

Data Science Ph.D. Workshop

13-14/02/2019

Auditorium, Officine Garibaldi

Via Gioberti 39, Pisa

AGENDA

First Day - Wednesday 13 February, 2019

Morning session: 9:00 - 12:00

Slot	Title	Speaker	Laboratory
9:00 - 9:15	Welcome	Dino Pedreschi	UNIFI
9:15 - 9:30	The Internet of (Knowing) People: Distributed, Personalised Data Analytics in a human-centric Future Internet	Andrea Passarella	IIT
9:30 - 9:45	Complex Networks and Statistical Physics	Guido Caldarelli	IMT
9:45 - 10:00	Data-driven Generation of Personalization Rules for Internet of Things and Robots	Fabio Paternò	ISTI
10:00 - 10:15	Research opportunities in open innovation and SMEs	Alberto di Minin	Sant'Anna
10:30 - 10:45	Dynamics on and of Networks	Giulio Rossetti	ISTI
10:45 - 11:00	Information, Entropy, and Networks	Diego Garlaschelli	IMT
11:00 - 11:15	Transfer Learning in Mobility data analysis	Roberto Trasarti	ISTI
11:15 - 11:30	Data Science for decision making: Perspectives and Applications on Healthcare and Marketing	Giuseppe Turchetti	Sant'Anna
11:30 - 11:45	Financial Network Reconstruction and Systemic Risk Estimation	Tiziano Squartini	IMT

11:45 - 12:00	Challenges of privacy-preserving big data analytics	Anna Monreale and Francesca Pratesi	UNIFI
12:00 - 12:15	Predictive Maintenance and Online Defect Recognition for Industry 4.0	Franco Maria Nardini	ISTI

Afternoon session: 14:00 - 17:00

Slot	Title	Speaker	Laboratory
14:00 - 14:15	Data analysis and Machine learning to understand the structure of matter (Streaming CERN)	Chiara Roda	UNIFI
14:15 - 14:30	Autonomous driving and more: (some) big data challenges in the embedded computing world	Marco Di Natale	Sant'Anna
14:30 - 14:45	Word embeddings quantization and fast similarity search	Nicola Tonellotto	ISTI
14:45 - 15:00	Technological knowledge, firm growth and industry evolution	Andrea Mina e Arianna Martinell	Sant'Anna
15:00 - 15:15	Dynamic Monitoring and Data Analysis for Architectural Heritage	Ercan Kuruoglu	ISTI
15:30 - 15:45	I dati dei pagamenti elettronici per il miglioramento delle stime macroeconomiche	Alessandra Righi	ISTAT
15:45 - 16:00	Brain MRI signals and gene expression in Autism Spectrum Disorders	Elisa Ferrari	PhD student
16:00 - 16:15	Robust model selection for high-dimensional data	Luca Insolia	PhD student
16:15 - 16:30	XAI: explaining black-box decisions for healthcare applications	Cecilia Panigutti	PhD student
16:45 - 17:00	A multidisciplinary approach to the study of misinformation diffusion	Tommaso Radicioni	PhD student

Second Day - Thursday 14 February, 2019

Morning session: 9:00 - 12:00

Slot	Title	Speaker	Laboratory
9:00 - 9:15	SoBigData Research Infrastructure	Fosca Giannotti	CNR
9:15 - 9:30	Use of Geographical Information System (GIS) in Health Care, and Patient-reported experience and knowledge data discovery	Michela Natilli and Domenico Cerasuolo	Sant'Anna
9:30 - 9:45	Genomic Data Analysis at the UniPi Computer Science Department	Nadia Pisanti	UNIFI
9:45 - 10:00	Meaningful explanations of machine learning black boxes	Dino Pedreschi and Riccardo Guidotti	UNIFI
10:00 - 10:15	Financial Data Science	Fabrizio Lillo	UNIBO
10:15 - 10:30	Agent-based and econometric modelling for the analysis of coupled climate-economic systems	Francesco Lamperti	Sant'Anna
10:45 - 11:00	Scanner data e transazioni elettroniche: nuove fonti per la statistica ufficiale	Monica Pratesi	UNIFI
11:00 - 11:15	Brain Networks in Healthy Subjects and Patients	Rossana Mastrandrea	IMT
11:15 - 11:30	Exploiting structure in big data: discovery of information in signals and images	Emanuele Salerno	ISTI
11:30 - 11:45	Big-data processing and machine-learning for cloud computing and NFV infrastructures	Tommaso Cucinotta	Sant'Anna
11:45 - 12:00	Structural and Functional Brain Networks	Tommaso Gili	IMT

Afternoon session: 14:00 - 17:00

Slot	Title	Speaker	Laboratory
14:00 - 14:15	Opinion Formation in Social Networks	Fabio Saracco	IMT
14:15 - 14:30	Algorithmic bias, opinion dynamics, and polarization	Dino Pedreschi and Alina Sirbu	UNIFI
14:30 - 14:45	Big data and Public Health	Pier Luigi Lopalco	UNIFI
14:45 - 15:00	Wisdom of (Artificial) Crowds	Daniele Giachini	Sant'Anna
15:00 - 15:15	Industrial Ecology and Complex Urban Systems	Angelo Facchini	IMT
15:30 - 15:45	Big Data and Public Sector	Francesca Biondi Dal Monte e Fabio Pacini	Sant'Anna
15:45 - 16:00	Essays on Science, Innovation, and Proximity	Giorgio Tripodi	PhD student
16:00 - 16:15	Monitoring well-being in society at the crossroad of big data	Vasiliki Voukelatou	PhD student
16:15 - 16:30	Analyses of migration network effects	Jisu Kim	PhD student
16:45 - 17:00	Urban structure and mobility as spatio-temporal complex networks	Gevorg Yeghikyan	PhD student