AN INTERNATIONAL WORKSHOP ON NONLINEAR COMPLEX DYNAMICAL SYSTEMS
Organised By
Agricultural & Ecological Research Unit, Indian Statistical Institute, Kolkata
in Collaboration with
Biomathematical Society of India
February 19-20, 2016

The workshop will cover lectures on behaviours of complex nonlinear dynamical systems, namely, collective dynamics of large networks, brain network, climate system, chemical system, neural networks, multicellular organisms, ecological systems and, also on critical phenomena in large brain network. Each lecture will extend for one hour and be given by experts in the related areas which include both theoretician and experimentalist.

List of tentative Invited speakers
Louis M. Pecora, Naval Research Laboratory, Washington DC, USA
(Synchronization of network of oscillators)
Ken Showalter, West Virginia University, USA
(Collective dynamics and Pattern formation in chemical oscillators: Theory and Experiment)
Istvan Kiss, St. Luis University, USA
(Collective dynamics of chemical oscillators: Experiment)
Juergen Kurths, Potsdam Institute of Climate Research, Germany
(Climate Research)
Ulrike Feudel, Oldenburg University, Germany (Ecological systems)
Marek Orlik, University of Warsaw, Poland
(Self-organization in Chemical oscillators: Theory and Experiment)
Jordi Sorino Fradera, University of Barcelona, Spain
(Neural networks and multicellular organism: Experiment)
Viola Priesemann, Max Planck Institute for Dynamics and Self-organization, Germany (Experimental Brain dynamics)
Marco Antonio Rivera, Universidad Autónoma del Estado de Morelos, Mexico. (Mercury heart-beating experiment)
Oley Omelchencko, Weierstrass Institute, Germany
(Collective behaviour of oscillators: Theory and Experiment)
Y. Mainstrenko, National Academy of Sciences, Ukraine
(Collective behaviour of oscillators)
Lucilla De Arcangelis, Naples, Italy. (Critical phenomena)
Soumitro Banerjee, IISER-Kolkata. (Bifurcations)

Important Announcement
Registration fee: Rs. 500/-
Venue : 1st day at Department of Mathematics, Jadavpur University
2nd day : at Indian Statistical Institute, Kolkata

All corresponds should be : drsaurendas@gmail.com
Max no of candidates : 40.
Last date of registration: January 15, 2016.