

Scientific Program (Based on Time)

October 10, 2013				
3:00 pm – 7:00 pm	Registration	Grand Foyer		
October 11, 2013				
7:00 am – 5:00 pm	Registration	Grand Foyer		
7:00 am – 8:00 am	Breakfast	Ojibway Room, Three Fires Room		
8:00 am – 8:15 am	Welcome Remark	CMU President Dr. George Ross	Three Fires Room	
8:30 am – 9:30 am	Keynote #1	Narayanaswamy Balakrishnan Likelihood Inference for Some Flexible Cure Rate Survival Models	Three Fires Room	
	Chair	Felix Famoye		
9:30 am – 9:40 am: Intermission				
9:40 am – 11:00 am	S1: Modeling I Chair: Mavis Pararai	Ojibway Room	S2: Distribution & Inference I Chair: Mohamed Amezziane	Three Fires Room
9:40 am – 10:00 am	S1-1: Tao Lu Nonlinear mixed-effects HIV dynamic models with considering left-censored measurements		S2-1: Anant Godbole Waiting time distribution for the emergence of superpatterns	
10:00 am – 10:20 am	S1-2: Ahmad Flaih Regression analysis with errors from epsilon skew double Inverted Weibull Distribution		S2-2: Kunio Shimizu Transforming the von Mises-Fisher distribution via generalized Möbius transformation	
10:20 am – 10:40 am	S1-3: Casey Jelsema Robust estimation and fitting of reduced rank spatial model to large data sets		S2-3: Sunghoon Chung Nonparametric bootstrap estimation for ruin probabilities in the Cramer-Lundberg model	
10:40 am – 11:00 am	S1-4: Heleno Bolfarine Doubly censored regression models		S2-4: Serge Provost Modified saddlepoint approximations and empirical extensions	
11:00 am -11:10 am: Intermission				
11:10 am – 12:10 pm	S3: Distribution I Chair: Ayman Alzaatreh	Ojibway Room	S4: Application I Chair: Jungsywan Sepanski	Three Fires Room
11:10 am – 11:30 am	S3-1: Mohammad Aziz Comonotonic lower convex order bound approximations for the sum of log unified skew normal random variables with applications in finance and insurance		S4-1: Marcus Jobe Detection of multivariate outliers using a cluster-based approach	
11:30 am – 11:50 am	S3-2: Melissa Bingham Distributions for three-dimensional rotation data		S4-2: Steve Robinson Determining individual baseball contributions from team run distributions	
11:50 am – 12:10 pm	S3-3: Alfred Akinsete The Kumaraswamy-geometric distribution		S4-3: Dila Ram Bhandari Statistical Forecasting: Analytical Tools	
12:10 pm – 1:30 pm	Lunch	Ojibway Room, Three Fires Room		

1:30 pm – 2:30 pm	Plenary Session A Chair: John Daniels		Three Fires Room
1:30 pm – 2:00 pm	Plenary #A1	Ramesh Gupta General frailty model in survival analysis	
2:00 pm – 2:30 pm	Plenary #A2	Joseph McKean Efficient Rank-Based Fits for Linear Models with Skewed-Normal Errors	
2:30 pm – 2:45 pm: Intermission			
2:45 pm – 3:45 pm	S5: Application II Chair: Broderick Oluyeke	Ojibway Room	S6: Bayesian I Chair: Chin-I Cheng Three Fires Room
2:45 pm – 3:05 pm	S5-1: Ashish Das Optimal supersaturated designs and applications		S6-1: Eustasius Musenge Bayesian multistate chronic disease, dynamic modelling: An application to a South African rheumatoid arthritis diseased cohort
3:05 pm – 3:25 pm	S5-2: Haim Shore A general model of random variation		S6-2: Arpita Chatterjee Fitting a piecewise exponential model for the reliability of repairable systems using hierarchical Bayesian approaches
3:25 pm – 3:45 pm	S5-3: Chinwe Nwosu The distribution of the inverse square root transformed error component of the multiplicative time series model		S6-3: Mingan Yang Bayesian variable selection for mixed effects model with shrinkage prior
3:45 pm – 4:00 pm: Intermission			
4:00 pm – 5:00 pm	S7: Distribution II Chair: Mavis Pararai	Ojibway Room	S8: Modeling II Chair: Mohamed Amezziane Three Fires Room
4:00 pm – 4:20 pm	S7-1: Kimberly Sellers Introducing the Conway-Maxwell-Skellam distribution for differences in count data containing common dispersion levels		S8-1: Adebayo Agunbiade Parameter estimation and investigation of the t-ratio in determining the presence of multicollinearity in a regression model
4:20 pm – 4:40 pm	S7-2: Ahmad Reza Soltani Adjusted Method of Moments Estimators for Power Distribution Parameters and Their Limiting Distributions		S8-2: Jiancheng Jiang Inference for Multivariate Time-varying Coefficient Regression Models
4:40 pm – 5:00 pm	S7-3: Wolf-Dieter Richter Geometric disintegration method		S8-3: Armin Schwartzman Geometric means of positive definite matrices and the matrix-variate log-normal distribution
5:10 pm – 6:00 pm	Student Poster Presentation		Anishnabeg Room
6:15 pm – 7:30 pm	Welcome Dinner		Ojibway , Three Fires
7:30 pm – 8:30 pm	Keynote #2	Paul L. Speckman Smoothing with Cauchy process priors and Cauchy errors	Three Fires Room
	Chair	Chin-I Cheng	
8:30 pm	Gift Draw I	Jungsywan Sepanski	Three Fires Room

