

Simone Centellegher

Curriculum Vitae

Trento, Italy

✉ centellegher@fbk.eu

📄 scentellegher.github.io

🌐 it.linkedin.com/in/scentellegher

Education

- Nov 2015–Apr 2019 **PhD in Information and Communication Technology**, *University of Trento, Fondazione Bruno Kessler (FBK), Italy*
- 2012–2015 **Master's degree in Computer Science**, *University of Trento, Italy*
- 2008–2012 **Bachelor's degree in Computer Science**, *University of Trento, Italy*

Experience

Professional experience

- 2019–current **Researcher**, *Fondazione Bruno Kessler, Italy*, Researcher and Data Scientist in the Mobile and Social Computing Lab
- 2015–2019 **PhD Student**, *Fondazione Bruno Kessler, Italy*, PhD student in the Mobile and Social Computing Lab led by Bruno Lepri
Understanding human behaviour from data generated by mobile phones, social media, credit card transactions.
- Jun 2018–Sep 2018 **Data Scientist Intern**, *Vodafone plc, UK, London*
Worked on a project that involved mobile phone data (CDRs) and mobile money transaction (M-Pesa)
- Jun 2017–Oct 2017 **Data Scientist Intern**, *Vodafone plc, UK, London*
The project involved the study, the analysis and the processing of a dataset that included mobile phone data (CDRs) and mobile money transaction (M-Pesa). The objective of this work was to understand customers' behavior and interaction patterns from CDRs, in order to unveil possible relationships with the customers money transactions. We then used these insights to build and develop predictive models.
- Aug 2016–Sep 2016 **Visiting Student**, *Scalable Cooperation group, MIT Media Lab, Cambridge, MA, US*
Exploration of the relationship between income inequality and job automation.

Projects

- 2019 **Fondazione Bruno Kessler, Trento, Italy**
Ciudata Segura, investigating the risk factors of crime in Colombia.
- 2018 **Intesa San Paolo, Turin, Italy**
Understanding the relationship between credit card transaction data and health.
- 2016 **International Game Technology plc (IGT), Rome, Italy**
From IGT data, census data and OpenStreetMap data we developed a model to understand the key drivers of the success of a game room.

Publications

Centellegher S, Miritello G, Villatoro D, Parameshwar D, Lepri B, Oliver N. **Mobile Money: Understanding and Predicting its Adoption and Use in a Developing Economy**. Proceedings of the ACM on Interactive, Mobile, Wearable and Ubiquitous Technologies. 2018 Dec 27;2(4):157.

Centellegher S, López E, Saramäki J, Lepri B. **Personality traits and ego-network dynamics**. PloS one. 2017 Mar 2;12(3):e0173110.

Centellegher S, De Nadai M, Caraviello M, Leonardi C, Vescovi M, Ramadian Y, Oliver N, Pianesi F, Pentland A, Antonelli F, Lepri B. **The Mobile Territorial Lab: a multilayered and dynamic view on parents' daily lives**. EPJ Data Science. 2016 Dec 1;5(1):3.

Guerrieri A, Montresor A, Centellegher S. **ETSCH: Partition-centric Graph Processing**. In Ubiquitous Intelligence & Computing, Advanced and Trusted Computing, Scalable Computing and Communications, Cloud and Big Data Computing, Internet of People, and Smart World Congress (UIC/ATC/ScalCom/CBDCom/IoP/SmartWorld), 2016 Intl IEEE Conferences 2016 Jul 18 (pp. 706-713). IEEE.

Attendance to Schools and Conferences

- Sep 2019 **Ubicomp Conference, London, UK**
Oral Presentation in the "IoT and Society" session.
- Jul 2019 **IC2S2 Conference, Amsterdam, Netherlands**
Oral Presentation in the "Finance and Economics" session.
- Jul 2017 **Summer School Series on Methods for Computational Social Science, Sant'Antioco, Sardinia, Italy**
Summer School.
- Apr 2017 **NetMob Conference, Milan, Italy**
Oral Presentation in the "Social networks" session.
- Jan 2017 **NetSciX 2017 Conference, Tel-Aviv, Israel**
Oral Presentation in the parallel session "Social and political networks".
- May 2016 **Complex network: theory, methods and applications II, Como, Italy**
Summer School.

Skills

Programming Languages *Advanced*: Python (Pandas, Numpy, Scipy, Matplotlib), pySpark, Java, HTML, CSS, SQL
Intermediate: C, C++, Javascript

Languages

Italian **Native**
English **Fluent**