

Open House

February 18, 2017

Program

Department of Mathematics and Statistics
Indian Institute of Technology Kanpur

February 18, 2017

Session 1: *9:00 am - 11:00 am*

Chair: Prof. Arbind K. Lal

Speakers: Dr. Amit Kuber: 9:00 am - 9:30 am

Counting redefined

Mr. Anuj Kumar More: 9:30 am - 10:00 am

Topos and Quasitopos of Rough sets

Mr. Abhishek Ghosh: 10:00 am - 10:30 am

Multi-linear Calderon-Zygmund operators on non-homogeneous spaces

Mr. Samya Kumar Ray: 10:30 am - 11:00 am

Basics of Non-commutative L^p -spaces

TEA: *11:00 am - 11:30 am*

Session 2: *11:30 am - 1:00 pm*

Chair: Prof. S.S. Dhar

Speakers: Mr. Prashant Jha: 11:30 am - 12:00 noon

M-estimator for doubly isotonic non-parametric regression

Ms. Shuvashree Mondal: 12:00 noon - 12:30 pm

Inference for Weibull populations under the balanced joint type-II progressive censoring scheme

Mr. Ayan Pal: 12:30 pm - 1:00 pm

Simple step-stress model under Type-II censoring for two parameters generalized exponential distribution

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LUNCH: 1:00 pm - 2:15 pm

Session 3: 2:15 pm - 4:15 pm

Chair: Prof. S. Ghorai

Speakers: **Ms. Nayana Mukherjee: 2:15 pm - 2:45 pm**
*Spiral and target pattern formation in Bazykin's
pre-predator model: multiscale perturbation analysis*
Ms. Sheela Verma: 2:45 pm - 3:15 pm
Eigenvalues on multi-connected domains
Mr. Deepak Prajapati: 3:15 pm - 3:45 pm
*A new decision theoretic sampling plan for
exponential distribution under Type-I censoring*
Ms. Kiran Prajapat: 3:45 pm - 4:15 pm
*Optimal Bayesian sampling plan for two-parameter
exponential distribution under Type-I and Type-II
hybrid censoring*

TEA: 4:15 pm - 4:30 pm

Session 4: 4:30 pm - 5:30 pm

Chair: Prof. D. Kundu

Speakers: **Mr. Samya Kumar Ray: 4:30 pm - 5:00 pm**
Computational complexity and Grothendieck inequality
Mr. Jagabandhu Paul: 5:00 pm - 5:30 pm
Free and Open source software for mathematicians