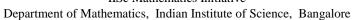


Workshop on Control and Inverse Problems

IISc Mathematics Initiative





December 01 - 05, 2009

Venue: Lecture Hall I, Department of Mathematics, IISc

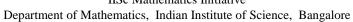
venue : Lecture man i, Department of Mathematics, fise								
Date	09:30 - 10:30	10:30 - 10:50	10:50 - 11:50	12:00 - 01:00	01:00 - 02:30	02:30-03:30	03:30 - 03:50	03:50 - 04:50
01.12.2009 Tuesday	MV		НС	SE		RA		AJS
02.12.2009 Wednesday	M/ V/		НС	RA		SE		DG
03.12.2009 Thursday	MV	Tea	RA	RB	Lunch	XF	Tea	RB
04.12.2009 Friday	SS		SE	RA		XF		NN
05.12.2009 Saturday	SS		NN	SE		SS		NN

	Speaker	Title
MV	M. Vanninathan	Optimal Control Problems and Homogenization
нс	Hui Cao	Ill-posed elliptic Cauchy problem and the application of the balancing principle for its regularization
SE	Sylvain Ervedoza	Resolvent estimates in controllability and application to the discrete wave equation.
RA	Rakesh	Carleman estimates and inverse problems for hyperbolic PDEs
AJS	A. J. Shaiju	Nonlinear control and Hamilton-Jacobi-Bellman equations
DG	Debasish Ghose	Consensus in Multi-Agent Systems: From Collectivism to Oligarchy
RB	Ravi Banavar	Control, mechanics and geometry
ss	Shiva Shankar	An algebraic approach to the control of systems of PDE
XF	Xiaoyu Fu	Controllability and observability of wave equations
NN	Neela Nataraj	Adaptive FEM for elliptic problems.



Workshop on Control and Inverse Problems

IISc Mathematics Initiative





December 07 - 12, 2009

Venue : Lecture Hall I, Department of Mathematics, IISc

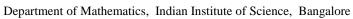
Date	09:30 - 10:30	10:30 - 10:50	10:50 - 11:50	12:00 - 01:00	01:00 - 02:30	02:30 - 03:30	03:30 - 03:50	03:50 - 04:50
07.12.2009 Monday	AKN		VK	PR	Lunch	VK	Tea	RMV/N
08.12.2009 Tuesday	AKN	Tea	VK	AKN		RMV/N		PR
09.12.2009 Wednesday	AKN		VK	_		_		-
10.12.2009 Thursday	RMV/N		RMV/N	RP		RP		-
11.12.2009 Friday	RP		EZ	BD		_		-
12.12.2009 Saturday	EZ		EB	BD		JPR		-

	Speaker	Title				
VK	Venky Krishnan	Microlocal analysis of some inverse problems				
RMV/N	R. M. Vasu / Naren Naik	Introduction to tomography based on light propagation, Reconstruction analysis of dual-grid and shape based reconstruction approaches in subsurface tomography				
AKN	A.K. Nandakumaran	Exact Controllability and Hilbert Uniqueness Method				
PR	Praveen	Numerical shape optimization.				
EZ	E. Zuazua	Control of heat processes: Theory and Numerics.				
BD	Belhassen Dehman	Exact controllability for the wave equation				
RP	Radhakant Padhi	NonlinearControl Design Based on Dynamic Inversion: An Overview & Applications				
ЕВ	Eric Bonnetier	Small volume asymptotics for the detection of small inhomogeneities				
JPR	J-P. Raymond	Feedback stabilization of semilinear parabolic systems				



Workshop on Control and Inverse Problems

IISc Mathematics Initiative





December 14 - 15, 2009

Venue: Lecture Hall I, Department of Mathematics, IISc

Date	09:30 - 10:30	10:30 - 10:50	10:50 - 11:50	12:00 - 01:00	01:00 - 02:30	02:30-03:30	03:30 - 03:50	03:50 - 04:50
14.12.2009 Monday	EZ	Tea	JPR	BD	Lunch	EB	Tea	JPP
15.12.2009 Tuesday	JPP		JPR	JS		EB		-

	Speaker	Title		
EZ	E. Zuazua	Control of heat processes: Theory and Numerics.		
JPR	J-P. Raymond	Application to the Navier-Stokes equations.		
BD	Belhassen Dehman	Exact controllability for the wave equation		
ЕВ	Eric Bonnetier	Small volume asymptotics for the detection of small inhomogeneities		
JPP	J . P. Puel	Controllability problems for parabolic type equations global Carleman estimates and applications		
JS	Jasvinder singh Khoral	Spacecraft Dynamics & Optimal Spacecraft Rotational Maneuvers		