



KDD Lab Workshop 2018

Auditorium, Officine Garibaldi, via Gioberti 39, Pisa, Italy

Day 1 - 16/01/2018

09:30-10:00 Workshop Opening, Fosca Giannotti

10:00-11:20 Session1 PhD theses

- ◆ Understanding spreading and evolution in complex network, *Letizia Milli*
- ◆ Forecasting flu epidemics with retail data, *Ioanna Miliou*
- ◆ Superdiversity: big data analytics at the cross road of geography, language and emotions, *Laura Pollacci*
- ◆ Towards big data methods and technologies for official statistics, *Lorenzo Gabrielli*

11:20-11:40 Coffee Break

11:40-13:00 Session2 PhD theses

- ◆ Model and data driven algorithms for privacy risk in personal data, *Roberto Pellungrini*
- ◆ Privacy risk assessment in data analytics, *Francesca Pratesi*
- ◆ Big mobility data analysis, *Omid Isfahani Alamdari*
- ◆ Personal data analytics, *Riccardo Guidotti*

13:00-14:30 Lunch

14:30-15:50 Session3 2017 papers (Ethics & Mobility)

- ◆ A data mining approach to estimate privacy risk in human mobility data, *Roberto Pellungrini*
- ◆ Survival kit for the responsible data scientist, *Francesca Pratesi*
- ◆ There's a path for everyone: mobility agendas, *Roberto Trasarti*
- ◆ Data-driven generation of spatio-temporal routines in human mobility, *Luca Pappalardo*

15:50-16:10 Coffee Break

16:10-17:10 Panel1:

- ◆ The challenge of interpretability and explanation of black box machine learning models
Rapporteur *Dino Pedreschi*, Discussant *Salvatore Ruggieri*

17:10-18:10 Panel2:

- ◆ The challenge of personal data analytics ecosystem
Rapporteur *Mirco Nanni*, Discussant *Anna Monreale*

19-22 Apericena con dolcetti siciliani e pianoforte a coda

Day 2 - 17/01/2018

10:00-11:20 Session4 2017 papers (Methods & Networks)

- ◆ Decision trees: past and future challenges, *Salvatore Ruggieri*
- ◆ Forecasting success via early adoptions analysis: a data-driven study, *Giulio Rossetti*
- ◆ NDLib: network diffusion library, *Giulio Rossetti*
- ◆ Algorithmic bias and opinion polarization, *Alina Sirbu*

11:20-11:40 Coffee Break

11:40-12:30 Panel3:

- ◆ E-Infrastructures for open data science at KDD Lab
Rapporteur *Roberto Trasarti*, Discussant *Giulio Rossetti*
- 12:30-13:00 Report on resources, Chiara Falchi and Letizia Petrellese**

13:00-14:30 Lunch

14:30-15:50 Session5 2017 papers (Applied Data Science)

- ◆ Sports performance evaluation: from cognitive mechanisms to data-driven algorithms, *Paolo Cintia*
- ◆ Gastroesophageal diseases (GERD) studies observing university student food habits, *Michela Natilli*
- ◆ Migrants' integration and big food data, *Riccardo Guidotti*
- ◆ Clustering individual transactional data for masses of users, *Riccardo Guidotti*

15:50-16:10 Coffee break

16:10-17:10 Panel4:

- ◆ Novel methodologies for data science. From quantification to transfer learning
Rapporteur *Salvo Rinzivillo*, Discussant *Fosca Giannotti*

17:10-18:00 Closure: what's next? New projects and proposals, Fosca Giannotti and Mirco Nanni

In order to better manage the meals, please register:

<https://doodle.com/poll/4xhqtq8zidm7fu3a>