Department of Mathematics

Workshop on

"Approximate Solutions of Operator Equations and

Eigenvalue Problems"

25th-29th February 2008

(Funded by IRCC I.I.T., Bombay)

Venue: Ramanujan Hall

Schedule

Day and Date	Time	Speaker	Topic
Monday, 25/02/08	9:30-10:30	Prof. Mario Ahues Jean Monet University, Saint Etienne, France	Building and Solving Matrix Spectral Problems
	11:00-12:00	Prof. B. V. Limaye	Uniformly Well-conditioned Bases for Spectral Subspaces
	15:00-16:00	Prof. M. T. Nair I.I.T., Madras	Regularization of ill-posed Operator Equations - I
Tuesday, 26/02/08	9:30-10:30	Prof. M. T. Nair I.I.T., Madras	Regularization of ill-posed Operator Equations - II
	11:00-12:00	Prof. Laurence Grammont Jean Monet University, Saint Etienne, France	Generalizations of the Notion of Eigenvalue
	15:00-16:00	Prof. Alain Largillier Jean Monet University, Saint Etienne, France	Spectral Condition Number for Matrices
Wednesday, 27/02/08	9:30-10:30	Prof. Laurence Grammont Jean Monet University, Saint Etienne, France	Non-linear Fixed Point Problems with Compact Operators
	11:00-12:00	Prof. R. P. Kulkarni	Improvement by Iteration
	15:00-16:00	Prof. Alain Largillier Jean Monet University, Saint Etienne, France	A Newton Method for a Schur Form

Day and Date	Time	Speaker	Topic
Thursday, 28/02/08	9:30-10:30	Prof. Mario Ahues Jean Monet University, Saint Etienne, France	Superconvergence of Projection Methods for Weakly Singular Integral Equations
	11:00-12:00	Prof. Rafikul Alam I.I.T., Guwahati	Norm Preserving Dilation with Application to Structured Eigenvalue Problem
	15:00-16:00	Prof. S. H. Kulkarni I.I.T., Madras	To be announced
Friday, 29/02/08	9:30-10:30	Prof. Rafikul Alam I.I.T., Guwahati	Pseudospectra, Critical points and Multiple Eigenvalues of Matrix Polynomial

Note:Tea will be served at 10:30 and 16:00 in the Committee Room.