

Visa Request

To obtain an official invitation to apply for VISA, Kindly mail the following details to csas.iitm.2016@gmail.com

- Surname
- Given Name
- Affiliation/Name of the institution
- Date of Birth
- Passport Number
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- Passport Expiry date

Registration Fee

Faculty from India	4500 INR
Indian Students	2500 INR
Industry Delegates/Scientists from National Labs	5000 INR
International Delegates	200 USD



CSAS 2016

Feb 1-5, 2016

Contact

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Complex System Approach to Self-Organization



Venue: IC & SR, Indian Institute of
Technology Madras, Chennai, India

CSAS 2016

The main focus of this conference is to understand the catastrophic transitions happening in a complex system using the theory self-organization. We also want to develop effective control strategies to prevent these critical transitions. The control strategies will be developed based on the early warning signals or precursors of an impending transition determined using complex systems theory.

The main objectives of this conference are as follows.

To apply the concepts and tools from complex systems theory to problems in engineering and physics.

To identify and characterize unifying features of self-organization observed in various systems.

To develop early warning signals of the critical transitions observed in complex systems

To come-up with prevention/control strategies for mitigating the catastrophic transitions observed in complex systems.



Special session on nonlinear time series analysis

Organized by **Prof. G. Ambika**, IISER.

The session aims to create awareness on nonlinear time series analysis related to fundamental analysis as well as real-life applications, to give hands-on training on implementation of various techniques and to experience handling of various data sets especially from astrophysics, earth and climate science, physiology, econometrics, finance etc. There will be 2 or 3 lectures followed by hand-on lab sessions where participants will be trained on computational measures like correlation dimension, entropy, multi fractal measures, recurrence plots and networks.

Organizing Committee

Chair

Prof. R. I. Sujith

Indian Institute of Technology Madras

Co - Chair

Prof. Neelima M. Gupte

Indian Institute of Technology Madras

Members

Prof. G. Ambika

Indian Institute of Science Education and Research, Pune

Prof. Deepak Dhar

Tata Institute of Fundamental Research, Colaba

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