

**Final Version of The Program of
The EURO PhD School on Data Driven Decision Making and Optimization
June 13-22, 2022, Institute of Mathematics of the University of Seville**

With the support of

		
		
		
		

Sunday June 12

Arrival at accommodation

Monday June 13, 9.30-17.30

Institutional welcome to EPS

Dolores Romero Morales, *Copenhagen Business School, Denmark*
Short introduction of PhD students

Tuesday June 14, 9.30-17.30

Natalia Rezanova, *Novo Nordisk A/S, Denmark*

Group Work Session

Dolores Romero Morales, *Copenhagen Business School, Denmark*
Emilio Carrizosa, *Institute of Mathematics of the University of Seville, Spain*

Wednesday June 15, 9.30-17.30

Vanesa Guerrero, *Department of Statistics of the University Carlos III of Madrid, Spain*

Belén Martín Barragán, *Business School of the University of Edinburgh, UK*

Emilia Martínez Serrano, *Repsol Technology Lab, Spain*

Prashanth Nadukandi, *Repsol Technology Lab, Spain*

Jochen De Weerd, *Katholieke Universiteit Leuven, Belgium*

Thursday June 16, 9.30-21.30

EPS @ The Beach (Scientific & social activities in the city of Cádiz)

Friday June 17, 9.30-17.30

Martina Fischetti, *Joint Research Center of the European Union, Spain*

Group Work Session

Edwin Reynolds, *TESCO, UK*

Ilker Birbil, *University of Amsterdam, The Netherlands*

Weekend

EPS @ Seville (Scientific & social activities in the city of Seville)

Monday June 20, 9.30-17.30

EURO Institutional Presentation

Laust Mortensen, *University of Copenhagen & Statistics Denmark, Denmark*

Juan Sebastián Valverde García, *Virtualmech S.L., Spain*

Miguel Angel Pérez Cutiño, *Virtualmech S.L., Spain*

Pietro Belotti, *Politecnico di Milano, Italy*

Tuesday June 21, 9.30-17.30

Laura Palagi, *Sapienza University of Rome, Italy*

Rocío Vega Martínez, *Reganosa, Spain*

Daniel Herrero, *Director of the mathematical optimization and ML area at decide4AI, Spain*

Javier León, *Senior Business Consultant at decide4AI, Spain*

Wednesday June 22, 9.30-17.30

Víctor Blanco, *Institute of Mathematics of the University of Granada, Spain*

Pepa Ramírez Cobo, *Faculty of Sciences of the University of Cádiz, Spain*

Presentations of PhD students

Closing

The titles of the talks

Speaker	Topic	Affiliation	Country
Pietro Belotti	Multimodal transport networks: a case study with water canals, bicycle trails, and railways	Politecnico di Milano	Italy
Ilker Birbil	Rule generation for learning	University of Amsterdam	The Netherlands
Victor Blanco	Continuous location-based approaches for supervised classification	Institute of Mathematics of the University of Granada	Spain
Emilio Carrizosa	Interpretability in Machine Learning by Means of Mathematical Optimization: Part II	Institute of Mathematics of the University of Seville	Spain
Jochen De Weerd	From descriptive to predictive process mining	Katholieke Universiteit Leuven	Belgium
Martina Fischetti	Applications of OR to sustainability topics	Joint Research Center of the European Union	Spain
Vanesa Guerrero	Constrained penalized regression smoothing splines by means of mathematical optimization	Department of Statistics of the University Carlos III of Madrid	Spain
Daniel Herrero	Decomposition approaches for solving large optimization problems	Director of the mathematical optimization and ML area at decide4AI	Spain
Javier León	Decomposition approaches for solving large optimization problems	Senior Business Consultant at decide4AI	Spain
Belén Martín-Barragán	Mathematical programming approaches for inventory problems	Business School of the University of Edinburgh	UK
Emilia Martínez Serrano	Academy & Industry: collaboration.....and beyond	Repsol Technology Lab	Spain
Laust Hvas Mortensen	Data Science @ Statistics Denmark	University of Copenhagen & Statistics Denmark	Denmark
Prashanth Nadukandi	Academy & Industry: collaboration.....and beyond	Repsol Technology Lab	Spain
Laura Palagi	Optimization Aspects of Deep Networks	Sapienza University of Rome	Italy
Miguel Angel Pérez Cutiño	Industrial applications of automatic inspection and data analysis in the transport and energy sectors. Support to O&M	Virtualmech S.L.	Spain
Edwin Reynolds	Delivering Data Science Products within Tesco using Mathematical Optimisation	Tesco	UK
Pepa Ramírez Cobo	Fairness in linear regression: a Bayesian perspective	University of Cadiz	Spain
Natalia Rezanova	An industrial challenge: Supplier Volume Allocation Optimization	Novo Nordisk A/S	Denmark
Dolores Romero Morales	Interpretability in Machine Learning by Means of Mathematical Optimization: Part I	Copenhagen Business School	Denmark
Juan Sebastián Valverde García	Industrial applications of automatic inspection and data analysis in the transport and energy sectors. Support to O&M	Virtualmech S.L.	Spain
Rocío Vega Martínez	HAL: Hydrogen projects Algorithm-driven	Reganosa	Spain