OSD2022

14th International Conference on Ordered Statistical Data

Conference Programme

Monday 23rd May

18:00 – 20:00	Registration

Tuesday 24th May

8:00 – 9:00	Registration

9:00 – 9:30	Opening Ceremony

9:30 - 11:00 **Session 1** – *Dependence and copulas*
Chairman: Miguel Angel Sordo

- Felix Belzunce: *"Recent advances in the comparison of dependent random variables"*
- Florentina Suter: *"Some Information Measures for the Concomitants of m-GOS from a Gumbel's Bivariate Exponential Distribution"*
- Jorge Navarro: "*Predicting record values by using bivariate distortions*"

11:00 – 11:30	Coffee break

11:30 – 13:00 **Session 2** – *Reliability Theory and Measures of Discrimination*
Chairman: Francesco Buono

- Antonio Di Crescenzo: *"Some results on the weighted mean inactivity time function"*
- Agnieszka Goroncy: *"Bounds on expected order statistics based on the monotone reversed failure rate distributions"*
- Francesco Buono: "*A unified formulation of entropy and its application"*

13:00 – 14:45	Lunch

14:45 – 15:45 **Plenary Talk**

Narayanaswamy Balakrishnan, McMaster University, Canada
On Linear Prediction
Chairman: Felix Belzunce

15:45 – 16:15	Coffee break

16:15 – 18.15 **Session 3** – *Censored data and record values*
Chairman: Erhard Cramer

- Stefan Bedbur; *"Confidence bands for exponential distribution functions under progressive type-II censoring"*
- Nikolay Nikolov: *"Spacings in a step-stress model with censored exponential life-Times"*
- Erhard Cramer: *"Structural properties of (progressive) hybrid censoring schemes"*
- Christina Empacher: *"Prediction of Future Sports Records Based on Record Values"*

19:30	Cocktail dinner

Wednesday 25th May

8:30 – 9:00	Registration

9:00 – 11:00 **Session 4** – *Stochastic orders and order statistics*
Chairman: Tomasz Rychlik

- Alfonso Jose Bello Espina: *"Relaxing the increasing convex order: po-tail value at risk order"*
- Enrico Scalas: *"Continuous-time statistics and generalized relaxation equations"*
- Miguel Angel Sordo: "*Comparing strong risk aversion in Yaari's dual theory of risk"*
- Patricia Ortega Jimenez: *"Comparisons of VaR and CoVaR in terms of the value of the conditional variable"*

11:00 – 11.30	Coffee break

11:30 – 13:00 **Session 5** - *Poster Session:*

Francesco Buono; Camilla Calì; Marco Capaldo; Virginia Giorno; Fabian Kachele; Antonio Lepore, Claudio Macci; Enrica Pirozzi; Nuria Torrado.

13:00 – 15:00	Lunch

15:00 – 16:00 Plenary Talk

Fabio Spizzichino, Università degli Studi di Roma "La Sapienza", Italy
The method of multivariate conditional hazard rates: recent developments and applications.
Chairman: Maria Longobardi

16:00– 16.30 Coffee break

16:30 – 18:00 **Session 6**: - *In honour of Fabio Spizzichino*
Chairs: Franco Pellerey and Maria Longobardi

- Emilio De Santis: *"Paradoxical aspects in probability, game theory and voting theory"*
- Rachele Foschi: *"Reversing Conditional Orderings"*
- Giovanna Nappo: *"Minimally stable lifetimes: marginal distributions of order statistics by means of m.c.h.r functions and DD copulas"*

20:00 Gala dinner

Thursday 26th May

8:45 – 9:45 Plenary Talk

Alfonso Suárez-Llorens, Universidad de Cádiz, Spain
Characterization of distributions based on shape measures
Chairman: Antonio Di Crescenzo

9:45 – 11:15 **Session 7**: - *Some results related to the convex transform order*
Chairman: Tommaso Lando

- Idir Arab: *"Some properties of a class that contains increasing failure rate distributions"*
- Beatriz Santos: *"A new criterion for star-shaped order and some applications"*
- Tommaso Lando: *"Increasing concave comparisons of order statistics with a nonparametric testing approach"*

11:15 - 11:45 Coffee break

11:45 – 13:15 **Session 8** – *Estimation and DOE*
Chairman: Anna Dembinska

- Katherine Davies: *"Stochastic EM Algorithm for Generalized Exponential Cure Rate Model and an Empirical Study"*
- Omer Ozturk: *"Order Restricted Randomization in Agricultural Field Experiments"*
- Anna Dembińska: *"Maximum likelihood estimators based on discrete component lifetimes of a k-out-of-n system"*

13:15 – 15:00	Lunch

15:00 – 20:00	Guided tour to Amalfi coast

Friday 27th May

8:30 – 9:30 Plenary Talk (on-line)

Peng Zhao, Jiangsu Normal University, PR of China
"*Assessing Cyber Risks of PMU Network in a Smart Grid"*
Chairman: Franco Pellerey

9:30 – 11:00 **Session 9** – – *Reliability and Aging*
Chairman: Jorge Navarro

- Marta Sánchez Sánchez: *"A multivariate class of priors based on stochastic orders with application in reliability engineering"*
- Magdalena Szymkowiak: *"Sufficient and necessary conditions on system signatures assuring that the systems lifetimes preserve distributional properties of their components"*
- Gema Pigueras: *"Comparisons of relative spacings of order statistics in terms of the expected proportional shortfall order"*

11:00 – 11:15	Coffee break

11:15 – 13:15 **Session 10** - *Record values and extreme values*
Chairman: Udo Kamps

- Tomasz Rychlik: *"Bounds on moments of record values from iid continuous life distributions"*
- Diana Rauwolf: *"A record-values property associated with a renewal process"*
- Amir Khorrami Chokami: "*Extremal dependence between maxima of concomitants*"
- Marie Kratz: "*Multi-Normex approach based on ordered statistics for evaluating the sum of heavy tailed random vectors"*

13:15– 13:30 **Closure Ceremony**

13:30 – 15:00	Lunch