
Seminar

Crystal to crystal transformation in a 3-dimensional colloidal system

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The micro-structural and the kinetic aspects of crystal to crystal transformations remains poorly understood today, in large part due to the simultaneous challenges of probing atomic time-scales and length-scales and of controlling the governing thermodynamic parameters. We use soft, spherical, micron-sized colloids - whose size is controllable by changing the temperature, and whose interactions are tunable with an electric field - to probe micro-structural changes and macroscopic kinetics at a crystal to crystal phase transition. The accessibility of two thermodynamic variables enables us to examine the path dependence of the kinetics.

Wednesday, Mar 18th 2015

4:00 PM (Tea/Coffee at 3:30 PM)

Seminar Hall, TCIS