

GIULIA GRONCHI

02.10.1994 (Livorno)
date and place of birth

Via Germano Sommeiller, 25 00185 Roma
residential address

+39 338 8159321
phone number

gronchi.giulia@gmail.com
email address



EDUCATION

- 2017 / 2020 **MSc - Theoretical Physics, Sapienza Università di Roma**
Interests: Stochastic Thermodynamics, Stochastic Processes, Active Matter, Computational Statistical Mechanics, Complex Systems, Critical Phenomena and Disordered Systems, Ecology, Non-Linear Physics.
Dissertation: "A stochastic heat engine model with a non-interacting bacteria bath."
Supervisor: A. Puglisi, CNR
Within the theoretical framework of stochastic processes it is possible to rebuild a statistical mechanics for a single micrometre-sized particle. Through numerical studies and linear approximations I defined a model of a stochastic heat engine of a colloidal particle in an active bath.
Final mark: 110 / 110
- 2019 Erasmus+ SEMP Programme, University of Geneva, Switzerland
- 2018 Laser Transmission Spectroscopy (LTS), Laboratory experience, Sapienza Università di Roma
an alternative technique to DLS to measure size and absolute concentration of nanoparticles
- 2013 / 2017 **BSc - Physics, Sapienza Università di Roma**
Dissertation: "Entanglement, non-locality and quantum teleportation."
Supervisor: F. Sciarrino, La Sapienza
Final mark: 107 / 110
- 2008 / 2013 **High school diploma, Liceo scientifico 'Galileo Galilei' Siena**
Final mark: 100 / 100

PROFESSIONAL WORK EXPERIENCE

- 06.2017 / 07.2017 **Extracurricular internship, University College Dublin, Ireland**
Final poster presentation on Social Dynamics and Collective Phenomena with numerical methods
- 2018 / 2020 **Merit-based Internship, Sapienza Università di Roma, SORT office**
- 2016 / 2017 **Merit-based Internship, Sapienza Università di Roma, Pontecorvo Laboratories**

DIGITAL SKILLS

Operating system	Linux
Programming languages	C, Fortran95, Python
Utilities	Mathematica, Gnuplot, LaTeX, R, Origin

LANGUAGES

Italian	Native
English	Cambridge FIRST -B2
Spanish	Beginner
French	Beginner

SOFT SKILLS AND INTERESTS

Problem solving, teamwork, curiosity, leadership
Scout experience - 2009 / 2013 (Siena)
Piano studies - 2007 / 2015 (Musical and cultural school 'Diapason', Siena)