TIFR Centre for Interdisciplinary Sciences, Narsingi, Hyderabad 500075

Seminar

The elastic and elastocapillary Landau-Levich problem

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Abstract: The classical Landau-Levich dip-coating flow involves the entrainment of a thin film of fluid along a vertically withdrawing plate. Recent experiments show that the thickness of the thin film increases and the power-law behaviour relating the film thickness to the plate speed changes if the interface is covered with a monolayer of adsorbed particles. In this talk, I will discuss our attempt at understanding these experiments with emphasis on the broader question of the role of interfacial elasticity in these flows.

***Date*: Friday, April 05th 2013**

***Time*: 04:00 PM (Tea/Coffee at 03:30PM)**

***Venue*: Conference Hall, TCIS**

All are cordially invited