

**Workshop on
Recent Trends in Partial Differential Equations and Applications
18 – 19 March 2012
Department of Mathematics & Statistics
University of Hyderabad, Hyderabad 500046**

Venue : C.V.Raman Auditorium

18 March, 2012

Time		
09.00 – 10:00	Registration	
10.00 – 10:45	Finite Time Blow-up for a semilinear nonlocal diffusion equation	Prof. A. S. Vasudeva Murthy, T.I.F.R.-C.A.M., Bangalore
10:45 – 11.00	Tea	
11.00 – 11.45	How does one control/suppress free surface instabilities in thin films?	Prof. R. Usha, I.I.T. Madras, Chennai
11:45 – 12.30	controllability of differential equations	Prof. Mythily Ramaswamy, T.I.F.R.-C.A.M., Bangalore
12.30 – 14.00	Lunch	
14.00 – 14. 45	Shock Profile for conservation Laws	Prof. A. Adimurthi, T.I.F.R.-C.A.M., Bangalore
14.45 – 15.00	Tea	
15.00 – 15.45	Homogenization of Optimal control problem in a domain with oscillating boundary	Prof. A. Nandakumaran, I.I.Sc., Bangalore
15.45 – 16.30	On WEBS-FEA of N-S equations	Prof. B. V. Rathish Kumar, I.I.T. Kanpur, Kanpur
16:30-16:45	Tea	

19 March, 2012

Time		
09:30 – 10:15	Models of fluid structure interaction and controllability	Prof. M. Vanninathan, T.I.F.R.-C.A.M., Bangalore
10:15 – 11:00	Linear stability of renewal equation	Dr. T.Suman Kumar, UOH, Hyderabad
11:00 – 11:15	Tea	
11:15 – 12:00	Dynamical Model for HIV infection of CD4 ⁺ T-cells with drug therapy and multiviral strings	Prof. Peeyush Chandra, I.I.T. Kanpur, Kanpur
12:00 – 12:45	State space approach to a problem in Fluid Dynamics	Prof. T. K.V. Iyengar, (N.I.T. Warangal).
12.45 – 14.00	Lunch	
14:00 – 14:45	Nonlinear convection in cavities	Prof. P. Kandaswamy, (Bharathiar University, Coimbatore)
14.45 – 15:30	Rigorous estimates for Oseen-Brinkman transmission problem	Prof. G.P.Rajasekhar, I.I.T.Kharagpur
15:30 – 15:45	Tea	