

MATTEO BARBETTI Curriculum Vitae

EXPERIENCE

Tutoring

- 10/2018 – present Teaching assistant Università degli Studi di Firenze
I am currently the tutor assigned to the Physics laboratories of the bachelor courses of Physics and Biology at the University of Florence. I deal with teaching support and assist during the laboratory activities.
[200 hours (10/2018 – 10/2019) + 150 hours (10/2019 – 12/2020)]
- 09/2016 – present Maths and Physics reps teacher
Private lessons of Maths and Physics for high-school and university students.
- 06/2018 – 10/2018 Student assistant Università degli Studi di Firenze
Before being a teaching assistant, I dealt with the welcome and orientation service for the Faculty of Science of the University of Florence.
[200 hours (06/2018 – 12/2018)]

Experience Abroad

- Geneva, Switzerland Master thesis work at CERN INFN
09/2019 – 12/2019 *A scholarship funded by the National Institute for Nuclear Physics (INFN) has offered to me the opportunity of passing three months at CERN to develop generative models useful for the simulation framework of the LHCb experiment.*
- Geneva, Switzerland Bachelor thesis work at CERN Università degli Studi di Firenze
07/2017 *A scholarship funded by the University of Florence has allowed me to spend two weeks at CERN to complete the analysis and to present the work done to a physics working group of the LHCb Collaboration.*

Italian Association of Physics Students

The Italian Association of Physics Students (AISF) promotes collaborations among Italian physics students in an international and global context. Its members are Local Committees and individual members, that gather together regularly in conferences and local, national and international events.

- 10/2019 – present Secretary
I currently hold the position of National Secretary for AISF, and I am member of the Executive Committee that organizes and coordinates the Italian Local Committees.
- 05/2018 – present Member of the Editorial Board of Sistemi di Riferimento
I pursue the Sistemi di Riferimento (SdR) project, a vulgarization activity to valorise the Italian Physics Departments.
- 11/2018 – 05/2019 President of the Florence Local Committee
Before becoming Secretary of AISF, I held the position of President of the Florence Local Committee, during which I organized several science dissemination events.
- 12/2017 – 11/2018 Deputy-President of the Florence Local Committee
Support to events organization and Local Committee coordination.

Other experiences

09/2016 – 12/2016	<u>Science Library assistant</u> <i>Part-time job at the Science Library of the University of Florence.</i> [150 hours (09/2016 – 12/2016)]	Università degli Studi di Firenze
03/2011 – 08/2013	<u>Basketball officer</u> <i>Referee assistant during basketball matches.</i>	Federazione Italiana Pallacanestro

CONFERENCES AND WORKSHOPS

2020	Summer School in Physical Sensing and Processing <i>Summer School aimed to discuss the pipeline from the detection to the processing of physical signals, focusing on the big data complexity and the computational aspects.</i> [20/07/2020 – 24/07/2020]	online
2019	Artificial Intelligence in Health and Well-Being <i>Workshop on Artificial Intelligence applied to health and well-being.</i> [29/05/2019]	Firenze, Italy
2019	Italian Conference of Physics Students 2019 <i>Participation with a workshop titled “Dietro l’Articolo SdR”.</i> [06/03/2019 – 10/03/2019]	Milano, Italy
2018	Italian Conference of Physics Students 2018 <i>Representative for the Florence Local Committee.</i> [20/04/2018 – 23/04/2018]	Pisa, Italy
2017	Italian Conference of Physics Students 2017 <i>Participation with a poster titled “I ragazzi di via Panisperna”.</i> [11/05/2017 – 14/05/2017]	Bari, Italy

OUTREACH AND DISSEMINATION

20/06/2019	<u>Participation at Caffè-Scienza event</u> <i>Presentation of the Florence Local Committee dissemination activities.</i>	AISF
24/05/2019	<u>Organizer of the outreach event “Tra clima e cocktail”</u> <i>In collaboration with Italian Climate Network, CNR and University of Florence.</i>	AISF
08/05/2019	<u>Organizer of the outreach event “Viaggio al Polo”</u> <i>In collaboration with Caffè-Scienza, INFN and University of Florence.</i>	AISF
19/05/2018	<u>Jury member</u> <i>Premio Galileo is a literary prize for scientific communication.</i>	Premio Galileo
16/05/2018	<u>Organizer for the Florence International Day of Light 2018</u> <i>Three scientific evenings focused on light at literary cafe La Cité.</i>	AISF
10/11/2017	<u>Organizer for the Florence IAPS School Day</u> <i>Physics experiments on acoustic aimed at high-school students.</i>	AISF
26/10/2017	<u>Organizer of the outreach event “The new particles of LHCb”</u> <i>In collaboration with the LHCb Florence Group.</i>	AISF
01/2017 – 02/2018	<u>Blog author</u> <i>Dissemination of science on Fisici Senza Palestra (FSP) blog.</i>	FSP

AWARDS

2019 **INFN scholarship**

INFN

Scholarship funded by INFN for spending three months at CERN.

2017 **Scholarship for thesis abroad**

Università degli Studi di Firenze

Scholarship funded by the University of Florence for spending two weeks at CERN.

2013 **Scholar merit award**

Liceo Scientifico G. Galilei di Terni

Merit award for the excellence of high-school career.

In compliance with the art. 46 and 47 of D.P.R. no. 445/2000 and further modifications, and aware of the consequences of making false statements, falsehood of acts and use of false facts, punishable by the law according to art. 75 and 76 D.P.R. no. 445/2000 and art. 496 of the Italian Penal Code, under my own responsibility, I declare that the information and facts in this document are truthful.

Firenze, 23/07/2020

Matteo Barbetti

