OSD2018

13th International Conference on Ordered Statistical Data

Conference Programme

Monday - 21st May

18:00 - 21:00 Registration

Tuesday - 22nd May

8:00 - 9:00 Registration

9:00 - 9:30 Opening Ceremony

9:30 - 10:30 Plenary talk
Chairman: **Haikady N. Nagaraja**

> Keynote Speaker: **N. Balakrishnan**
> *Order Statistics and Symmetry*

10:30 - 11:10 Session 1 - quantile estimation
Chairman: **N. Balakrishnan**

> Speaker: **Chaitra H. Nagaraja**
> *A New Distribution-Free Method for Constructing Confidence Intervals for Quantiles*
>
> Speaker: **Haikady N. Nagaraja**
> *Large-Sample Properties of Jackknife Estimators of the Variance of a Sample Quantile*

11:10 - 11:40 Coffee Break

11:40 - 13:20 Session 2 - inference
Chairman: **Hon Keung Tony Ng**

   Speaker: **Hanaa H. Abu-Zinadah**
   Goodness-of-Fit Tests for The Exponentiated Gompertz Distribution

   Speaker: **Magdy E. El-Adll**
   A Novel Concept of a Stable Random Sample with Inference Based on
   Two-Parameter Exponential Generalized Order Statistics: Comparative Study

   Speaker: **Marcus Johnen**
   A likelihood equation for Weibull sequential order statistics

   Speaker: **Manoj Chacko**
   Inference on $P(X > Y)$ for bivariate normal distribution based on record values

   Speaker: **Hon Keung Tony Ng**
   Robust Parametric Estimation for Component Reliability based on System Lifetime
   Data

13:20 - 13:30 Where is the restaurant?

13:30 - 15:30 Lunch

15:30 - 16:50 Session 3 - asymptotic theory
Chairman: **Haroom M. Barakat**

   Speaker: **Artem Kovalevskii**
   Asymptotics of an empirical bridge of a regression on concomitants

   Speaker: **Anna Dembińska**
   A strong limit law for proportions of near-maximum insurance claims under
   stationarity

   Speaker: **El Sayed M. Nigm**
   Asymptotic distributions of record values under exponential normalization
   stationarity

   Speaker: **Haroom M. Barakat**
   Asymptotic behavior of the maximum of multivariate order statistics in a norm
   sense

16:50 - 17:20 Coffee Break

17:20 - 18:00 Session 4 - ranked data sampling
Chairman: **Eugenia Stoimenova**

Speaker: **Nikolay I. Nikolov**
Mallows' models for imperfect rankings in ranked set sampling

Speaker: **Eugenia Stoimenova**
Distance-based models for partial rankings

18:00 Welcome Reception

Wednesday - 23rd May

8:00 - 9:00 Registration

9:00 - 10:00 Plenary talk
Chairman: **Jorge Navarro**

Keynote Speaker: **Udo Kamps**
Order statistics with memory

10:00 - 11:00 Session 5 - distribution theory - characterizations
Chairman: **Mariusz Bieniek**

Speaker: **P. Yageen Thomas**
A Family of Random Variables Generated by a New Ordering Mechanism and Some of Its Applications

Speaker: **Magdalena Szymkowiak**
Generalized aging intensity

Speaker: **Mariusz Bieniek**
Uniqueness of characterization of discrete distributions by single regression of weak records

11:00 - 11:30 Coffee Break

11:30 - 13:30 Session 6 - stochastic orders and reliability
Chairman: **Jafar Ahmadi**

Speaker: **Antonio Arriaza**
Stochastic comparisons of replacement policies in coherent systems under minimal repair

Speaker: **Camilla Calì**
Comparison results for inactivity times of systems under double monitoring

Speaker: **Maria Longobardi**
Coherent systems with dependent components: comparison results for inactivity times

Speaker: **Marco Burkschat**
On the dependence structure of failure-dependent lifetimes

Speaker: **Fatih Kızılaslan**
Stochastic comparisons of series and parallel systems with Gumbel distributed components

Speaker: **Jafar Ahmadi**
Stochastic orderings among general proportional mean past lifetime frailty models

13:30 - 15:30 Lunch

15:30 - 16:30 Session 7 - progressive censoring - time varying stress models
Chairman: **Stefan Bedbur**

Speaker: **Alaa H. Abdel-Hamid**
Inference for a geometric-poisson-Rayleigh distribution under progressive-stress accelerated life tests based on type-I progressive hybrid censoring with binomial removals

Speaker: **Coşkun Kuş**
Statistical Inference for Kumaraswamy Distribution under Progressive Censoring Sample

Speaker: **Stefan Bedbur**
Testing the validity of a link function assumption in repeated type-II censored general step-stress experiments

