

## ICTS Colloquium

Title : Pattern Formation in the Kinetics of Phase Transitions

Speaker : Sanjay Puri, Jawaharlal Nehru University, Delhi

Date : Monday, October 3, 2016

Time : 3:00 pm

Venue : Emmy Noether Seminar Room, ICTS Campus, Bangalore

Abstract : Consider a system which is rendered thermodynamically unstable by a sudden change of parameters, e.g., temperature, pressure, etc. The system evolves towards its new equilibrium state via the emergence and growth of domains enriched in the preferred phases. Problems in this area of "kinetics of phase transitions" have received much research attention. In this talk, we review our understanding of this area. We also discuss our recent work on surface-directed spinodal decomposition, i.e., the interplay of wetting and phase separation at a surface.