

## Doc-Course on Data Science (Sevilla detailed program)

Oct, 2nd ( Mon ) 09:00 - 09:15 : <i>Registration</i>
Oct, 2nd ( Mon ) 09:15 - 09:30 : <i>Opening Session (IMUS Director Justo Puerto, Local Organizer Miguel Pozo)</i>

### Course 3: *Optimization in Machine Learning* (Seminario II - IMUS)

Oct, 2nd ( Mon ) 09:30 - 13:00 : <i>Machine learning and location theory in a nutshell</i> *	by Justo Puerto
Oct, 3rd ( Tue ) 10:00 - 11:00 : <i>Machine learning and location theory in a nutshell</i>	by Justo Puerto
11:00 - 11:30 : <i>Coffee break</i>	
11:30 - 13:30 : <i>The Support Vector Machine Optimization Fundamentals</i>	by Antonio M. Rodriguez-Chía
Oct, 4th ( Wed ) 09:30 - 11:30 : <i>The Support Vector Machine Optimization Fundamentals</i>	by Antonio M. Rodriguez-Chía
11:30 - 12:00 : <i>Coffee break</i>	
12:00 - 13:00 : <i>The role of Mathematical Opt. in Robust, Interpretable and Explainable Machine Learning</i>	by Víctor Blanco
Oct, 5th ( Thu ) 09:30 - 13:00 : <i>The role of Mathematical Opt. in Robust, Interpretable and Explainable Machine Learning</i> *	by Víctor Blanco

### Course 4: *Data Science in Industry* (Salón de actos - IMUS)

Oct, 9th ( Mon ) 09:00 - 12:30 : <i>Optimal management of energy networks</i> *	by Ángel M. González
12:30 - 13:30 : <i>Optimization of Railway Schedules</i>	by Federico Perea
Oct, 10th ( Tue ) 15:00 - 18:30 : <i>Decision models and data science in disaster logistics, development and sustainability</i> *	by Begoña Vitoriano
18:30 - 19:30 : <i>Decomposing techniques applied to large-scale real-life optimization problems</i>	by Miguel Pozo
Oct, 11th ( Wed ) 09:00 - 13:30 : <i>Data Science in Industry 4.0</i> *	by Alberto J. Ferrer-Riquelme

\* Includes a 30 min coffee break

