



School on Networks in Biology, Social Science and Engineering
IISc Mathematics Initiative
Department of Mathematics, Indian Institute of Science, Bangalore



July 02 - 11, 2012

Venue : Lecture Hall I, Department of Mathematics, IISc

July 02, 2012 : Registration 08:30 am

Date/Day	09:00 - 10:30	10:30 - 11:00	11:00 - 12:30	12:30 - 02:00	02:00 - 03:30	03:30 - 04:00	04:00 - 05:00
02.07.2012 Monday	Somdatta Sinha	Tea	Sanjay Jain	Lunch	Somdatta Sinha	Tea	Computer Lab Session
03.07.2012 Tuesday	09:00 - 10:30	10:30 - 11:00	11:00 - 01:00	01:00 - 02:00	02:00 - 03:30	03:30 - 04:00	04:00 - 05:00
	Sanjay Jain	Tea	Devdatt Dubhashi	Lunch	Sanjay Jain	Tea	Computer Lab Session
04.07.2012 Wednesday	09:00 - 10:30	10:30 - 11:00	11:00 - 01:00	01:00 - 02:00	02:00 - 03:30	03:30 - 04:00	04:00 - 05:00
	Noshir Contractor	Tea	Noshir Contractor	Lunch	Noshir Contractor	Tea	Computer Lab Session
05.07.2012 Thursday	09:00 - 11:00	11:00 - 11:30	11:30 - 12:30	12:30 - 02:00	02:00 - 03:00	03:00 - 03:30	04:00 - 05:00
	Devdatt Dubhashi	Tea	Indrani Bose	Lunch	Indrani Bose	Tea	Computer Lab Session
06.07.2012 Friday	09:00 - 10:30	10:30 - 11:00	11:00 - 01:00	01:00 - 02:00	02:00 - 03:30	03:30 - 04:00	04:00 - 05:00
	Alexandre Morozov	Tea	Sitabhra Sinha	Lunch	Sitabhra Sinha	Tea	Computer Lab Session
07.07.2012 Saturday	09:00 - 10:30	10:30 - 11:00	11:00 - 01:00	01:00 - 02:00	02:00 - 03:30	03:30 - 04:00	04:00 - 05:00
	Sitabhra Sinha	Tea	Alexandre Morozov	Lunch	Alexandre Morozov	Tea	Computer Lab Session
09.07.2012 Monday	09:00 - 10:30	10:30 - 11:00	11:00 - 01:00	01:00 - 02:00	02:00 - 03:30	03:30 - 04:00	04:00 - 05:00
	Upinder Bhalla (Venue:NCBS, Bangalore)	Tea	Upinder Bhalla (Venue:NCBS, Bangalore)	Lunch	Upinder Bhalla (Venue:NCBS, Bangalore)	Tea	Computer Lab Session
10.07.2012 Tuesday	09:00 - 10:30	10:30 - 11:00	11:00 - 12:30	12:30 - 02:00	02:00 - 03:00	03:00 - 03:30	03:30 - 05:00
	Eric Smith	Tea	Sanjeev Goyal	Lunch	Eric Smith	Tea	Computer Lab Session
11.07.2012 Wednesday	09:00 - 10:30	10:30 - 11:00	11:00 - 12:30	12:30 - 02:00	02:00 - 03:00	03:00 - 03:30	04:00 - 05:00
	Eric Smith	Tea	Sanjeev Goyal	Lunch	Sanjeev Goyal	Tea	-

Sl. No.	Speaker	Title
1	Somdatta Sinha, IISER Mohali	Networks - a recurrent theme in biological systems
2	Sanjay Jain, University of Delhi	Introduction to Networks
3	Devdatt Dubhashi, Chalmers University	Computational Methods for Inferring Networks in Biology
4	Noshir Contractor, Northwestern	1. Networks and Flows in 21st century Organizational Forms 2. From Disasters to WoW:Using Multi-theoretical, Multi level Models to Understand and Enable Communities 3. Network concepts, measures and visualization 4. Analytic methods to model the structure and dynamics of networks
5	Indrani Bose, Bose Institute	Gene regulatory networks: deterministic and stochastic dynamics
6	Sitabhra Sinha, IMSc Chennai	Ecological Networks
7	Alexandre Morozov, Rutgers University	Physical models of biomolecular networks
8	Upinder Bhalla, NCBS Bangalore	Signaling
9	Eric Smith, Santa Fe Institute	1. The architecture of metabolism and what it tells us about the origin of life 2. The deep evolution of biochemical networks: beyond genes for phylogenetics 3. Historical linguistics and linguistic typology: networks as a foundation for the topology of sounds, words, and meanings
10	Sanjeev Goyal, Cambridge	1. Strategic Network Formation 2. Games on Networks 3. Network Resilience