

DST–SERC School on Nonlinear Dynamics

December 04-24, 2011

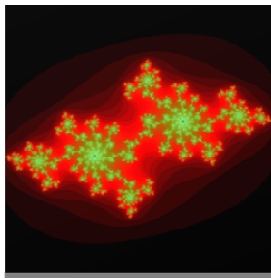


Indian Institute of Science Education and Research, Pune

The next DST–SERC school in Nonlinear Dynamics will be held at Indian Institute of Science Education and Research, Pune during December 04-24, 2011. The focus areas for the school are non equilibrium statistical mechanics and stochastic differential equations.

The primary goal of this school is to train young research scholars in the basics of nonlinear dynamics and also to expose them to recent developments in the field. The format consists of introductory lectures on nonlinear dynamics in the first part and on some advanced topics in the latter part of the school supplemented by lab sessions and tutorials.

COURSES



Basic nonlinear dynamics I (discrete & continuous systems, stability & bifurcations)
 Basic nonlinear dynamics II (Hamiltonian dynamics)
 Basic nonlinear dynamics III (characterization & time series methods, integrable systems)

Advanced Course 1: Non equilibrium statistical mechanics
 Advanced Course 2: Stochastic differential equations
 Advanced Course 3: Driven complex fluids

In addition there will be special lectures on areas of recent research.

Applications are invited from interested Ph.D. students, postdoctoral fellows and junior faculty members to participate in the school. A few highly motivated final year M.Sc. and B.Tech students will also be considered. Students and post-doctoral fellows should include a letter of recommendation from research supervisor/head of the department. Travel and local hospitality will be provided to outstation participants. Applications from countries other than India are encouraged. They will be provided only local hospitality.

Director of School: G Ambika (IISER, Pune)

Application forms can be downloaded from www.iiserpune.ac.in/~sercnld and submitted either by e-mail or post to:

Dr. G Ambika

Indian Institute of Science Education and Research,
 Sai Trinity, Sutarwadi, Pashan, Pune-411021, India.

e-mail: g.ambika@iiserpune.ac.in, gouriambika@gmail.com

DEADLINE FOR RECEIVING APPLICATIONS: September 30, 2011

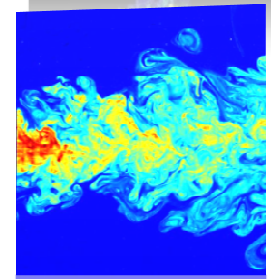
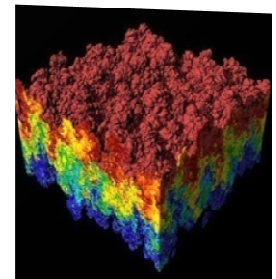


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