, 03 July 2026
- Time** : 11:30 AM (IST)
- Abstract** : I will provide an overview of the Cahn-Hilliard-Navier-Stokes (CHNS) framework that has been used to study multi-phase flows. I will present our recent studies of binary-fluid mixtures, especially active-fluid mixtures and the non-reciprocal CHNS systems.
- Venue** : Emmy Noether Seminar Room  
Zoom Link: <https://icts-res-in.zoom.us/j/95253252857?pwd=ueFTc4PHNN38FccmAbPbrsCD3ARpZ2.1>  
Meeting ID: 952 5325 2857  
Passcode: 191920