

INTERNATIONAL CENTRE FOR THEORETICAL SCIENCES

"Workshop on New Directions in Applied Mathematics"
January 01 - 03, 2010

January 01, 2010 (Friday) Venue : Satish Dhawan Auditorium, IISc, Bangalore			
Time		Events	Title
09:00 - 09:30	Chair: S. Ramasubramanian	Inauguration	
09:30 - 10:30		Srinivas Varadhan	Large Deviations. A Survey
10:30 - 11:00		Tea	
11:00 - 12:00		Kavita Ramanan	To be announced
12:00 - 01:00		Probal Chaudhuri	Multiscale Approach in Supervised Statistical Learning
01:00 - 02:30		Lunch Venue: Guest House Lawns	

January 01, 2010 (Friday) Venue : Golden Jubilee Auditorium, Department Electrical Communication & Engineering, IISc, Bangalore			
02:30 - 03:30	Chair: Vijay Chandru	George Gonthier	Beyond the four-colour theorem: software engineering for mathematics
03:30 - 04:00		Tea	
04:00 - 05:00		Piotr Indyk	Sparse Recovery Using Sparse Random Matrices
07:00 - 09:00		Bharatanatyam Performance by Shridhar and Anuradha Venue: Satish Dhawan Auditorium	

January 02, 2010 (Saturday) Venue : Golden Jubilee Auditorium, Department Electrical Communication & Engineering, IISc, Bangalore			
Time		Events	Title
09:30 - 10:30	Chair: P. N. Srikanth	Chris Jones	Assimilating Data into Models: Nonlinearity versus Dimension
10:30 - 11:00		Tea	
11:00 - 12:00		Govind Menon	Complete integrability and Burgers turbulence
12:00 - 01:00		Vasudeva Murthy	To be announced
01:00 - 02:30		Lunch Venue: Guest House Lawns	
02:30 - 03:30	Chair: Deepak Dhar	Eitan Tadmor	From particle to kinetic and hydrodynamic descriptions of flocking
03:30 - 04:00		Tea	
04:00 - 05:00		Martin Wainwright	Estimation in high - dimensional statistical models: Some challenges and progress

January 03, 2010 (Sunday) Venue : Golden Jubilee Auditorium, Department Electrical Communication & Engineering, IISc, Bangalore			
Time		Events	Title
09:30 - 10:30	Chair: Anurag Kumar	Venkat Anantharam	Information-theoretic security
10:30 - 11:00		Tea	
11:00 - 12:00		Marc Mezard	Typically hard constraint satisfaction problems and glasses
12:00 - 01:00		P. Vijaykumar	To be announced
01:00 - 02:30		Lunch Venue: Guest House Lawns	