Friday—October 15

09.00–10:00	**António Pacheco** Level crossing ordering of stochastic processes **Chair**: Dulce Gomes	*Templo de Diana* Room

	Conference Room A	**Conference Room B**
	Statistical Analysis of Animal Density and Abundance—II Chair: Andy Lynch	**Risk and Tail Events** Chair: Jessica Lomba
10:00–10:20	*Iúri Correia* Estimating caribou abundance in West Greenland using distance sampling methods	*Renata Alcoforado* Risk model with dependent frequency and severity, premium and ruin probability calculation
10:20–10:40	*Tiago Marques* Estimating sperm whales echolocation click production rates to inform passive acoustic density estimation	*Pedro Serrasqueiro* Contributions to the diagnosis of skewness and kurtosis
10:40–11:00	*João Ribeiro* Estimating probability of detection of Blaineville's beakedwhales (Mesoplodon densirostris) groups using regression models	*Domingos Silva* The impact of wind speed on athletics triple-jump—an approach with the r largest order statistics
11:00–11:20	*Russell Alpizar-Jara* Distributional properties of the Lincoln–Petersen-like estimators under extreme lower recapture values	*Manuela de Souto Miranda* A robust hurdle Poisson model in the estimation of the extremal index
11:20–11:30	**Break**	

	Inference for Extreme Values Chair: Ana Freitas	**Robust Methods and Techniques** Chair: Vanda Lourenço
11:30–11:50	*Soraia Pereira* Bayesian lasso tail index regression	*Conceição Amado* Robust alternatives of the hurdle model with Poisson regression
11:50–12:10	*Paulo M. M. Rodrigues* Tail index estimation in the presence of covariates	*Anabela Rocha* A robust version of the FGLS estimator for panel data
12:10–12:30	*Junho Lee* Bayesian semi-parametric inferences for covariate-adjusted extreme-value copula …	*Ana Martins* Outlier detection in histogram-valued variables
12:30–12:50	*Frederico Caeiro* Adaptive estimation of the extreme value index with probability weighted moments	*Rasool Taban* RM-SMOTE: A new robust balancing method
13:00–14:00	**Lunch & Social**	

	IS RBRAS (Brazilian Region of the International Biometric Society) Organizer / Chair: P. C. Rodrigues	**IS Banco de Portugal (BdP, Portuguese Central Bank): Contributions of BdP to Research** Organizer / Chair: Rita Sousa
14:00–14:20	*Paulo C. Rodrigues* A complex trait with unstable QTLs can follow from component traits with stable QTLs…	*Rita Sousa* Using BPLIM to access data for research purposes
14:20–14:40	*Renato Assunção* Detecting spatial clusters of disease infection risk using sparsely sampled social media mobility patterns	*Marta Veloso* Portuguese central credit register
14:40–15:00	*Clarice Demétrio* An extended random-effects approach to modeling repeated, overdispersed count data	*Nuno Azevedo* From BPStat to Stata
15:00–15:20	*Gabriela Oliveira* Regressão quantílica aplicada ao estudo de associação genômica de incidência da ferrugem em coffea canephora	*Nuno Silva* Empirical applications on BdP data
15:20–15:30	**Break**	

	Applied Statistics—Design, Sampling and Computing Chair: Maria João Polidoro	**Statistics and Society** Chair: Constantino Caetano
15:30–15:50	*Paula Milheiro–Oliveira* Modeling and forecasting wind energy production by stochastic differential equations	*Adela Iutis & Adelaide Freitas* Association between weekly dengue cases and meteorological and geographical variables in the Dominican Republic
15:50–16:10	*Elsa Gonçalves* Comparison of experimental designs for evaluation of intravarietal genetic variability and selection in ancient grapevine varieties	*João Albuquerque* Behaviour of different strategies for cost-sensitive logistic regression applied to the classification of paediatric familial …
16:10–16:30	*Paula Simões* Geostatistical sampling designs under preferential sampling for black scabbardsh	*M. Helena Gonçalves* Modelação longitudinal binária da desnutrição aguda e crónica em crianças na província do Bengo em Angola
16:30–16:50	*Luísa Novais* O desempenho do algoritmo EM na estimação de misturas de modelos lineares mistos para diferentes procedimentos de inicialização	*Paulo Oliveira* Pessoas com deficiências, raça, análise de correspondência, renda e COVID-19
16:50–17:00	**Break**	

	Caucus for Women in Statistics Organizer: Vanda Lourenço, Chair: Wendy Lou	**Statistics in Biomechanics and Biology** Chair: Pedro Oliveira
17:00–17:20	*Tomi Mori* A perspective from the society and women in industry, government and academia, I	*Andy Lynch* Improving estimation of the PCR duplicate rate in DNA sequencing experiments
17:20–17:40	*Nairanjana Dasgupta* A perspective from the society and women in industry, government and academia, II	*Victor Velasco-Pardo* Statistical challenges in mutational signature analyses
17:40–18:00	*Holly Shulman* A perspective from the society and women in industry, government and academia, III	*Nuno Ribeiro* Análise multivariada para identificação da influência dos fatores antropométricos no dispêndio metabólico na marcha durante a …
18:00–18:20	*Cynthia Bland* A perspective from the society and women in industry, government and academia, IV	

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