

The Institute of Mathematical Sciences
Chennai, India

presents

Workshop on

Spins, Games & Networks

Understanding Collective Coordination in Complex Systems

December 11 - 24, 2024

The workshop aims to introduce a multi-disciplinary audience to an array of theoretical & computational methods for modeling complex systems in the physical, biological and social sciences. Participants will learn to analyze self-organized behavior in populations of agents interacting with each other through either deterministic/stochastic rules, or strategies, from lectures, as well as, group projects. The latter will span topics ranging from epidemics to systemic risk in financial markets.

Topics to be covered include

Game Theory, Evolutionary Games & Adaptive Dynamics, Complex Networks, Time-series Analysis, Statistical Physics of Spin Systems, Nonlinear Dynamics, and Deep Neural Networks

Participation

Limited seats available. Please apply via <https://tinyurl.com/mw89s926>

For queries, email clds.imsc@gmail.com

Organizers

Anindya S Chakrabarti

Shakti N Menon

V Sasidevan

Sitabhra Sinha



Venue

ECG Sudarshan Hall, IMSc Chennai