October 12, 2013

7:00 am – 5:00 pm	Registration	Grand Foyer		
7:00 am – 8:20 am	Breakfast	Ojibway Room, Three Fires Room		
8:30 am – 9:30 am	Keynote #3	Chris Jones	Three Fires Room	
	Chair	Families of unimodal distributions on the circle Marcus Jobe		
9:30 am – 9:40 am: Intermission				
9:40 am – 11:00 am	S9: Distribution – Multiv. Chair: K. Cooray	Ojibway Room	S10: Statistical Inference Chair: Mavis Pararai	Three Fires Room
9:40 am – 10:00 am	S9-1: Leda Minkova On the bivariate Polya-Aeppli distributions		S10-1: David Ruth A multivariate two-sample test using regular minimum-weight spanning subgraphs	
10:00 am – 10:20 am	S9-2: Indranil Ghosh A new class of bivariate and multivariate weighted exponentiated- exponential distribution		S10-2: Khairul Islam On confidence interval estimators of multilevel attributable risk in cross-sectional studies	
10:20 am – 10:40 am	S9-3: Jose Maria Sarabia Bivariate beta-generated distributions with applications to well-being data		S10-3: Tanweer Shapla On tests of hypotheses following transformations: An application to Two-sample t-test	
10:40 am – 11:00 am	S9-4: Gwo Dong Lin Recent developments on the construction of bivariate distributions with fixed marginals			
11:00 am -11:10 am: Intermission				
11:10 am – 12:10 pm	S11: Distribution III Chair: Akinsete Alfred	Ojibway Room	S12: Inference and Simulation Chair: John Daniels	Three Fires Room
11:10 am – 11:30 am	S11-1: Mavis Pararai Properties of the weighted generalized Lindley and Related distributions		S12-1: Manoj Chacko Extreme ranked set sampling and its applications in parametric estimation	
11:30 am – 11:50 am	S11-2: Broderick Oluyede Weighted Dagum-Weibull and related distributions with applications to lifetime data		S12-2: Peng Zeng Sampling for a distribution with complicated data structure	
11:50 am – 12:10 pm	S11-3: Ayman Alzaatreh T-normal family of distribution: A new approach for generalizing the normal distribution		S12-3: Todd Headrick Simulating continuous univariate and multivariate non-normal distributions based on the method of L-moments and L-comoments	
12:10 pm – 1:30 pm	Lunch	Ojibway Room, Three Fires Room		

1:30 pm – 2:30 pm	Plenary Session B Chair: Akinsete Alfred		Three Fires Room
1:30 pm – 2:00 pm	Plenary #B1	Ram Tripathi A new generalized negative binomial distribution based on Stacy's gamma and an overview of other generalizations of negative binomial distribution	
2:00 pm – 2:30 pm	Plenary #B2	Evdokia Xekalaki On the distribution theory of over-dispersion	
2:30 pm – 2:45 pm: Intermission			
2:45 pm – 3:45 pm	S13: Application III Chair: Marcus Jobe	Ojibway Room	S14: Distribution IV Chair: K. Cooray Three Fires Room
2:45 pm – 3:05 pm	S13-1: Kei Inoue On the quantum zeno Effect and time series		S14-1: Papadimitriou Dimitrios Analysis of lifetime data for distributed systems subject to shared (hidden) risks by means of generalized multivariate model
3:05 pm – 3:25 pm	S13-2: Abdinur Ali Statistical coding theory and digital communications		S14-2: Fei Tan The slash and skew-slash student t distributions
3:25 pm – 3:45 pm	S13-3: Boyan Dimitrov The ALM distributions and their use in applied probability modeling		S14-3: Min Wang A new three-parameter lifetime distribution and associated inference
3:45 pm – 4:00 pm: Intermission			
4:00 pm – 5:00 pm	S15: Distribution & Infer. II Chair: Broderick Oluyede	Ojibway Room	S16: Bayesian II Chair: Ayman Alzaatreh Three Fires Room
4:00 pm – 4:20 pm	S15-1: Kayode Ayinde Application of binomial distribution with a shift parameter in one sample parametric test statistics		S16-1: Marco Ferreira Bayesian analysis for exponential power regression models
4:20 pm – 4:40 pm	S15-2: Mohamed Amezziane Generating high-tailed distributions through convolution of characteristic Functions		S16-2: Golnaz Shahtahmassebi Bayesian modeling of integer data using the generalized Poisson difference distribution
4:40 pm – 5:00 pm	S15-3: Deniz Akdemir Likelihood estimation with partially observed array variate observations		S16-3: Chin-I Cheng Bayesian Estimators of the Lognormal-Pareto Composite Distribution
5:45 pm – 7:00 pm	Farewell Dinner		Ojibway , Three Fires
7:00 pm – 7:15 pm	Closing Remarks	Professor En-Bing Lin	Three Fires Room
7:15 pm – 8:15 pm	Keynote #4	Barry C. Arnold Univariate and multivariate Pareto models: structure and inference	Three Fires Room
	Chair	Carl Lee	
8:15 pm	Gift Draw II	Jungsywan Sepanski	Three Fires Room
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