

PERSONAL INFORMATION **Biagio Ambrosio****WORK EXPERIENCE**

- October 2021 – Present **PhD Candidate in Astronomy - Development of technological tools for dissemination of Astronomy**
Università degli studi di Padova
Vicolo dell'Osservatorio, 3, Padova, Italy
Istituto Nazionale di Astrofisica - Osservatorio astronomico di Padova
Vicolo dell'Osservatorio, 5, Padova, Italy

EDUCATION AND TRAINING

- 2021–Present **PhD in Astronomy (to be obtained within December 2024)-Thesis Title: “Exploration of the Moon between communication and science”, Development of a Moon exploration experience in Virtual Reality**
Dipartimento di Astronomia, Università degli studi di Padova, Italy
Istituto Nazionale di Astrofisica - Osservatorio astronomico di Padova
Vicolo dell'Osservatorio, 5, Padova, Italy
- 2018–2021 **Master of Science in Astronomy and Astrophysics**
Dipartimento di Fisica, La Sapienza - Università di Roma, Italy
Focus on Planetary Science
– thesis topic: dynamical and chemical composition of Jupiter hotspots by analysis of JIRAM data
– laboratory activity: Mars mineralogy study by analysis of OMEGA hyperspectral data
– other relevant activities: N-body simulations of astronomical and physical models
Grades: 110/110 cum laude
- 2014–2018 **Bachelor of Science in Physics**
Dipartimento di Fisica, La Sapienza - Università di Roma, Italy
Focus on Astrophysics - thesis topic: dark matter evidences in Astrophysics
Grades: 100/110

TEACHING EXPERIENCE

- 15-05-2024 **Lecture at Università degli Studi di Padova - Dipartimento di Geoscienze**
Module 1: Introduction to public outreach and XR media
Module 2: Virtual Reality Experience - Development process and tools

CONFERENCES ATTENDANCE

- 01-05 July 2024 **EAS 2024 - Padova**
Hosting Committee, E-Poster presentation
- 23-27 April 2024 **.Astronomy13 - Madrid**
VR Demonstration, Unconference session
- 15-19 April 2024 **VITE II - Osservatorio Astronomico Roma**

Oral presentation, VR Demonstration

15-20 April 2024 **AFAS 2024 - Marrakech**
E-Poster presentation

04-09 February 2024 **XIX Congresso Nazionale di Scienze Planetarie - Bormio**
Poster presentation

19-22 September 2023 **EANA 2023 - Madrid**
Oral presentation

27-29 June 2023 **European Lunar Symposium 2023 - Padova**
Local Organizing Committee

7-14 May 2023 **BEACON 2023 - La Palma**
Poster presentation

28 November - 2 December 2022 **Realtà Virtuale e Realtà Aumentata per la diffusione della scienza: nuove frontiere e nuove sfide - Palermo**
VR Demonstration

SCHOOLS AND WORKSHOPS ATTENDANCE

12-13 March 2024 **University of Padova PhD Training Week**
Module 3 - How to communicate research: communication, dissemination and exploitation strategy
Module 4 - Responsible Research and Innovation: theories, practices and tools for the public engagement

18 - 21 October 2023 **ENGAGE 2023 - Arte e Scienza**

9 - 12 November 2022 **ENGAGE 2022 - Divulgare scienza e conoscenza: tecnologie e metodi innovativi**

7 - 14 September 2022 **Officina di Narrazione della Scienza (ONSCI)**

30 May - 1 June 2022 **Life on Earth and Beyond**

1 - 3 February 2022 **Una Roadmap per la Luna: Scienza e tecnologia**

4 - 6 November 2021 **ENGAGE 2021 - Comunicazione e divulgazione della scienza: metodi e strategie di successo**

PUBLIC OUTREACH

7 - 9 June 2024 **Festival dell'astronomia - L'Universo in tutti i sensi - SULLE TRACCE DEL TEMPO**
Activity Designer: "Che disordine questo Universo!", "Astrolabiolatorio: caccia al ladro tra le stelle"

- April - June 2024 **Padova a testa in su**
Astro-guide
- February - March 2024 **ViviPadova 2024**
Primary schools activities tutor
- 29-30 September 2023 **Science4All 2023**
Tutor, Activity Designer: "SolarSafari: avventure tra i pianeti"
- 31 August 2023 **Il cielo sopra Maratea**
Live talk contributor, telescopes observations guide
- 28 June 2023 **Next footprints on the Moon**
Organization member, technical support
- 9 - 11 June 2023 **Festival dell'astronomia - L'Universo in tutti i sensi**
Tutor
- 7 June 2023 **Arricchimenti incrociati tra passato e futuro - Scienza dal mondo islamico all'Europa di oggi**
Activity Designer: "Una caccia al tesoro al Museo Poleni"
- February - March 2023 **ViviPadova 2023**
Primary schools activities tutor
- 17 November 2022 **Sguardi sul cielo del Lazio**
Facebook live talk moderator
- 30 September 2022 **Notte europea dei ricercatori - Science4All 2022**
Tutor, Public talk contributor
- 8 - 10 June 2022 **Festival dell'astronomia - L'Universo attraente**
Activities Designer: "Chi si oppone alla gravità", "Costruisci la tua galassia", Tutor
- February - March 2022 **ViviPadova 2022 - Il cielo nella storia**
Primary schools activities tutor

PUBBLICATIONS

- April 2024 **Public outreach activity: "The gravity battle"**
<https://astroedu.iau.org/en/activities/the-gravity-battle>
 Waiting for the DOI

PERSONAL SKILLS

Mother tongue Italian

Other languages	UNDERSTANDING		SPEAKING		WRITING
	Listening	Reading	Spoken interaction	Spoken production	
English	B2	B2	B2	B2	B2

Levels: A1 and A2: Basic user – B1 and B2: Independent user – C1 and C2: Proficient user
Common European Framework of Reference for Languages

- Coding skills
- experience with C++
 - experience with C#
 - competent with IDL
 - competent with Python

- Other software skills
- competent with Unity
 - competent with Blender