

Open House

January 27 and January 28, 2018

Program



Department of Mathematics and Statistics
Indian Institute of Technology Kanpur

January 27, 2018

Inauguration: *09:15 am - 09:30 am*

Session 1: *09:30 am - 11:00 am*

Chair: **Dr.**

Speakers: **Dr. Subhajit Dutta**
Nearest Neighbor for HDLSS Data
Ms. Sheela Verma
*A Sharp lower bound for the first non-zero
Steklov eigenvalue*
Mr. Suman Paul
*Combination Theorem for Relatively Hyperbolic
Groups*
Mr. Abhishek Sarkar
*Universal enveloping algebra of a Lie algebroid
over a -spaces*

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

Session 2: *11:30 am - 01:30 pm*

Chair: **Dr.**

Speakers: **Mrs. Chitradipa Chakraborty**
*On Coefficient of Determination in Non-parametric
Measurement Error Model*
Ms. Rhythm Grover
*Asymptotics of approximate least squares estimators
of parameters of two-dimensional Chirp signal*
Ms. Poonam Kesarwani
*On a Practical Notion of Geoffrion Proper Optimality
in Multicriteria Optimization*
Ms. Tanushree Pandit
*About the links between equilibrium problems and
variational inequalities*
Dr. Amit Kuber
Google search: Best friend in research

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LUNCH: 01:30 pm - 02:30 pm

Session 3: 02:30 pm - 04:00 pm

Chair: Dr.

Speakers: **Dr. Anupam Sharma**

Unifying a multitude of metrical fixed point theorems in symmetric spaces

Ms. Nayana Mukherjee

Study of cross-diffusion induced Turing patterns in a ratio-dependent prey-predator model via amplitude equations

Mr. Prashanta Garain

Multiplicity results for a quasilinear equation with singular nonlinearity

Mr. Deeptajyoti Sen

Effect of saturating functional response on a three species prey-predator system with intraguild predation

TEA: 04:00 pm - 04:15 pm

Session 4: 04:15 pm - 05:30 pm

Chair: Dr.

Speakers: **Ms. Kiran Prajapat**

Optimal Bayesian Sampling Plan for Two Parameter Exponential Distribution Under Type-I Hybrid Censoring

Mr. Ayan Pal

Simple Step Stress Model under Type- II Censoring for the Two-Parameter Generalized Exponential Distribution

Mr. Deepak Prajapati

A New Decision Theoretic Sampling Plan for Type-I and Type-I Hybrid Censored Samples from the Exponential Distribution

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Session 5: *09:30 am - 10:45 am*

Chair: Dr.

Speakers: **Mr. Deepak Kumar Pradhan**
*Classification of Drury-Arveson-type Hilbert
modules associated with certain directed graphs*
Dr. Rajeev G
On a Question of N. Th. Varopoulos
Mr. Satyendra Kumar Mishra
Hom-Lie-Rinehart algebras

TEA: *10:45 am - 11:15 am*

Session 6: *11:15 am - 01:15 pm*

Chair: Dr.

Speakers: **Mr. Shantanu Sardar**
Auslander-Reiten sequences
Mr. Anuj Kumar More
Some non-classical algebras
Ms. Arpita Nayek
Torus quotient of Richardson Variety
Dr. Bidhan Chandra Sardar
*Homogenization of Stokes Problem in an Oscillating
Domain*
Mr. Samya Kumar Ray
Proving existence via Probabilistic method