OSD2018

13th International Conference on Ordered Statistical Data

Conference Programme
Monday - 21\textsuperscript{st} May

18:00 - 21:00  Registration

Tuesday - 22\textsuperscript{nd} 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**

16:30 - 17:00  Coffee Break

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

20:30  Cocktail dinner

---

**Thursday - 24\(^{th}\) 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**
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_

---

**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 Physiotherapy (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