

Wednesday 21

	9:00 - 9:30	Opening session
Chair: Vanesa Guerrero	9:30 - 10:30	Plenary Session 1 Claudia D'Ambrosio
	10:30 - 11:00	Coffee Break
Chair: Marta Baldomero	11:00 - 11:20	M. Remedios Sillero Denamiel <i>"Weighted bayesian regression for selection bias"</i>
	11:20 - 11:40	Luis Alberto Rodríguez <i>"On the kernel trick for high-dimensional two-sample problems"</i>
	11:40 - 12:00	Davide Duma <i>"Computing upper bounds for the maximum Chi-square index through a combinatorial relaxation"</i>
	12:00 - 12:20	Alberto Fernández de Marcos <i>"On new omnibus tests of uniformity on the hypersphere"</i>
	12:20 - 12:35	Short break
Chair: Alberto Santini	12:35 - 12:55	Marta Baldomero <i>"Feature selection and outliers detection using Support Vector Machines"</i>
	12:55 - 13:15	Asunción Jiménez <i>"Solving mixed-integer programs with warm-starting constraint generation methods via machine learning tools"</i>
	13:15 - 13:35	Maria Jaenada <i>"Robust inference for non-destructive one-shot devices testing under the step-stress model and Weibull lifetime distributions"</i>
	13:35 - 15:50	Lunch
Chair: Asunción Jiménez	15:50 - 16:10	Alberto Santini <i>"Decomposition methods for large-scale routing problems"</i>
	16:10 - 16:30	Laura Davila <i>"New model and solution methods for a routing problem with compartmentalized trucks and trailers"</i>
	16:30 - 16:50	Rebeca Peláez <i>"Mixture cure model estimators of the probability of default in credit risk"</i>
	16:50 - 17:10	Beatriz Piñeiro-Lamas <i>"Mixture cure models in the presence of vector and functional covariates. A dimension reduction approach"</i>

Thursday 22

Chair: Carmen Minuesa	9:30 - 10:30	Plenary Session 2 Rubén Ruiz
	10:30 - 11:00	Coffee Break
Chair: Irene Mariñas	11:00 - 11:20	Raffaele Vitale <i>"How statistics can aid a chemist: the case of multivariate curve resolution"</i>
	11:20 - 11:40	Albert Solà Vilalta <i>"ADMM-based unit and time decomposition for price arbitrage by cooperative price-maker electricity storage units"</i>
	11:40 - 12:00	Cristian Pachón García <i>"Interpreting an image classification model using superpixels"</i>
	12:00 - 12:20	Ana García <i>"Fetal growth models and its application to examine the effect of polluting environmental substances"</i>
	12:20 - 12:35	Short break
Chair: María Remedios Sillero	12:35 - 12:55	Iván Felipe Barrera <i>"Multicriteria sorting algorithm based on PROMETHEE's net flows: An application to supplier segmentation"</i>
	12:55 - 13:15	Belén Pulido Bravo <i>"Multivariate functional ordering based on indexes. An application to clustering"</i>
	13:15 - 13:35	Irene Mariñas-Collado <i>"Solving fuzzy multi-objective shortest path problems by ranking approximate Pareto sets"</i>
	13:35 - 16:00	Lunch
Chair: Raffaele Vitale	16:00 - 16:20	Álvaro Méndez Civieta <i>"An extension of PLS to quantile regression"</i>
	16:20 - 16:40	Harold Antonio Hernández <i>"A functional PLS algorithm based on the penalized rank-one approximation of the data"</i>
	16:40 - 17:00	Manuel Navarro García: <i>"On a conic optimization approach to estimate smooth hypersurfaces using P-splines and shape constraints"</i>

Friday 23

Chair: Eduardo García	9:30 - 10:30	Plenary Session 3 Ricardo Cao
	10:30 - 11:00	Coffee Break
Chair: Luis Alberto Rodríguez	11:00 - 11:20	Celia Jiménez <i>"Solving the premarshalling problem under limited crane time in the constraint programming paradigm"</i>
	11:20 - 11:40	Ana López Cheda <i>"A new nonparametric approach for the latency: an application to the financial field"</i>
	11:40 - 12:00	Paula Segura <i>"The length constrained rural postman problem with a fleet of drones"</i>
	12:00 - 12:20	Patricia Ortega-Jiménez <i>"Comparisons of VaR and CoVaR in terms of the value of the conditional variable"</i>
	12:20 - 12:35	Short break
Chair: Ana López	12:35 - 12:55	Edoardo Fadda <i>"Machine Learning and optimization: an approach for real-world discrete problems"</i>
	12:55 - 13:15	Elisa Cabana <i>"Robust multivariate control chart based on shrinkage for individual observations"</i>
	13:15 - 13:35	Pablo Morala Miguélez <i>"An alternative representation of neural networks using polynomials: NN2Poly"</i>
	13:35 - 16:00	Lunch
Chair: Beatriz Shova	16:00 - 17:00	Plenary Session 4 Frederic Ferraty
	17:00 - 17:15	Short break
	17:15 - 17:30	Closing session