



## First Workshop of the Florence Center for Data Science

Florence, June 10 2019

Auditorium B – Viale Morgagni 40

### WORKSHOP PROGRAM

09:45-09:55 Welcoming address

09:55-10:05 Introducing the Florence Center for Data Science (Fabrizia Mealli)

10:05-10:40 Francesca Dominici (Harvard University)

Particulate Solution: Data Science in the Fight to Stop Air Pollution and Climate Change

10:40-10:55 Annibale Biggeri (University of Florence)

Irreducible Complexities in Medical Research: Challenges for Study Design within the Data Science Framework

10:55-11:10 Marco Sciandrone (University of Florence)

Optimization and Machine Learning: a Marriage of Love or of Interest?

11:10-11:20 Break

11:20-11:55 Paolo Frasconi (University of Florence)

Full-Band Music Genres Interpolations with Wasserstein Autoencoders

11:55-12:10 Raffaele Guetto (University of Florence)

Socio-economic data science in the digital age

12:10-12:25 Michele Boreale (University of Florence)

Data Science at DiSIA, the Computer Science Perspective

12:25-13:00 Stefano Leonardi (La Sapienza University of Rome)

Algorithmic and Mechanism Design Research in Online Markets

13:00-14:00 Lunch Break

14:00-14:35 Alessandra Sestini (University of Florence)

Shape Reconstruction from Scattered Data

14:35-14:50 Marco Maggesi (University of Florence)

Theorems as Data

14:50-15:05 Cristiano Ciappei (University of Florence)

Teaching Digital Science to Managers: the Five-Year Experience of Master in Big Bata, Analytics and Technology for Management

15:05-15:15 Break

15:15-15:30 Anna Gottard (University of Florence)

Data Science Challenges for Statistics: the Role of Statistical and Causal Models

15:30-15:45 Tommaso Zoppi (University of Florence)

Evaluating Algorithms for Anomaly-Based Intrusion Detection

15:45-16:20 Giovanni Parmigiani (Harvard University, Dana-Farber Cancer Institute)

Replicability Challenges in Machine Learning and Prediction

16:45-17:00 Closing Remarks