



Ciro Taranto

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I am a physicist, with theoretical and computational background. I am curious, and passionate about uncovering patterns, creating models and understanding data.

Carrer

2015–2017 **Postdoc**, *Max Planck Institute for Solid State Research*, Stuttgart.
I am managing independent research. I co-supervise a Ph.D. student.

2014–2015 **Postdoc**, *Vienna University of Technology*, Vienna.
I am performing large-scale numerical calculation and analysing the data.

Education

2010–2014 **Ph.D. in Theoretical physics**, *TU Wien*, Vienna, *cum laude*.
I apply numerical methods to condensed matter physics, I co-supervise a master student.

2008–2010 **Master in Theoretical physics**, *University of Bari*, Bari, 110/110 *cum laude*,
awarded as best physics student of the year.
I study theoretical physics. I enjoy physics and mathematics.

2005–2008 **Bachelor in Physics**, *University di Bari*, Bari, 110/110 *cum laude*.
I study physics. I become familiar with physics and mathematics.

2000–2005 **High School**, *Liceo Scientifico O. Tedone*, Ruvo di Puglia, 100/100.
I become a critical thinker. I become passionate about science.

Computer Skills

Python *My ideal working tool. I use numpy, matplotlib and, recently, pandas and scikit.*

C++ *My last two projects are written in C++ using boost and openMP.*

Fortran *My first steps in computation were in Fortran. I used llapack and MPI parallelization.*

Mathematica *I used Mathematica during my master, and still enjoy it.*

git *I share work with my colleagues using git.*

Linux & iOS *Command line is the way.*

L^AT_EX, Office *...and whatever else I might need to get the job done.*

Personal Skills

- Curious and passionate about learning
- Determined.
- Objective driven.
- Intuitive.
- Social and communicative.

Language Skills

Italian	Mothertongue
English	Proficient proficiency
German	Independent speaker
Spanish	Independent speaker

Scientific results

- Coauthor of 8 peer reviewed publications
- Active collaborations with more than 30 scientists from Europe, US, Japan and Russia
- Referee for Physical Review since 2012

Selected publications

- **arXiv:1307.3475** I combine two existing theories to propose a new method for correlated quantum systems. I started the implementation of the code in a two-weeks visit to Ekaterinburg.
- **arXiv:1112.5003** (*editor suggestion*) We compare model and experiment to reveal hidden properties of a system.

Interests

- Travelling, visited countries count: 37
- Sport: Marathon runner (personal best 3h 1m), climbing & bouldering, soccer
- Reading

Personal Details

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