NITheP cordially invites you to a seminar by:

Dr Riccardo Fantoni
National Institute for Theoretical Physics, Stellenbosch

Date: Wednesday 21st of September 2011
Time: 14:00 *** (not usual 15h00 slot)
Venue: NITheP Stellenbosch Seminar room

TITLE: Cluster Theory of a Janus Fluid

ABSTRACT: Recent Monte Carlo simulations on the Kern and Frenkel model of the Janus fluid have revealed that in the vapor phase there is the formation of preferred clusters of a well defined number of particles: the micelles and the vesicles. A cluster theory is developed to approximate the exact clustering properties stemming from the simulations. It is shown that the theory is able to reproduce the micellization phenomena.

Navrae/Enquiries: Prof M Kastner
Tel: 021 808 3863
Email: kastner@sun.ac.za