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16:30 - 17:00 Coffee Break

17:30 - 20:30 Guided tour to explore the city of Cádiz

20:30 Cocktail dinner

Thursday - 24th May

9:00 - 10:00 Plenary talk
Chairman: **Miguel A. Sordo**

Keynote Speaker: **Jorge Navarro**
Minimal repair of failed components in coherent systems

10:00 - 11:00 Session 8 - Advances in statistical modelling
Chairman: **Pepa Ramírez-Cobo**

Speaker: **Ignacio Cascos**
Process monitoring of a shifted exponential distribution through the origin-scale depth

Speaker: **Yoel G. Yera**
A bidimensional Markovian arrival process

Speaker: **Pepa Ramírez-Cobo**
Modeling the Operational Risk via Batch Markovian arrival processes

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11:00 - 11:30 Coffee Break

11:30 - 13:30 Session 9 - stochastic orders and applications
Chairman: **Félix Belzunce**

Speaker: **Miguel A. Sordo**
Stochastic orders and co-risk measures under positive dependence

Speaker: **Julio Mulero**
New stochastic comparisons based on tail values at risk

Speaker: **Alba M. Franco-Pereira**
A bootstrap algorithm for testing decreasing median residual life

Speaker: **Carolina Martínez-Riquelme**
Sufficient conditions for some transform orders

Speaker: **Gema Pigueiras**
A family of premium principles based on order statistics

Speaker: **Félix Belzunce**
A new preference type order for the stochastic dominance of dependent random variables

13:30 - 15:30 Lunch

15:30 - 16:50 Session 10 - Bayesian inference
Chairman: **Inmaculada Barranco-Chamorro**

Speaker: **Alfonso Suárez-Llorens**
A class of prior applied to different premium principles

Speaker: **Marta Sánchez-Sánchez**
A bivariate class of priors applied to the estimation of the gamma distributions

Speaker: **Yee Lam Mo**
Bayesian analysis for the system lifetimes under Gumbel copulas of Weibull component lifetimes

Speaker: **Inmaculada Barranco-Chamorro**
Use of Linex loss function in progressively type-II censored samples

16:50 - 17:20 Coffee Break

17:20 - 18:20 Session 11 - distribution theory
Chairman: **Tomasz Rychlik**

> Speaker: **Antonia Castaño-Martínez**
> *Exceedances of records*

> Speaker: **Andrzej Okolewski**
> *Extremal properties of order statistic distributions for samples with partially known multidimensional marginals*

> Speaker: **Tomasz Rychlik**
> *Upper and lower bounds on the variances of linear combinations of kth records*

20:30 Gala dinner

Friday - 25th May

10:00 - 11:00 Plenary talk
Chairman: **Alfonso Suárez-Llorens**

> Keynote Speaker: **Fernando López-Blázquez**
> *Number of δ-records: exact and asymptotic distribution theory*

11:00 - 11:30 Coffee Break

11:30 - 12:50 Session 12 - distribution theory - order statistics
Chairman: **Jacek Wesolowsky**

> Speaker: **Ali İ. Genç**
> *Quotient of Order Statistics from Triangular Distribution*

Speaker: **Zaher Abo-Eleneen**
On Some Applications of Cumulative Residual Entropy of Progressively Censored Order Statistics

Speaker: **Massoumeh Fashandi**
Some characterization results of symmetric distributions based on the properties of order statistics and records

Speaker: **Yousry H. Abdelkader**
Order statistics of Pearson III with applications to stochastics activity network

Speaker: **Jacek Wesolowsky**
Order statistics from overlapping samples: bivariate densities and regression properties

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12:50 - 13:30 Closing ceremony

13:30 - 15:30 Lunch

IMPORTANT INFORMATION:

- Registration, welcome reception and coffee breaks will be at the **Entrance Hall** of the Faculty of Nursing and Physiotherapy (University of Cádiz).

- All talks will be at the **Conference Room** of the Faculty of Nursing and Physio-therapy (University of Cádiz).

- The cocktail dinner will be at the Faculty of Economics and Business (University of Cádiz).

- All lunches will be at "Arteserrano" Restaurant.

- The Gala dinner will be at "Balandro" Restaurant.

Scan the QR code with your smartphone to see the location in a map.

Faculty of Nursing and Physiotherapy (University of Cádiz)
Avenida Ana de Viya, 52; 11009 Cádiz

Faculty of Economics and Business (University of Cádiz)
Avenida Enrique Villegas Vélez, 2; 11002 Cádiz

"Arteserrano" Restaurant
Paseo Marítimo, 2, 11010 Cádiz

"Balandro" Restaurant
Alameda de Apodaca, 22, 11004 Cádiz