

International Conference on Recent Advances in Statistics

January 04 - 06, 2005

Advance Program



Department of Mathematics and Statistics
Indian Institute of Technology Kanpur

January 4th (Tuesday)

07:30 - 08:30	Breakfast
08:00 - 09:00	Registration
09:00 - 09:30	Inauguration by the Director, IIT Kanpur
09:30 - 10:00	Conference Tea
10:00 - 11:00	Key Note Address by Professor Ingram Olkin
11:00 - 11:30	Tea
11:30 - 13:00	Sessions 1 and 2
13:00 - 14:30	Lunch
14:30 - 16:00	Sessions 3 and 4
16:00 - 16:30	Tea
16:30 - 18:00	Sessions 5 and 6
19:30 - 21:30	Conference Dinner

January 5th (Wednesday)

07:30 - 08:30	Breakfast
08:30 - 09:00	Registration
09:00 - 10:00	Plenary Talk by Professor N. Balakrishnan
10:00 - 10:30	Tea
10:30 - 12:30	Sessions 7 and 8
12:30 - 14:00	Lunch
14:00 - 15:30	Sessions 9 and 10
15:30 - 16:00	Tea
16:00 - 17:30	Sessions 11 and 12
17:30 - 18:00	Tea
18:00 - 18:30	Felicitations Ceremony
19:30 - 21:30	Conference Dinner

January 6th (Thursday)

07:30 - 08:30	Breakfast
08:30 - 09:00	Registration
09:00 - 10:00	Sessions 13 and 14
10:00 - 10:30	Tea
10:30 - 12:00	Sessions 15 and 16
12:00 - 12:30	Special Presentation by SAS India Bangalore
12:30 - 13:00	Closing Ceremony
13:00 - 14:30	Lunch and Farewell

Session 1: *Competing Risks*

Chair: S. Kulathinal (National Public Health, Finland)

Speakers: A. Dewanji (Indian Statistical Institute, Calcutta)
“Estimation of Competing Risks with General Missing Pattern in Failure Types”
K. Das (Calcutta University)
“A Semiparametric Mixture Model for Analyzing Clustered Competing Risks Data”
Isha Dewan (Indian Statistical Institute, New Delhi)
“Accelerated Life Testing in the Presence of Competing Causes of Failure”

Session 2: *Normal & Skewed Normal Distributions: Estimation and Properties*

Chair: Tapan K. Nayak (George Washington University)

Speakers: R. D. Gupta (University of New Brunswick, Canada)
“The Skew-normal Distribution”
N. Pal (University of Louisiana at Lafayette)
“Estimation of a Normal Dispersion Matrix Using Shrinkage Correlation Estimators”
S. Kumar (Indian Institute of Technology Kharagpur)
“Estimating Restricted Normal Mean”

Session 3: *Bayesian Statistics*

Chair: K. Das (Calcutta University)

Speakers: A. Biswas (Indian Statistical Institute, Calcutta)
“Bayesian Adaptive Biased-Coin Designs for Clinical Trials with Normal Responses”
Christian Heumann (LMU Muenchen)
“A Bayesian Approach to Non-Ignorable Missing Response in Generalized Linear Mixed Models”
B.K. Mallick (Texas A & M University)
“Clustering of Functions by Bayesian Wavelet Methods”

Session 4: *Multiple Decision Procedures and Estimation Procedures*

Chair: Somesh Kumar (Indian Institute of Technology Kharagpur)

Speakers: Amar Nath Gill (Jaypee Univ. of Inf. Technology)
“Simultaneous Confidence Intervals for the Successive Ratios of Scale Parameters”
S. Panchapakesan (Southern Illinois University)
“Restricted Subset Selection from Several Normal Populations with A Goal of Selecting at least One of the t Best: Known Common Variance Case”
Zhidong Bai (National University of Singapore)
“Inestimability of Association Parameter Based on a Broken Sample”

Session 5: *Statistics in Finance*

Chair: R.N. Sengupta (Indian Institute of Technology Kanpur)

Speakers: Sankarshan Basu (Indian Institute of Management Bang.)
“Applications of Statistics in Finance”
Sharmistha Mitra (Reserve Bank of India, Mumbai)
“Relationship Between Money, Output and Price: Revisited Using Wavelet Filtering”
Prem P. Talwar (University of Alberta)
“Some Robust Statistical Methods for Finance: A Review and Applications”

Session 6: *Entropy*

Chair: R. D. Gupta (The University of New Brunswick)

Speakers: E. James Harner (West Virginia University)
“Computation of the k-th Nearest Neighbor Estimate of Molecular Entropy Using Parallel Processing”
Harshinder Singh (West Virginia University)
“Nearest Neighbor Estimates of Entropy of Random Fluctuations in Molecules”
Asok K. Nanda (Indian Institute of Technology Kharagpur)
“Some Results on Generalized Residual Entropy”

Session 7: *Statistical Computing & Learning*

Chair: Prem P. Talwar (University of Alberta)

