

# Sara Sottile

*Ph.D. student*

Department of Mathematics

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📄 <https://sarasottile.github.io/>

Date of birth: 10/09/1995



## Education

- Nov 2019 - Present **Ph.D. in Mathematics**, *University of Trento*.  
Trento (IT) Research fellowship in "mathematical models of epidemics"  
Supervisor: Prof. Andrea Pugliese
- Oct 2017 - Jul 2019 **M.Sc. in Mathematics (Modellistic Curriculum)**, *University of Turin*.  
Turin (IT) Thesis: "Epidemic Models: a Switch Control for Networks"  
Supervisor: Prof. Lorenzo Fatibene  
Co-supervisor: Prof. Xinzhi Liu  
Grade: 110/110 cum Laude
- Jan - Apr 2019 **M.Sc. in Applied Mathematics**, *University of Waterloo*.  
Waterloo (CA) Exchange Program  
GPA: 86/100
- Sep 2014 - Oct 2017 **B.Sc. in Mathematics**, *University of Bari "A. Moro"*.  
Bari (IT) Thesis: "About Constitutive Equations in Thermodynamics"  
Supervisor: Prof. Arcangelo Labianca  
Grade: 107/110
- Sep 2009 - Jul 2014 **Scientific High School Diploma**, *High School "A. Volta"*.  
Foggia (IT) Grade: 100/100

## Experience

- Nov - Dec 2018 **Administration activities**, *Research Area of School of Science of Nature*, Turin (IT).
- Sep 29, 2017 **Scientific Entertainer**, *European Researchers' Night 2017*, Bari (IT).
- Sep 2012 **Business Administration Intern at Regus**, *Internship*, London (UK).

## Participations

- 4-7 Feb 2020 **11th Conference on Dynamical Systems Applied to Biology and Natural Sciences DSABNS**.  
Trento (IT) Presented a poster named "*Time-varying epidemic transmission in heterogeneous networks*".

## Preprints

- [1] **Pugliese, A. and Sottile, S.**, *Inferring the COVID-19 infection curve in Italy*, 2020, Preprint.  
<https://arxiv.org/pdf/2004.09404.pdf>

## IT Skills

- Programming MATLAB, Python, R, C/C++, Maple, XTPAUT, HTML
- Operative Systems Windows, Linux
- Softwares LaTeX, Word, Excel, PowerPoint

## Languages

- Mother tongue Italian
- Other languages English (B2), Spanish (A2)

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## Certificates

Jun 2018 **English IELTS Academic**, Band Score 6.5 (CEFR Level B2).

Jun 2009 **ECDL Certification**, European Computer Driving Licence.