

Final Programme			
21.12.2016			
Registration	9 am- 10 am		
Inauguration	10 am-11 am	Chairman: Prof. Uttam Bandyopadhyay	
		Chairman, Organizing Committee, Professor & former Dean of Science, University of Calcutta	
Welcome Address	Prof. Manisha Pal	Head, Department of Statistics, University of Calcutta	
Inaugurator	Professor Shoutir Kishore Chatterjee	Former Professor & Head, Department of Statistics, University of Calcutta	
Chief Guest	Swami Suparnanandaji Maharaj	Secretary, Ramakrishna Mission Institute of Culture, Golpark	
Guest of Honour	Prof. Sanghamitra Bandyopadhyay	Director, Indian Statistical Institute	
Vote of Thanks	Prof. Asis Kumar Chattopadhyay	Convener, Organizing Committee	
Reminiscences	11 am -12 noon		
High Tea	12 noon- 12.30 pm		
Plenary Session P1	12.30 pm - 1.15 pm	Chair: Bikas K.Sinha	
	B.D.Nussbaum	President Elect, American Statistical Association	And Then I Told the President: How Statistics Are Used in Environmental Decision Making
Lunch	1.15 pm - 2.15 pm		
Plenary Session P2	2.15 pm - 3.00 pm	Chair: Partha Lahiri	
	J. Jiang	University of California, Davis, USA	A Unified Monte-Carlo Jackknife for Small Area Estimation after Model Selection
	3 pm- 4 pm		
Technical Session C1		Chair: Rahul Bhattacharya	
	RAB Abeygunawardana	University of Colombo, Sri Lanka	An Extended General Class of Predictors with Constrained Estimates for Small Area Estimation
	Arpita Basak	Gauhati University	Bayesian Inference on Traffic Intensity in the Multiserver Markovian Queue
	Durba Bhattacharya	St. Xavier's College, Kolkata	Effects of Gene-Environment and Gene-Gene Interactions in Case-Control Studies: A Novel Bayesian Semiparametric Approach
	Anamika Dutta	Gauhati University	A study on DNA Sequence of rice using Scoring Matrix method and ANOVA technique
Technical Session C2		Chair: B.D.Nussbaum	
	Mahendra Saha	Central University of Rajasthan	Bootstrap Confidence Intervals of Generalized Process Capability Index C_{pk}
	A.Rajaraman	Hindusthan University	Statistical approach to Issues in e-education and e-learning in a multi-lingual context
	Tannista Banerjee	Auburn University, Alabama, USA	The Impact of R&D Cooperations in Pharmaceuticals on Research Activities and Drugs Offered on the Market
	Tanmay Kumar Maity	Haldia Govt. College, West Bengal	Effect of Noise in Learning: A Simulation Study on Function Approximation
Technical Session C3		Chair: Sujit Ghosh	
	Debanjan Bhattacharjee	Utah Valley University, U.S.A.	Pseudo empirical likelihood weighted quadratic inference function to combine information from multiple Surveys
	Shyamsundar Sahoo	Haldia Government College	Graphical Methods for Comparisons of Two Populations
	Manas Ranjan Tripathy	National Institute of Technology Rourkela	Improved Estimation of Ordered Quantiles of Two Exponential Populations with a Common Location
	Debjit Sengupta	University of Calcutta	Analysis of misreported Poisson Counts
Technical Session C4		Chair: G. Jogesh Babu	
	Moumita Roy	University of Calcutta	Clustering for directional data
	Abisa Sinha	Bethune College, Kolkata	A Hybrid Monte Carlo Simulation to study the effect of binary fragments on the fragmentation of young massive clusters.
	Soumita Modak	University of Calcutta	Two phase formation of massive elliptical galaxies- study through spatio-parametric cross-correlation
	Kaushik Jana	Indian Statistical Institute, Kolkata	A statistical description of the spatial extent of a spell of rainfall

Coffee	4 pm-4.15 pm		
Special Sessions	4.15 pm- 6.15 pm		
		Chair: Bani Mullick	
Physical Science	G. Jogesh Babu	Pennsylvania State University, USA	introduction to Exoplanet detection and Statistical Challenges.
