



Personal information

Surname / First name
Personal Email
Nationality
Date of birth
Gender

Mimun, Hlafo Alfie

mimun@mat.uniroma1.it
Italian
May 21, 1992
Male

Education and formation

Date (from)
Name and type of institute of
education and formation
Principal professional
subjects/skills under study

December 2019
Luiss (Rome, Italy)

Opinion dynamics, segregation models, game theory, stochastic processes

Qualification
PI

Postdoc
Marco Scarsini (Luiss)

Date (from-to)
Name and type of institute of
education and formation
Principal professional
subjects/skills under study

November 2016- November 2019
University of Rome "Sapienza" (Rome, Italy)

Thesis: Percolation in the Miller-Abrahams random resistor network

Qualification
Advisor

Phd Student in Mathematics
Alessandra Faggionato (University of Rome "Sapienza")

Date (from-to)
Name and type of institute of
education and formation
Principal professional
subjects/skills under study

September 2014 - July 18, 2016
University of Rome "Sapienza" (Rome, Italy)

Thesis: Dimension reduction for discrete disordered elastic systems: a case study

Qualification achieved
Advisor

Master Degree in Applied Mathematics (honours degree)
Adriana Garroni (University of Rome "Sapienza") and Marco Cicalese (Technische Universität München)

Date (from - to)
Name and type of institute of
education and formation

September 2011 - July 22, 2014
University of Rome "Sapienza" (Rome, Italy)

Principal professional subjects/skills under study

Qualification achieved

Advisor

Date (from - to)

Name and type of institute of education and formation

Qualification achieved

Thesis: Boltzmann-Grad limit

Bachelor Degree in Mathematics (honours degree)

Dario Benedetto (University of Rome "Sapienza")

September 2005 - July 2011

State high school "Maria Montessori" (Rome, Italy)

Scientific (PNI) school-leaving certificate

Research interests

Probability, percolation, resistor networks, stochastic processes, game theory, statistical mechanics, mathematical physics, disordered systems, complex networks, opinion dynamics, variational problems, mean field games. I am also very interested to applications to social problems, informatics, biology.

Skills and personal competences

Mother tongue

Other languages

*Self-assessment
European level^(*)*

English

German

French

Italian

English, German, French. I have basic knowledge of Hebrew.

Understanding		Speaking		Writing
Listening	Reading	Spoken interaction	Spoken production	
B1 Independent user	B1 Independent user	B1 Independent user	B1 Independent user	B1 Independent user
A1 Basic user	A1 Basic user	A1 Basic user	A1 Basic user	A1 Basic user
A1 Basic user	A1 Basic user	A1 Basic user	A1 Basic user	A1 Basic user

^(*) Common European Framework of Reference (CEF) level

Skills and technical competences

Good knowledge of computer programs (Office). Good knowledge of the following programming languages: C, C++, Fortran, Matlab, Latex. Some knowledge about HTML.

Awards

Scholarships

Winner of Elfer's scholarships in 2015.

Prizes

Honoured as excellent graduate by the University of Rome "Sapienza" in 2016.

Advanced Courses

I attended advanced courses during the bachelor and master program.

Publications

A. Faggionato, H. A. Mimun. *Connection probabilities in Poisson random graphs with uniformly bounded edges*. ALEA, Volume XVI, pages 463-486 (2019).

A. Faggionato, H. A. Mimun. *Left-right crossings in the Miller-Abrahams random resistor network on a Poisson point process*. Preprint arXiv:1912.07482.

Experiences abroad

Erasmus

During the last semester of the master program (March 2016- June 2016) I have taken part in the Erasmus project. I have been in Munich (Germany) in order to write my master thesis.

Seminars

“Percolation in the Miller-Abrahams random resistor network”, Rome, 16/12/2019.

“Sharp phase transition for clusters with high conductivity in the Miller-Abrahams random resistor network”, Padua, 3/7/2018.

“Dimension reduction for discrete disordered elastic systems: a case study”, Rome, 21/11/2016.

Schools and conferences

Nice summer school on random walks and complex networks, Nice, France (8-19/07/2019).

Second Italian Meeting on Probability and Mathematical Statistics, Vietri sul Mare, Italy (17-20/06/2019).

Advances in Statistical Mechanics, at the Cirm in Marseille, France (27-31/8/2018).

48th Probability Summer School Saint-Flour, France (8-20/07/2018).

IST Austria Summer School in Probability and Mathematical Physics at the Institute of Science and Technology Austria (IST Austria), Austria (4-8/06/2018).

Thermodynamics and Statistical Mechanics of Small Systems at the University of Rome “Sapienza”, Italy (18-20/09/2017).

Ninth summer school in analysis and applied mathematics at the University of Rome “Sapienza”, Italy (5-9/06/2017).

Pre-school on stochastic dynamics out of equilibrium at the Cirm in Marseille, France (3/4/2017-7/4/2017).

Teaching

2018/2019: Tutor for the course “Mathematics” of the bachelor program in “Management and Computer Science” at the University of Rome “LUISS”.

2017/2018: Tutor for the course “Probability and application in finance” of the master program in “Economy and finance” at the University of Rome “LUISS”.

2017/2018: Tutor for the courses “Geometry” and “Analysis I” of the bachelor program in Civil and Industrial Engineering at the University of Rome “Sapienza”.

2016/2017: Tutor for the remedial courses “Linear Algebra” and “Calculus I” of the bachelor program in “Mathematics” at the University of Rome “Sapienza”.