

Seminar

Understanding how dense suspensions flow and when they do not

Martin Trulsson

Lund University, Sweden

In this talk, I will provide an overview of the current understanding of dense suspensions, as well as the closely related subject of granular flows. I will review concepts such as shear stress and shear rate, introduce the so-called $\mu(J)$ -rheology, and discuss how particle shape and interactions influence the rheology, i.e., flow properties. I will also review recent advances in using various flow protocols, transient flows and what happens under inhomogeneous conditions.

Friday, Dec 5th 2025

16:00 Hrs (Tea / Coffee 15:45 Hrs)

Auditorium, TIFRH