

Curriculum Vitae

PERSONAL DATA

Complete Name: Martina Pugliese
Nationality: Italian
Date of birth: 27th December, 1986
Birthplace: Erba (CO), Italy

Home address:
Cell. Number:
E-mail:

EDUCATION

Sapienza - Università di Roma, Rome, Italy:

- PhD in Physics, November 2011 - 2014 (expected)
- Master's Degree, Physics, theoretical curriculum, 28th October, 2011
grade: 110/110 *cum laude*
Thesis Title: *Modelling viral evolutionary dynamics with epistatic interactions*
Advisor: Prof. V. Loreto, External Advisor: Dr. F. Tria
- Bachelor's Degree, Physics, 3rd November, 2009
grade: 110/110
Thesis Title: *Equazione di Dirac in uno spazio curvo*
Advisor: Prof. G. Martinelli

Università di Napoli "Federico II", Naples, Italy:

- One year of Mathematics, 2005-2006

Liceo Scientifico "A. Labriola", Naples, Italy:

- High School Scientific Qualification (Diploma), July 2005
grade: 100/100

MAIN RESEARCH INTERESTS

I work in the field of Complex Systems. I am particularly interested in the implementation of models in computational linguistics and social science. My PhD topic is focused on the study of the emergence of consensus in a population of many interacting individuals that live on a social network.

METHODOLOGY

I use paradigms coming from statistical physics to analyze the collective features of systems with many agents. I implement numerical models and I perform data analysis, apart from looking at analytical estimates.

COMPUTER SKILLS

Programming Languages and tools:

- C, C++, Fortran, Python
- HTML, CSS, Javascript
- R, Octave, Mathematica
- Gnuplot
- the TeX typesetting system, Microsoft Office, OpenOffice

Operating systems:

- Unix and Microsoft Windows families

LANGUAGES AND PROFICIENCY

- Italian (native)
- English (fluent)
- German (intermediate)
- Chinese (elementary)

AWARDS

- INPDAP (Italian State) scholarship for university merits, 2009
- PhD fellowship 2011-2014, Sapienza Università di Roma

CONFERENCES AND SCHOOLS ATTENDED

- Biophys11, biology and beyond, September 7-9 2011, Arcidosso, Italy
- Lipari Summer School on Computational Complex Systems, July 14-21, 2012, Lipari, Italy
- Concetti e tecniche della probabilità in fisica, biologia e scienze sociali, September 3-5, 2012, Urbino, Italy

TEACHING EXPERIENCE

- Exercises assistant for the course of Quantum Mechanics, Oct-Dec 2012, Sapienza Università di Roma

MEMBERSHIPS

- Member of the SIF (Italian Physical Society), 2009 - present
- Member of the EPS (European Physical Society), 2010 - present
- Member of the Rome Young Minds Section (project carried out by the EPS - European Physical Society), 2010 - present
- Member of the "Accatagliato" voluntary association of physics students and researchers, 2011 - present

CERTIFICATIONS

- Musical title "Solfeggio e teoria musicale", Conservatory "San Pietro a Majella", Naples, Italy, 2004
- Piano title "Compimento inferiore", Conservatory "U. Giordano", Rodi Garganico, Italy, 2005
- Chinese language A1 level, Confucius Institute, Rome, Italy, 2011
- HSK level 1 certification, June 2011

OTHER ACTIVITIES AND INTERESTS

I am part of the Editorial Staff of the Journal "Accastampato", a science popularization journal, part of a project carried on by students and young researchers. I also keep a column on it, writing about the relation between science and music.

I enjoy learning everything I can and improving my skills.
During my spare time, I play the piano, I swim, I read.