	Sanjeev Dhurandhar	IUCAA, Pune	Data Analysis Techniques for Gravitational Wave Astronomy
	Somak Raychaudhury	IUCAA, Pune	
	Sujit Ghosh	NC State University and SAMSU, USA	Semiparametric Estimation of the Mass-Radius Joint Distribution for Sub-Neptune Sized Planets
Design of Experiments		Chair: Rahul Mukerjee	
	Premadhis Das	Kalyani University	On Affine Alpha Resolvable Block Designs
	Manisha Pal	University of Calcutta	Optimum Mixture Designs in a Pharmaceutical Experiment
	Mausumi Bose	Indian Statistical Institute, Kolkata	Nested row-column designs for near factorial experiments
22.12.2016			
Plenary Session P3	9.45 am-11.15 am	Chair: N.K.Mandal	
	Bikas K.Sinha	Indian Statistical Institute, Kolkata	F AM NOT LICKED
	Bani Mullick	Texas A & M University, USA	Bayesian Gaussian Graphical Models and their extensions
Tea	11.15 am- 11.30 am		
	11.30 am - 1 pm		
Technical Session-A1		Chair: J.Jiang	
	Abhyuday Mandal	University of Georgia,USA	Small area estimation with mixture of random effects
	Anirban Bhattacharya	Texas A & M University, USA	Probabilistic community detection with unknown number of communities
	Anirban Mondal	Case Western Reserve University, USA	Bayesian inversion of a large spatial field using predictive process
Technical Session-A2		Chair: Arindam Sengupta	
	Parthasarathi Chakrabarti	R.K.M. Residential College, Kolkata	Semi parametric tests detecting suspected downturn at a specific dose level in a 2 x k cohort study
	Surajit Roy	University of Glasgow, United Kingdom	Integrated Framework for Analyzing Spatially Correlated Functional Data
	Dibyoyoti Bhattacharjee	Assam University, Silchar	Measuring Performance of Batting Partners in Limited Overs Cricket
	Siuli Mukhopadhyay	Indian Institute of Technology, Bombay	Designing longitudinal studies in the presence of dropouts
Technical Session-A3	Directional Statistics	Chair: Ashis Sengupta	
	Ong Seng Huat	University of Malaya, Kuala Lumpur, Malaysia	Construction of Bivariate Circular Distributions
	Arnab Laha	Indian Institute of Management, Ahmedabad	SB-Robust estimation of mean direction for Kato-Jones distribution
	Sungsu Kim	University of Louisiana at Lafayette, USA	A MULTIVARIATE CIRCULAR DISTRIBUTION WITH APPLICATIONS TO THE PROTEIN STRUCTURE PREDICTION PROBLEM
	Tanujit De	Cleveland Clinic,OHIO,USA	Analysis of Linear-Circular Responses: A Case Study
Lunch	1 pm-2.15 pm		
	2.15pm- 3.30 pm		
Technical Session-C5		Chair: Matt Wand	
	Avijit Maji	Reserve Bank of India & Indian Statistical Institute	Statistical Inference based on the Logarithmic Power Divergence
	Prayas Sharma	University of Petroleum and Energy Studies, Dehradun, India	Generalized Estimators Using Characteristics of Poisson distribution
	Bhauasheb G. Kore	Balwant College	On Construction of Prediction Interval for Weibull Distribution
	Hemant K. Verma	School of Management, IMS Unison University, Dehradun.	Estimation of Population Mean Using Exponential type Imputation technique for Missing observations
	Ambarish Chattopadhyay	Indian Statistical Institute, Kolkata	Estimating $P(X > \max(Y, Z))$ Unbiasedly Using Ranked Set Sampling

Technical Session- C6		Chair: Tapan Nayak	
	Vijay V. Siingh	Northwest University, Kano, Nigeria.	PERFORMANCE ASSESSMENT OF THREE UNIT REDUNDANT SYSTEM WITH ENVIRONMENTAL AND HUMAN FAILURE USING COPULA APPROACH
	Moutushi Chatterjee	Lady Brabourne College, Kolkata,	Impact of Multivariate Normality Assumption On Multivariate Process Capability Analysis Revisiting Sultan's (1986) Data
	Sanku Dey	St. Anthony's College, Shillong, Meghalaya	A New Extension of Gamma Distribution with Application to Left-Skewed Survival Data
	Gunjan Sharma	Punjabi University, Patiala	MODELLING AND ANALYSIS OF A STANDBY SYSTEM WITH CONCEPT OF LOAD SHARING
	Azharuddin	Pondicherry University, Puducherry,	Evaluation of Diagnostic Accuracy and its Standard Error using Constant Shape Weibull Mixture ROC Curve
