

**MONDAY**

 08:10 - 08:40 **Registration**

 08:40 - 09:00 **Opening ceremony**

 09:00 - 09:55 **Plenary talk I. Chair: Eduardo García-Portugués** 

- **Juan A. Cuesta Albertos** (University of Cantabria). "Big Data world: wide consensus in estimation using parallelized inference"

 09:55 - 10:20 **Coffee break**
**Session I**

 10:20 - 12:10
 

- **Ruth Domínguez Martín**. "Multi-Stage Investment Models for renewable Capacity Expansion in Power Systems Under Uncertainty" 
- **Martín López-García**. "A unified stochastic modelling framework for the spread of nosocomial infections" 
- **Mercedes Pelegrín García**. "A new lifting theorem for vertex packing problems" 
- **Filipa Silva**. "Compound Poisson INARCH processes" 
- **Diego Ponce**. "Branch&Price approaches for the Discrete Ordered Median Problem"  

 12:10 - 12:20 **Break**
**Session II**

 12:20 - 13:50
 

- **Ángel Manuel González-Rueda**. "Optimization of gas transmission networks: a two-step sequential linear programming algorithm for NLP and MINLP problems" 
- **Jose Luis Torrecilla**. "RKHS, Mahalanobis and Variable Selection in Functional Data Classification" 
- **María Remedios Sillero Denamiel**. "On sparse and constrained Naïve Bayes" 
- **Beatriz Sinova**. "On the choice of the tuning parameter for the Tukey's biweight loss function in the context of fuzzy M-estimators of location"  

 13:50 - 15:00 **Lunch**

 15:00 - 15:55 **Plenary talk II. Chair: Víctor Blanco** 

- **Pierre Bonami** (IBM). "Two recent works in Mixed Integer Quadratic Optimization"

 15:55 - 16:20 **Coffee break**
**Session III**

 16:20 - 18:10
 

- **Manuel Higuera**s. "Optimal experimental design for calibration in radiation biodosimetry" 
- **Sahar Bsaybes**. "Online Pickup and delivery problem under special constraints" 
- **Paula Raña**. "On the use of functional additive models for electricity demand and price prediction" 
- **Lígia Conceição**. "The deployment of automated vehicles: dedicated zones as a urban planning strategy" 
- **Eduardo García-Portugués**. "Modelling protein structure evolution by toroidal diffusions"  

 18:10 - 18:20 **Break**
**Session IV**

 18:20 - 20:10
 

- **María Jesús Gisbert Francés**. "Calmness modulus of the optimal value function" 
- **Guillermo Vinué**. "Probabilistic methods for combining internal migration data" 
- **Marina Leal**. "Some novel approaches to portfolio optimization" 
- **Víctor Gallego**. "Robust budget optimization and forecasting under uncertainty in the media industry" 
- **José Luis Romero**. "Risk measures on threshold exceedance structural indicators in spatiotemporal processes"  

 20:40 → **Meet an editor... and have a beer!**


STATISTICS



OR



Chair of the session

**TUESDAY**

08:40 - 10:30	<b>Session V</b> <ul style="list-style-type: none"> <li>• David García Heredia. "New mathematical optimization models for Air Traffic Flow Management" </li> <li>• Mercedes Conde Amboage. "A lack-of-fit test for quantile regression models using logistic regression" </li> <li>• Thomas Ashley. "New methods and results for the optimisation of solar power tower plants" </li> <li>• Yolanda Larriba. "Analysing biological rhythms using order restricted inference" </li> <li>• Alba V. Olivares Nadal. "Improving interpretability in linear regression"  </li> </ul>
10:30 - 10:55	<b>Coffee break</b>
10:55 - 11:50	<b>Plenary talk III. Chair: Beatriz Sinova</b>  <ul style="list-style-type: none"> <li>• Ingrid Van Keilegom (University of Leuven). "Estimation of the boundary of a variable observed with symmetric error"</li> </ul>
11:50 - 12:00	<b>Break</b>
12:00 - 13:50	<b>Session VI</b> <ul style="list-style-type: none"> <li>• Ana Sara Costa. "A multiple criteria decision aiding method for nominal classification" </li> <li>• Irene García-Camacha Gutiérrez. "Numerical methods for optimal mixture experiments" </li> <li>• Marina Segura. "A hybrid multiple criteria approach to improve supplier relationship management: A PROMETHEE and MAUT comparison" </li> <li>• Miguel A. Pozo. "On-line timetable rescheduling in a transit line" </li> <li>• Javier Álvarez Liébana. "Time series in function spaces: autoregressive Hilbertian processes"  </li> </ul>
13:50 - 15:00	<b>Lunch</b>
15:00 - 16:30	<b>Session VII</b> <ul style="list-style-type: none"> <li>• Elena Castilla. "Minimum density power divergence estimators for one-shot device model" </li> <li>• Roi Naveiro. "Adversarial Classification: An Adversarial Risk Analysis Approach" </li> <li>• Antonio Elías. "Prediction bands for functional data based on depth measures" </li> <li>• Luisa Isabel Martínez Merino. "New heuristic approaches for the Probabilistic p-Center problem"  </li> </ul>
16:30 - 16:55	<b>Coffee break</b>
17:15 - 20:30	<b>Social event</b>
21:30 →	<b>Conference dinner</b>

**WEDNESDAY**

09:50 - 11:20	<b>Session VIII</b> <ul style="list-style-type: none"> <li>• Francisco Javier Granados Ortiz. "Application of Multi-Objective Non-Linear Constrained Optimisation to Minimise the Expected Loss in Credit Risk" </li> <li>• Aida Calviño Martínez. "Minimum Density Power Divergence Estimators in Loglinear Models with multinomial sampling" </li> <li>• Ramón Ferri-García. "Statistical methods to improve estimates obtained with probabilistic and non-probabilistic samples" </li> <li>• Carmen-Ana Domínguez-Bravo. "Black-box optimization of expensive functions using Bayesian optimization with a novel batch acquisition algorithm"  </li> </ul>
11:20 - 11:45	<b>Coffee break</b>
11:45 - 12:40	<b>Plenary talk IV. Chair: Javier Martín Campo</b>  <ul style="list-style-type: none"> <li>• Rafael Martí (Universitat de València). "Adaptive Memory Programming"</li> </ul>
12:40 - 12:50	<b>Break</b>
12:50 - 14:20	<b>Session IX</b> <ul style="list-style-type: none"> <li>• Jose Ameijeiras Alonso. "Nonparametric techniques for assessing the number of modes" </li> <li>• Juanjo Peiró. "New valid inequalities for a class of p-hub location problems" </li> <li>• Pablo Montero Manso. "Functional Surface Classification Using Neighbourhood Information with Applications to Facial Shapes" </li> <li>• Vanesa Guerrero Lozano. "Visualizing dynamic data: a mathematical optimization approach"  </li> </ul>
14:20 - 14:40	<b>Closing ceremony</b>
14:40 - 15:50	<b>Lunch</b>