

Curriculum Vitae et Studiorum

Personal information

Nationality Italian
Place of birth Tagliacozzo, L'Aquila, Italy
Citizenship Italian
Personal homepage <https://argiarubeo.github.io/>

Positions

2020 HPC specialist and developer at Cineca, Bologna
2018 - 2019 Postdoctoral Research Fellow at Plymouth University

Education

2019 **Ph.D.** as winner of the "Hamilton Scholar" at Trinity College Dublin, Ireland
Title *On the Symanzik improvement of gradient flow observables*
Supervisor Prof. Stefan Sint

2013 **Master degree (Laurea Magistrale)** in Particle Physics from “Sapienza”, University of Rome (110/110)
Title *Numerical study of the $q\bar{q}$ static potential in the temporal gauge*
Supervisor Prof. Massimo Testa

Teaching

2017 Teaching assistant for the undergraduate course of *Quantum Mechanics II*. Degree program in Physics, Trinity College Dublin (TCD), Ireland. (One semester)

2016 Teaching assistant for the undergraduate course of *Quantum Mechanics*. Degree program in Physics, Trinity College Dublin (TCD), Ireland. (One semester)

2015 Tutorials in Linear Algebra for Science students at TCD, (10 hours);
Tutorials in Quantum Mechanics for Physics students at TCD, (10 hours)

Computer skills

Programming Python, C, C++, bash, Gnuplot, Octave, LaTeX, MPI, openMP, Mathematica
Operating systems Linux, Mac OsX and MS Windows

Languages

Italian Native language

English Proficient level (IELTS certificate)

Scientific dissemination

- 2018 Interviews at the IQF conference to *Prof. Duncan Haldane (Nobel Laureate in Physics 2016)* and *Dr. Sabine Hossenfelder* about their scientific experiences and thoughts.
- 2017 Interview for for the Italian journal "OggiScienza" (<https://oggiscienza.it/2017/11/20/nuova-fisica-andare-oltre-modello-standard/>) as a researcher working abroad.
- 2017 Organizer of a particle Physics CERN masterclass at Trinity College Dublin together with Dr. M. Krstic Marinkovic .
- 2017 Videoconference with a Serbian city to explain my research together with my colleagues Dr. M. Krstic Marinkovic and Dr. D. Wilson in the context of Researchers' Night.
- 2016 Co-author of the chapter "Nanofisica e fisica delle particelle elementari" ("Nanophysics and Particle Physics") related to Particle Physics, in the book for highschool students "Fisica e realtà.blu 3" ("Physics and reality.blu 3") and revisor of the exercises of volume 1 and 2. Publishing company "Zanichelli"
- 2015 As a winner applicant for the Thesis-in-3 event, I have presented my PhD project, in the context of "*Discover Research Dublin, Sept 25th 2015*".
I participated in a particle Physics masterclass event for secondary school students, explaining and helping students in a data-analysis exercise organized by CERN.
- 2010 I was among the founders of the magazine "*accastampato*", a journal of scientific divulgation currently distributed in free prints to high schools in Italy (www.accastampato.it).
I collaborated with "*Frascati Scienza*" for "*European Researchers' Night 2010*"
- 2009 I collaborated as a scientific advisor in the organization of the Science Festival "*Il Cielo di Argoli* ", Tagliacozzo (AQ)