Technical Session- C7		Chair: T.Dickhaus	
	Kulwant Singh Kapoor	All India Institute of Medical SCIENCES	KAPPA and WEIGHTED KAPPA[Agreement analysis method in case of continuous variable]
	Kulwinder Singh Parmar	Dr. B. R. Ambedkar National Institute of Technology,Jalandhar	Application of Least Square Support Vector Machine and Multivariate Adaptive Regression Spline In Long Term Prediction Modeling of River Water
	Amit Ghosh	Rajiv Gandhi Institute of Petroleum Technology, Rae Bareli	On Generalized Cumulative Kerridge Inaccuracy Measures for Conditionally Specified Models
	Sourav Das	Indian Institute of Technology, Roorkee+C150	Higher order derivatives of orthogonal polynomials related to F-distribution
	Khushboo Verma	University of Lucknow	Mixed type nondifferentiable higher order symmetric duality
Technical Session- C8		Chair: Thuan Nguyen	
	Y. B. Usman	Nasarawa, Nasarawa, Nigeria	DETECTION OF MULTIPLE OUTLIERS IN UNIVARIATE DATA SETS: AN APPROACH OF PROC ROBUSTREG AND MODIFIED MULTHALVER
	Preetam Nandy	ETH Zurich	Causal structure learning from high-dimensional observational data
	A. Satyanarayana Murthy	GITAM University, Hyderabad	PENALTY METHOD TO SOLVE A FULLY FUZZY TRANSPORTATION PROBLEM
	Deepshikha Deka	North Eastern Hill University, Shillong	Transmuted Exponentiated Gumbel Distribution
	Sahana Bhattacharjee	Gauhati University, Guwahati	Exploring the relationship between wind direction and speed through circular-linear density estimation: A case study
Coffee	3.30 pm-3.45 pm		
Special Sessions	3.45 pm- 5.45 pm		
		Chair: Subrata Kundu	
Biostatistics	T.Dickhaus	University of Bremen, Germany	COMBI - Combining high-dimensional classification and multiple hypotheses testing for the analysis of big data in genetics
	Debdeep Pati	Florida State University, USA	Online Forecasting of Lung Tumor Motion
	Joydev Chattopadhyay	Indian Statistical Institute, Kolkata	Some open problems in Ecological and Epidemiological issues – Mathematical models and experimental observations
	Samiran Sinha	Texas A & M University, USA	Semiparametric Bayesian Analysis of Censored Linear Regression with Errors-in-Covariates
		Chair: Arijit Chaudhuri	
Survey Sampling	Malay Ghosh	University of Florida, USA	Weight Modification in Sample Surveys: A Modeling Approach
	Tapan Nayak	George Washington University	Privacy and Confidentiality Protection via Randomization
	Partha Lahiri	University of Maryland, College Park, USA	Hierarchical Bayesian Rank Estimation for Small Areas
	Thuan Nguyen	Oregon Health & Science University, USA	Observed Best Prediction for Small Area Counts
Cultural Programme	6.00 pm - 7.30 pm		
Contributory Dinner	7.30 pm - 9.30 pm		
23.12.2016			
Plenary Session P4	10.15 am - 11.45 am	Chair: Malay Ghosh	
	Matt Wand	University of Technology Sydney, AUSTRALIA	Fast Approximate Inference for Arbitrarily Large Statistical Models via Message Passing
	Christian P. Robert	Université Paris-Dauphine, France	Testing hypotheses via a mixture estimation model
Tea	11.45 am-12 noon		
Technical Session A-4	12 noon-1 pm	Chair: Bhaswati Ganguli	

	Subrata Kundu	George Washington University, USA	Joint modeling of multiple skewed longitudinal processes and discrete survival time with application to fecundity studies
	Sourish Das	Chennai Mathematical Institute	Portfolio Analysis using Modified Dirichlet Process Prior
	Abhirup Dutta	Johns Hopkins University, USA	HIGH-RESOLUTION SPACE-TIME MAPS OF ENVIRONMENTAL POLLUTANTS USING SPARSE GAUSSIAN PROCESSES
Technical Session A-5		Chair: Manisha Pal	
	Mayetri Gupta	University of Glasgow, United Kingdom	A Bayesian latent variable approach to predicting differential methylation in bisulphite sequencing data
	Samiran Ghosh	Wayne State University	Adaptive Bayesian Design for Comparative Effectiveness Research with Binary Outcome
