

**International Virtual Conference on Advances in Statistics**  
**Honoring the Contributions of Barry C. Arnold in Statistical Science**  
**May 7 – 8, 2021(Friday – Saturday)**

**Conference Program**

**May 7, 2021 (Friday) (in Eastern Time)**

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| 10:15 – 10:30 A.M. | Opening (N. Balakrishnan, I. Ghosh, and H. K. T. Ng)   |
| 10:30 – 10:45 A.M. | Professor Xinping Cui (Chair, Department of Statistics, UC Riverside)  |
| 10:45 – 11:00 A.M. | Professor Barry C. Arnold (Guest of Honor)   |
| 11:00 – 12:30 P.M. | <b>Session 1 (3 talks)</b>   |
| 11:00 – 11:30 A.M. | <b>N. Balakrishnan:</b> Cumulative residual and relative cumulative residual Fisher information and their properties |
| 11:30 – 12:00 P.M. | <b>Haikady N. Nagaraja:</b> Large-Sample Properties of Jackknife Estimators of the Variance of a Sample Quantile     |
| 12:00 – 12:30 P.M. | <b>Carlos A. Coelho:</b> On the Distribution of the Product of Independent Beta Random Variables — Applications      |
| 12:30 – 12:45 P.M. | <b>Discussions</b>   |
| 12:45 – 1:15 P.M.  | <b>Break</b>   |

1:15 – 3:00 P.M.                      **Session 2 (3 talks)**

1:15 – 1:45 P.M.                      **Jose Maria Sarabia and Enrique Castillo:** Our Joint Work with Barry Arnold: Conditional Specification and Other Topics

1:45 – 2:15 P.M.                      **Harry Joe:** Tail Behavior for Bivariate Distributions Based on Pareto Mixtures

2:15 – 2:45 P.M.                      **Marc Genton:** Tractable Bayes of Skew-Elliptical Link Models for Correlated Binary Data

2:45 – 3:00 P.M.                      **Discussions**

3:00 – 3:15 P.M.                      **Break**

3:15 – 4:30 P.M.                      **Session 3 (2 talks)**

3:15 – 3:45 P.M.                      **Indranil Ghosh:** Hidden Truncation in Non-normal Models: A Brief Survey

3:45 – 4:15 P.M.                      **Glen Meeden:** A Bayesian Approach to Cluster Sampling Under Simple Random Sampling

4:15 – 4:30 P.M.                      **Discussions**

**May 8, 2021 (Saturday) (in Eastern Time)**

**10:00 – 11:45 A.M.      Session 4 (3 talks)**

10:00 – 10:30 A.M.      **Nozer D. Singpurwalla:** What is a Statistical Model, Where do Such Models Come From, and How Do they Spawn a Likelihood Function?

10:30 – 11:00 A.M.      **Tomasz Rychlik:** Properties of System Lifetime in the Classical Model with I.I.D. Exponential Component Lifetimes

11:00 – 11:30 A.M.      **Debasis Kundu:** A Simple Step-Stress Model for Lehmann Family of Distributions

11:30 – 11:45 A.M.      **Discussions**

**11:45 – 12:00 P.M.      Break**

**12:00 – 1:45 P.M.      Session 5 (3 talks)**

12:00 – 12:30 P.M.      **Ashis SenGupta:** Model-Based Clustering for Cylindrical Data

12:30 – 1:00 P.M.      **Aman Ullah:** A Flexible Information Theoretic Approach for Inference of Multiple Regression Function and Marginal Effects

1:00 – 1:30 P.M.      **Gyuhyeong Goh:** Bayesian Model Assessment and Selection Using Bregman Divergence

2:00 – 2:15 P.M.      **Discussions**

**2:15 – 3:00 P.M.      Break**

3:00 – 4:15 P.M.    **Session 6 (2 talks)**

3:00 – 3:30 P.M.            **William Q. Meeker:** Assessment of Distributional Goodness-of-Fit for Modeling the Superposition of Renewal Process Data

3:30 – 4:00 P.M.            **Hon    Keung    Tony    Ng:** Nonparametric Approximation Methods for the First-Passage Time Distribution for Degradation Data Measured with Unequal Time Intervals

4:00 – 4:15 P.M.            **Discussions**

4:15 – 4:30 P.M.    **Closing**