Curriculum vitae

Matteo Campo

Mainz (Germany)
matteo_campo91@live.it
physteo.github.io

Date of birth 07/06/1991 | Nationality Italian

SKILLS

Programming

C++, Python, Bash, Awk, Tcl, Latex, Microsoft Office, Blender.

Operating Systems: Windows and Linux.

Analytical skills

I have an **analytic** approach to **problem solving** that I developed doing research and studying physics and computer science.

Soft skills

I always bring **positivity** and **enthusiasm** when working in a **team**.
I am passionate about **learning** and widening my knowledge.

EDUCATION

Sep 2015–Present

Ph.D. Student

Research in Computational Statistical Physics. Topics: slow dynamics in dense hard sphere liquids and biology-inspired active matter. Supervisor: Prof. Dr. Thomas Speck.

Teaching assistance for three classes: Classical Mechanics (2016), Electrodynamics (2017), Advanced Statistical Physics (2018). Duties: frontal teaching, grading of homework and exams, tutoring of computational projects.

Expected Graduation: Summer 2019

Sep 2013 – Jul 2015

Master of Science in Computational Physics

110L/110 cum Laude

Joint Programme between École Normale Supérieure (ENS) Lyon, University of Rome 'La Sapienza', Vrije Universiteit Amsterdam.

Three degrees:

- Master de Sciences de la Matière, **ENS Lyon**
- Master in Physics, University **La Sapienza of Rome**
- Master in Chemistry, **VU Amsterdam**

Principal subject: **Theoretical and Computational Statistical Physics**.

Thesis Title: "Dynamical phase transition in a dense polydisperse hard-sphere liquid".

Supervisor: Prof. Dr. Thomas Speck, Johannes Gutenberg-Universität Mainz

Oct 2010 – Jul 2013

Laurea Triennale in Fisica (Bachelor of Science in Physics)

110L/110 cum Laude

University of Rome ‘La Sapienza’, Rome (Italy)

INTERNSHIPS

Aug 2017 – Dec 2017

Guest researcher, University of Kyoto (Japan)

Research in computational statistical mechanics with Prof. Ryoichi Yamamoto. Topic: **simulation** of coarse-grained models of **crawling cells**.

Lug 2012 – Sep 2012

Visiting student, University of Glasgow (UK)

Research in computational statistics, with Prof. Maurizio Filippone and Prof. Alessandro Vinciarelli. Topic: **bayesian** and **causal inference**.

PUBLICATIONS

- **Campo, M.**, Schnyder, S. K., Molina, J. J., Speck, T., & Yamamoto, R. (2019). Spontaneous Spatiotemporal Ordering of Shape Oscillations Enhances Cell Migration. *arXiv preprint arXiv*:1901.06707.

- Pinchaipat, R., **Campo, M**., Turci, F., Hallett, J. E., Speck, T., & Royall, C. P. (2017). Experimental Evidence for a Structural-Dynamical Transition in Trajectory Space. *Physical Review Letters*, 119(2), 028004.

- **Campo, M.**, and Speck T. Polydisperse hard spheres: crystallization kinetics in small systems and role of local structure. *Journal of Statistical Mechanics: Theory and Experiment* 2016.8 (2016): 084007. APA.

- **Campo, M.**, Polychroniou, A., Salamin, H., Filippone, M., & Vinciarelli, A. (2013). Towards Causal Modeling of Human Behavior. In *Neural Nets and Surroundings* (pp. 337-344). Springer, Berlin, Heidelberg.