



OPEN HOUSE 2016

Department of Mathematics and Statistics
Indian Institute of Technology Kanpur

Date : 23rd – 24th January, 2016
Venue : PBCEC Big Class Room,
Visitors Hostel

The Department of Mathematics and Statistics of IIT Kanpur will be organizing the Annual Open House symposium on January 23rd - 24th, 2016. Main aim of this open house is to provide an opportunity for the research scholars of this department working in various fields to come together and discuss current development in their respective areas. This Open House will provide a platform for them to present their work and to exchange ideas with colleagues. It will further give an opportunity to explore the possibilities of future collaborations.

Contact person:
Prof. Debasis Kundu
Dept. of Mathematics & Statistics
Indian Institute of Technology Kanpur
Ph. No: +91-512-2597141
Email: kundu@iitk.ac.in

23rd January, Session I, 9.00 a.m. – 11.15 a.m.

Inheritance of Symmetry for Semilinear Equations
- Dr. Kaushik Bal

A High Order Method for Electromagnetic Wave Scattering from Penetrable Anisotropic Media in Two Dimension - Mr. Awanish Kumar Tiwari

Wavelet Galerkin Method for Fourth Order Multidimensional Partial Differential Equations
- Mr. Gopal Priyadarshi

Maximum Principles in Differential Equations
- Ms. Meena Pargaei

23rd January, Session III, 02.30 p.m. – 04.30 p.m.

Error Bounds and Multi objective Location Problem
- Ms. Poonam Kesarwani

An Algorithm for Bi-level Convex Optimization Problem
- Ms. Tanushree Pandit

WEB Spline Based Finite Element Analysis of a Class of System of Non Cooperative Elliptic Equations
- Mr. Ayan Chakraborty

C^0 Interior Penalty Method for Image Denoising
- Mr. Abdul Halim

24th January, Session V, 9.00 a.m. - 11.00 a.m.

On Some 'In-Consistent' Multivariate Distributions
- Dr. Subhajit Dutta

Some Sufficient Conditions for Relative Ageing of Life Distributions - Ms. Jisha Francis

On Chirp Signal Model - Ms. Rhythm Grover

Effect of Density Dependent Diffusion on Spatio-Temporal Pattern Formation - Ms. Nayana Mukherjee

23rd January, Session II, 11.45 a.m. – 01.15 p.m.

On Progressive Censoring Scheme for Two Samples
- Ms. Shuvashree Mondal

On Generalized Progressive Hybrid Censoring in Presence of Competing Risks - Mr. Arnab Koley

Multivariate Forward Search Estimators for Location Parameter in Elliptical Model and Associated Tests
- Ms. Chitradipa Chakraborty

23rd January, Session IV, 05.00 p.m. – 06.30 p.m.

Weighted Spaces of Holomorphic Functions on Banach Spaces and The Approximation Property
- Ms. Deepika Baweja

A Generalized Interpolation Theorem of Marcinkiewicz Type in Orlicz Spaces - Mr. Rajesh Kumar Singh

Some Inequalities in Banach Spaces and Applications
- Mr. Samya Kumar Ray

24th January, Session VI, 11.30 a.m. – 01.30 p.m.

Categories and Algebras of Rough Sets - Mr. Anuj More

Homotopy Type of Neighborhood Complexes of Kneser Graphs - Mr. Anurag Singh

Neighborhood Complexes of the Exponential Graphs $K_{n+1}^{K_n}$ - Mr. Samir Shukla

Weighted Stekloff Eigenvalue Problem
- Ms. Sheela Verma