	Saurav De	Presidency University, Kolkata	Two-Treatment Covariate-Adjusted Response Adaptive Design for Bivariate Response
Technical Session A-6		Chair: Sugata Sen Roy	
	T.K. Chakrabarty	North Eastern Hill University	Assessment of nutritional status using probability models
	Sudhansu S. Maiti	Visva-Bharati University	On theoretical development and applications relating to Lindley distributed characteristic
	Sibnarayan Guria	West Bengal State University, Barasat	Modeling distorted probability in the light of Compositional Data Analysis
Lunch	1.00 pm-2.00 pm		
P.K.Bose Memorial Session	2.00 pm - 3.30 pm	Chair: S.P.Mukherjee	
	Tommy Wright	U. S. Bureau of the Census	NO CALCULATIONS WHEN OBSERVATIONS CAN BE MADE
	Ashis Sengupta	Indian Statistical Institute, Kolkata	High Volatility, Multimodal Heavy Tail Distributions and Directional Statistics
	Ashis Chakrabarty	Indian Statistical Institute, Kolkata	Problem solving using Statistics: Some Examples
Coffee	3.30 pm- 3.45 pm		
	3.45 pm- 5.00 pm		
Technical Session-C9		Chair: Christian P. Robert	
	Sucharita Roy	St. Xavier's College, Kolkata	A Bayesian Approach to Determination of Convergence, Divergence and Oscillation of Infinite Series with application to Riemann Hypothesis
	Suparna Basu	University of Burdwan, Burdwan	An Alternative Bayesian Estimation technique for Hybrid Type-I Censored data
	Trisha Maitra	Calcutta University	On Classical and Bayesian Asymptotics in State Space Stochastic Differential Equations
	Umme Afifa	Central University of Rajasthan	BAYESIAN ANALYSIS OF UNIT ROOT TESTING FOR PANEL DATA IN THE PRESENCE OF TIME EFFECT: AN EXPLORATION WITH REAL DATA
	Antik Chakraborty	Texas A&M University, USA	Simultaneous dimension reduction and variable selection: a posterior summary approach
Technical Session-C10		Chair: Jadab K.Das	
	Muhammad Azam	University of Veterinary and Animal Sciences Lahore, Pakistan	Dependent State Exponentially Weighted Moving Average Control Chart using Regression Estimator Based on Ranked Set Sampling
	Surya K. Pal	Vikram University, Ujjain	ESTIMATION OF FINITE POPULATION MEAN THROUGH A TWO-PARAMETER-RATIO-PRODUCT-RATIO ESTIMATOR IN TWO-PHASE SAMPLING USING AUXILIARY INFORMATION IN PRESENCE OF NON-RESPONSE
	Muneer Shaik	Institute for Financial Management and Research	Robust Estimation of Volatility Using Extreme Values of Asset Prices
	Pratap Chandra Pati	IIT Kharagpur	Time-varying Conditional Heteroscedasticity and Trading Volume in the Stock Index Futures: Evidence from Emerging and Developed Markets
	Somil Rastogi	Indian Statistical Institute, Kolkata	EFFICIENCY IMPROVEMENT IN FIBER-FILLER RECOVERY
Technical Session-C11		Chair: Ashis Chakrabarty	
	Bonoshree Saikia	North Eastern Hill University, Shillong	A DYNAMIC PROGRAMMING TECHNIQUE FOR LEAST SQUARE PROBLEMS
	Ashok Kumar Singh	Chiltern Clinical Research India Pvt Ltd, Bangalore	Analysis of Masked Series System Lifetime Data From a Family of Lifetime Distributions
	Umamaheswari.S	Bharathiar University, Coimbatore	CONSTRUCTION AND SELECTION OF BAYESIAN SKIP-LOT SAMPLING PLAN WITH SINGLE SAMPLING PLAN AS REFERENCE PLAN USING RESAMPLING METHODOLOGY

	Dreamlee Sharma	North Eastern Hill University, Shillong	The quantile-based skew logistic distribution with applications
Technical Session-C 12		Chair: Sudhansu S. Maiti	
	Subhadeep Mukhopadhyay	National Institute of Technology, Arunachal Pradesh	Application of the Principle of Statistics in Fluid Mechanics
	Manoshi Phukon	North Eastern Hill University, Shillong	A Study on Increment-Decrement Life Table for the Transition of Labour Force Status of India
	Mompi Sharma	Gauhati University, Guwahati	SOME ASPECTS OF CAUSE SPECIFIC LIFE TABLE UNDER DYNAMIC SET UP
	Debajyoti Bora	Dibrugarh University, Dibrugarh	A Predictive Model to Estimate the Risk of Infant Mortality
Valedictory Session:	5.00 pm- 5.30 pm	Aditya Chatterjee	