

# Simone Centellegher

## Curriculum Vitae

Trento, Italy

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### Education

- 2015–current **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

- 2015–current **PhD Student**, *Fondazione Bruno Kessler, Italy*, PhD student in the Mobile and Social Computing Lab led by Bruno Lepri  
My research interests include understanding human behaviours from data generated by mobile phones, social media, credit card transactions and transportation cards, as basis for designing effective strategies for behavioural change and to induce cooperative and positive behaviours.
- 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

- 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.

#### Volunteering experience

- Sep 2016 **Volunteer**, *ECML PKDD 2016, Italy*, Volunteer at the European Conference on Machine Learning and Principles and Practice of Knowledge Discovery in Databases

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## Publications

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.

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## Attendance to Schools and Conferences

- 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.

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## Skills

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

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## Languages

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