



RADICAL BUSINESS INNOVATION WITH MACHINE LEARNING AND INTELLIGENT OPTIMIZATION

16 November 2016 - XVI SEMANA DE LA CIENCIA

Speaker

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Abstract



Learning and Intelligent Optimization (LION) is the combination of machine learning from data and optimization to solve challenging and dynamic problems, previously thought to require intelligent human intervention and creativity.

Businesses can be run more and more by defining objectives, measuring and collecting data, using data to build models, using models to connect new data directly to decisions and actions, with very limited human intervention.

With support of the right software, a huge power is directly in the hands of businesses in a self-service and automated manner.

We highlight the scientific principles and mention some notable examples of this radical transformation which can produce wealth for everybody provided that the risk of higher unemployment rate is properly addressed.

This event will be conducted in English and will be followed by a Q&A session.



About Roberto Battiti

I was born in Trento (a small Italian-German town with an intriguing history, barycenter of Europe in the Alps) and received the Laurea in Theoretical Physics from the University of Trento in 1985. Then I moved to the USA, where I received the Ph. D.



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degree from the California Institute of Technology (Caltech) in 1990. As full professor of Computer Science I organize research initiatives in the area of reactive search optimization (RSO) and learning and intelligent optimization (LION) heuristics. My passion is to use data to build flexible models and extract actionable knowledge (machine learning), to exploit knowledge to automate the discovery of improving solutions (intelligent optimization), to connect insight to decisions and actions ("prescriptive analytics").

I am the director of the LION lab: machine Learning and Intelligent OptimizatiON for prescriptive analytics, recent co-author of THE LION WAY, Machine Learning plus Intelligent Optimization, with a rich experience in startup activities.

I am a Fellow of the IEEE (class of 2009).

<http://lion.disi.unitn.it/~battiti/>

<http://www.intelligent-optimization.org/>

Date & Time

Semana de la Ciencia 2016 ranges from November 7th to the 20th. Our event will take place on November 16th, from 11:00 to 12:00, approximately.

Venue

IMDEA Networks Institute - Avenida del Mar Mediterráneo, 22 - 28918 - Leganés, Madrid

How to arrive: <http://www.networks.imdea.org/contact/directions-to-imdea-networks>

Venue capacity: 40