

Michele Galasso

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Materials Discovery Laboratory

Skolkovo Institute of Science and Technology

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D.O.B. 22 April 1993 | Italian



EDUCATION

Skolkovo Institute of Science and Technology, Moscow (Russia)

November 2017 – present

PhD student in Materials Science, working in the research group of Computational Materials Discovery.

- Developing algorithms for the discovery of new magnetic materials
- Implementing the created algorithms in Python code

KTH – Royal Institute of Technology, Stockholm (Sweden)

August 2015 – August 2017

Master of Science in Engineering Physic. GPA 3.80/4.

Specialization in Theoretical Physics. High focus on quantum and statistical mechanics, advanced mathematics, computer simulations and problem solving. Thesis: *Designing a new algorithm for crystal structure prediction in magnetic materials.*

Extracurricular activities: first saxophone of the KTH Academic Orchestra

Politecnico di Torino, Turin (Italy)

October 2012 – July 2015

Bachelor of Science in Engineering Physics. Final grade 107/110.

Classical and modern physics was covered, with a particular emphasis on quantum mechanics, complex systems and solid state physics. Applied physics regarded mainly electronics, electromagnetism and photonics.

Extracurricular activities: member of BEST (Board of European Students of Technology)

RESEARCH EXPERIENCE

Osaka University, Osaka (Japan)

30 June – 27 August 2017

Summer intern in the research group of Mathematical Modeling in Finance.

- Studied financial models described by partial and stochastic differential equations
- Implemented algorithms for the numerical solution of differential equations using C and MATLAB

VOLUNTEERING EXPERIENCE

BEST – Board of European Students of Technology

October 2013 – June 2015

Active member of this international student organization which promotes courses about technology, engineering and architecture competitions and cultural exchanges between 95 universities in 32 European countries.

Roles of responsibility in Turin:

- **Core Team member** of a *Spring Course* (Turin, 2015)
 - Coordinated the arrival and departure of 24 international participants
- **Main Organizer** of a *Regional Meeting* between representatives of 9 universities (Turin, 2014)
 - Coordinated the team, managed the budget

Educational events attended abroad:

- *Summer Course* about the use of OneLab in the field of Finite Element Modeling (Liège, 2016)
- *Summer Course* about how technology can improve tourism in Lisbon (Lisbon, 2015)
- *Cultural Exchange* between the BEST groups of Turin, Delft and Ekaterinburg (Ekaterinburg, 2014)
- *Spring Course* about renewable energies and sustainable business practices (Delft, 2013)

LANGUAGES

Italian	Native
English	TOEFL iBT 93, full professional proficiency
Russian	B2, professional working proficiency
Swedish	B2, fluent in writing and speaking

COMPUTER SKILLS

- Python (advanced)
- MATLAB (advanced)
- L^AT_EX typesetting (advanced)
- Linux Ubuntu and Fedora operating systems (advanced)
- C programming (intermediate)
- Bash and SQL (intermediate)

ADDITIONAL ACHIEVEMENTS

Conservatorio di Musica *Giuseppe Verdi*, Turin (Italy)

November 2007 – July 2015

Master of Arts in Music Performance applied to Saxophone. Final grade 9/10.