

27 November 2019

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**Afternoon: Perspectives from institutional and private sector stakeholders.**

**02:00pm-04:30pm Perspectives from institutional stakeholders**

Chair: Giovanni Dosi

**Giovanni Felici**, European European Research Council Executive Agency and Consiglio Nazionale delle Ricerche . *The European Research Council Grants: funding opportunities for frontier science.*

**Fosca Giannotti**, Istituto di Scienza e Tecnologie dell'Informazione, Italian National Research Council (CNR), Pisa. *Explainable Machine Learning for Trustworthy Artificial Intelligence.*

**Denise Amram**, Sant'Anna School of Advanced Studies. *Predictive Jurisprudence: an interdisciplinary project.*

**Paolo De Rosa**, Italian Digital Team. *How the digital transformation in the public sector may help to boost growth through digital infrastructures, shared platforms and human centered services.*

**Aldo Ravazzi Douvan**, Ministero dell'Ambiente.

**04:30pm-05:00pm Coffee break**

**05:00pm-07:00pm Perspectives from private stakeholders**

Chair: Fabio Iraldo

**Piero Altoè** - Business Business Development Manager South-Europe and Middle-East, NVIDIA. *When accuracy is critical: the case of deep learning at scale .*

**Paolo Carnevale**, Executive Director, Fondazione ENI Enrico Mattei.

*Climate change, decarbonization of energy systems and WEF nexus: the role of Big Data .*

**Antonio Pelliccia**, Business Development Healthcare & Life Science, IBM Italia. *AI in Healthcare & Life Science: examples and challenges.*

**Gian Luca Cattani**, R&D Director and Member of Board of Directors, MAPS Group. *Data Driven Governance: Combining Administrative and Clinical Information for a Better Healthcare.*

**07:00pm-07:15pm** Francesca Chiaromonte, EMbeDS Scientific Coordinator. *Goodbyes.*

Aula 10 and Saletta Riunioni will be available for participants' interactions throughout the two days

Registration form: <https://www.embeds.santannapisa.it/form/register-embeds-2019-workshop-%E2%80%93-nov-26-27-2019>



Department  
of Excellence  
2018 - 2022

**EMbeDS**

Economics and Management  
in the era of Data Science

**2019 WORKSHOP**

**26-27 NOVEMBER 2019**

**AULA MAGNA**

**Sant'Anna School of Advanced Studies**

**Piazza Martiri della Libertà n.33, Pisa**

## 26 November 2019

08:45am-09:15am Coffee and registration

**Morning: Introduction and presentations by EMbeDS recruits.**

**09:15am-09:30am** Francesca Chiaromonte, EMbeDS Scientific Coordinator. *A few words about EMbeDS.*

**09:30am-11:00am** EMbeDS recruits, Session I

Chair: Nicola Belle'

**Caterina Sganga**, Dirpolis Institute. *Intellectual property and data ownership: balancing exclusivity and access.*

**Chiara Seghieri**, Institute of Management. *Assessing access, quality and equity of care using observational data: current research and future directions.*

**Andrea Vandin**, Institute of Economics and Department of Applied Mathematics and Computer Science, DTU Technical University of Denmark. *Speeding up simulation of large-scale dynamical networks by aggregation* (in remote).

**11:00am-11:30am** Coffee break

**11:30am-01:00pm** EMbeDS recruits, Session II

Chair: Alessandro Nuvolari

**Anna Maria Murante**, Institute of Management. *Co-producing services and health.*

**Francesco Lamperti**, Institute of Economics. *Climate risks in complex economies: are there opportunities beyond costs?*

**Paola Cantarelli**, Institute of Management. *Behavioral public management: A focus on work motivation in mission-driven jobs.*

**Daniele Giachini**, Institute of Economics. *Market Learning.*

01:00pm-2:00pm Light lunch

**Afternoon: Scientific sessions organized by young EMbeDS researchers.**

**02:00pm-03:30pm** New perspectives on climate change economics and big data

Chairs: Matteo Coronese and Francesco Lamperti

**Guido Cervone**, Department of Geography & Institute for Cyber Science. The Pennsylvania State University. *Remote sensing target recognition using image spectroscopy and deep learning.*

**Simone Vantini**, MOX-Department of Mathematics. Politecnico di Milano. *Object-Oriented Data Analysis for Climate Change and Energy Economics.*

**Chiara Lo Prete**, Department of Energy and Mineral Engineering. The Pennsylvania State University. *California's cap-and-trade program and emission leakage in the electricity sector: an empirical analysis.*

(Klaus Keller, Department of Geosciences, the Pennsylvania State University, will join the discussion in remote)

**03:30pm-05:00pm** The value of big data in healthcare

Chairs: Daniel Lungu and Milena Vainieri

**Bin Yu**, Departments of Statistics & Computer Science. University of California Berkeley. *Iterative Random Forests (iRF) with applications to biomedical problems.*

**Francesca Ieva**, MOX - Department of Mathematics. Politecnico di Milano. *The broken promise of Big Data in Healthcare and the new challenges of Health Analytics.*

**Till Bärnighausen**, Heidelberg Institute of Global Health. (in remote)

**5:00pm-05:30pm** Coffee break

**05:30pm-07:00pm** Prediction, learning and inference: data science from theory to practice

Chairs: Giorgio Tripodi and Daniele Giachini

**Nicolò Cesa-Bianchi**, Dipartimento di Informatica e Data Science Research Center, Università degli Studi di Milano. *Nonstochastic Bandit Problems on Graphs.*

**Michael Lechner**, Swiss Institute of Empirical Economic Research, University of St. Gallen. *Modified Causal Forests for Estimating Heterogeneous Causal Effects.*

**Christian Brownlees**, Department of Economics and Business, Universitat Pompeu Fabra. *Community detection in partial correlation networks models.*

## 27 November 2019

09:45am-10:15am Coffee and registration

**Morning: Keynote Public Lecture.**

**10:15am-10:30am** *Introduction*— Sabina Nuti, Rector of Sant'Anna.

**10:30am-12:30am** Bin Yu, Departments of Statistics & Computer Science. University of California Berkeley. *Veridical Data Science.*

Chair: Andrea Mina

**12:30pm-2:00pm** Light lunch

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