



ICTS Fluid Seminar (HYBRID)

Title : Nonlinear interactions between fluid flows and evolving boundaries

Speaker : Srikanth Toppaladoddi (University of Leeds)

Date : Friday, 21st July 2023

Time : 11:00 AM (IST)

Abstract : Interactions between fluid flows and evolving boundaries are at the heart of some of the most challenging problems in applied mathematics, geophysics, and engineering. In this talk, I will explore the interplay between shear- and buoyancy-driven flows and phase-changing boundaries using numerical simulations. Specifically, I will consider the Rayleigh-Bénard-Poiseuille flow of a pure liquid phase over its solid phase to understand the impact of those interactions on the evolution of the solid phase and the heat transport in the liquid phase.

Venue : **Offline:** Emmy Noether Seminar Room (ICTS)

Online: Please click the below link to join the seminar.

<https://icts-res-in.zoom.us/j/89107193190?pwd=emVQditLNUk2dUtYVGh4eVBmTCs3QT09>

Meeting ID: 891 0719 3190

Passcode: 212122