Speakers: T. Krishnan (Systat Software Asia Pacific Limited)
“Monte Carlo Version of the EM Algorithm”
Probal Chaudhuri (Indian Statistical Institute, Calcutta)
“Statistical Learning from DNA Words”
Kuldeep Kumar (Bond University, Australia)
*“Role of ANN and Statistical Techniques in the
Classification of Benign and Malignant Tumors”*
Amit Mitra (Indian Institute of Technology Mumbai)
*“Frequency Estimation of Signal Processing Models
Using Genetic Algorithm”*

Session 8: *Design of Experiments & Spatial Models*

Chair: G.K. Shukla (Indian Institute of Management Lucknow)

Speakers: Kashinath Chatterjee (Visva-Bharai University)
“ Uniformity in Factorial Designs with Mixed Levels”
T.K.S Solanky (University of New Orleans)
*“A note on the Efficiency of Some Designs for the
Partition Problem ”*
M.N. Reddy (Natl. Acad. of Agri. Res. Mgmt.)
*“Application of Spatial Statistical Models in Agricultural
Research and Management”*
Bharat Bhusan Singh (Central Statistical Organization)
“Multivariate Spatial Models for Small Area Estimation”

Session 9: *Estimation*

Chair: P.C. Joshi (Indian Institute of Technology Kanpur)

Speakers: A. Kukush (Kiev National Taras Shevchenko University)
“*Invariant Estimator in a Quadratic Measurement Error Model*”
Hans Schneeweiss (Munich University, Germany)
“*Efficiency Comparison of Several Estimators of a Measurement Error Model*”
Tapan K. Nayak (George Washington University)
“*Comparison of Sequential Experiments for Estimating the Number of Classes in a Population* ”

Session 10: *Resampling & Applications*

Chair: S. Panchapakesan (Southern Illinois University)

Speakers: G.K. Shukla (Indian Institute of Management Lucknow)
“*A Test for Separate Families of Hypotheses Based on Predictive Sample Reuse Techniques* ”
Shubha Rani (B.V. Patel PERD Centre)
“*Statistics: Its applications in Drug Development*”
Paramjit Gill (Okanagan University College, Canada)
“*A Stylometric Analysis of King Alfred’s Literary Works*”

Session 11: *Reliability*

Chair: A. Kukush (Kiev National Taras Shevchenko University)

Speakers: Nandini Kannan (The University of Texas at San Antonio)
“*Inference for the Simple Step-stress Model*”
Hare Krishna (Chaudhary Charan Singh University)
“*A Bivariate Discrete Reliability Model*”
R. R. Kumbhar (Kisan Veer Mahavidyalaya, Maharashtra)
“*Tolerance Intervals for Generalized Rayleigh Distribution*”

Session 12: *Inference & Process Control*

Chair: Paramjit Gill (Okanagan University College, Canada)

Speakers: Anoop Chaturvedi (University of Allahabad)
“Multivariate Control Charts for Autocorrelated Data”
D. T. Shirke (Shivaji University)
“Process Capability Analysis for Non-Normal Distributions”
Kanchan Jain (Panjab University Chandigarh)
“Bonferroni Curve and Related Statistical Inference”

Session 13: *Applications in Biology*

Chair: Hans Schneeweiss (Munich University, Germany)

Speakers: Ayanendranath Basu (Indian Statistical Institute, Calcutta)
“A Natural Goodness-of-fit Test for the Exponential Growth Curve Model”
S. Kulathinal (National Public Health, Finland)
“Bayesian Inference from Case-Cohort Data with Multiple End-Points”

Session 14: *Estimation*

Chair: Kuldeep Kumar (Bond University, Australia)

Speakers: Srabrashi Basu (Indian Statistical Institute, Calcutta)
“Looking For a More Accurate Estimate of Population Attributable Risk”
Sangeeta Arora (Panjab University Chandigarh)
“Moments of Lorenz Curve and Linear Measures of Inequality”

Session 15: *Young Scientists-I*

Chair: Ayan Basu (Indian Statistical Institute, Calcutta)

Speakers: Apratim Guha (University of California, Berkeley)
“Mutual Information Estimates and Issues with Standard Error”
A. Joardar (Reserve Bank of India, Mumbai)
“Analysis of Type-II Progressively Hybrid Censored Data”
A. Manglick (University of Passau, Germany)
“Discriminating Between Weibull and Log-Normal Distributions”

Session 16: *Young Scientists-II*

Chair: Amit Mitra (Indian Institute of Technology Mumbai)

Speakers: Bhupendra Gupta (Indian Institute of Technology Kanpur)
“Some Strong Law Results for Random Geometric Graph”
M. K. Patil (P.V.P. Mahavidyalaya Kavathe - Mahankal)
“Testing Parameters of Zero - Inflated Power Series Distributions and Application”
Anuj Mubayi (Arizona State University)
“Effects of Different Control Levels in Epidemic Model for New Emerging Diseases”