



# II JORNADAS

## de Ciencia de los Datos e Inteligencia Artificial

### PROGRAMA:

#### Lunes, 9 de mayo

9.20 - 9.45: **Leire Moriones**  
*Using High-resolution voltage maps to predict "redo" in the treatment of atrial fibrillation (AF)*

9.45 - 10.10: **Sergey Yablonsky**  
*AI-Driven organization maturity: A conceptual framework*

10.10 - 10.35: **Javier Porras Castaño**  
*Dicho y hecho: la IA ya permite democratizar la programación a cualquier perfil*

10.35 - 11.00: **Iñaki Fernández de Troconiz**  
*Characterizing the interplay between biological factors and cell growth in unperturbed tumor growth dynamics*

11.00 - 11.30: **Café**

11.30 - 12.00: **Registro**

12.00 - 12.45: **Apertura de las jornadas**

12.50 - 13.50: Plenaria a cargo de **Pedro Larrañaga**  
*Redes bayesianas en modelización y optimización. De la neurociencia a la industria 4.0*  
Modera: **Rubén Armañanzas**

#### Martes, 10 de mayo

9.20 - 9.45: **Leire Moriones**  
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11.30 - 12.20: Plenaria: **José Antonio Lozano**  
*Test de hipótesis: sus puntos débiles y alternativas Bayesianas*  
Modera: **Sergio Ardanza-Trevijano**

12.30 - 12.55: **Paloma Marín Martínez**  
*Model-driven or data-driven? Pricing and prediction in multi-dealer to client platform for european government bonds*

12.55 - 13.20: **Christian Ojeda Trejo**  
*Optimal market making under information asymmetry*

13.20 - 13.45: **Conrado García Montiel**  
*Multi-product dynamic pricing strategies with unlimited inventories*

#### Miércoles, 11 de mayo

9.20 - 9.45: **Luis Manuel García Muñoz**  
*Machine Learning Techniques for Financial Market Risk measurement*

9.45 - 10.10: **Adrián Díaz Lanchas**  
*Fraud detection based-on Web browsing behavioral patterns*

10.10 - 10.35: **Priscila Espinosa Adamez**  
*Automatic tools for measuring the economic regional growth*

10.35 - 11.00: **Juan José Fernández Tebar**  
*Bundle Pricing of Cash Management Products with Mixed Integer Programming*

11.00 - 11.30: **Café**

11.30 - 12.20: Plenaria: **Antonio García Marqués**  
*Connecting the dots: learning graphs from nodal signal observations*  
Modera: **José Miguel Leiva**

12.30 - 12.55: **Sergio Ardanza-Trevijano**  
*Detecting cancer-specific copy number changes using topological data analysis*

12.55 - 13.20: **Idoia Cerro Belzuz**  
*Sistema sensorial con inteligencia artificial para guantes sensoriales*

13.20 - 13.45: **Francisco Javier Talavera Andújar**  
*On the computation of triangular norms in chains*

#### Jueves, 12 de mayo

9.20 - 9.45: **Matias Ávila Clemente**  
*Modeling multiple seasonalities of NO2 hourly pollution levels*

9.45 - 10.10: **Miguel A. Alcántara Durán**  
*Evaluation of pollutants and particulate material in interior spaces*

10.10 - 10.35: **Yury Jiménez Agudelo**  
*Mathematical model and characterization of emotional states in bipolar disorders*

10.35 - 11.00: **Mario Martínez García**  
*Learning a battery of COVID-19 mortality prediction models by multi-objective optimization*

11.00 - 11.30: **Café**

11.30 - 12.20: Plenaria: **Daniel Peña**  
*Some Recent Methods for Analyzing High Dimensional Time Series*  
Modera: **Stella Salvatierra**

12.30 - 12.55: **José Antonio Moler Cuiral**  
*Designing experiments for estimating an appropriate outlet size for a silo type problem*

12.55 - 13.20: **Álvaro Cía Mina**  
*Optimal subdata selection assuming random covariates*

13.20: **Clausura**