



INDIAN INSTITUTE OF SCIENCE
BANGALORE

INSTITUTE COLLOQUIUM
(Physical & Mathematical Sciences)

By

Professor Sriram Ramaswamy

Centre for Condensed Matter Theory
Department of Physics

MATTER OUT OF EQUILIBRIUM: SWIMMING, SHAKEN, STUCK

Date : Tuesday, 28th February 2012

Time : 4-00 p.m

Venue : Faculty Hall, Main Building

Professor P. Balaram, Director
Will preside

ALL ARE WELCOME

Tea: 5-00 p.m

ABSTRACT

I will summarize work done in collaboration with my students and colleagues on nonequilibrium matter. One part of my talk will be on active matter, which is a physicist's way of referring to collections of motile organisms, the cytoskeleton with the contractile activity of molecular motors, and some surprising non-living imitations. In a second part I will discuss aspects of the transition from liquid to glass, a trapped, disordered metastable state. My talk will include an overview and a report on our latest results.