

Marco Margini, Ph.D.

📍 Parma, Italia

in Marco Margini

👤 13 Marzo 1997

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Employment

- oct 2026 – today 📌 **Physicist**, Arpae CTR Piacenza. Simulations of EM fields, database management, technical reporting and coordination at the regional and national levels.
- nov 2024 – sept 2026 📌 **Junior Mathematician**, Quinel Italia. Analysis and certification of online slots and other casino games using Monte Carlo simulations in C++ and code review.
- oct 2023 – jan 2024 📌 **Tutor of the University of Trieste**, teaching Newtonian Physics to freshmen students enrolled at the faculty of Physics.
- oct 2020 – jul 2021 📌 **Tutor of the University of Padova**, teaching Physics 1 and Physics 2 courses to two detained students enrolled at the faculty of Informatics Engineering.
- jan 2019 📌 **Studio Concentra**, analysis and presentation of customer satisfaction data.

Education

- nov 2021 – oct 2024 📌 **Ph.D. at the University of Trieste** in Physics.
Thesis title: *Nano-scale Near-field Ptychography of Aerospace-grade Carbon Fibre Composites*.
- sep 2019 – sep 2021 📌 **Master degree at the University of Padova** in Astrophysics and Cosmology.
Thesis title: *A new perspective on Kepler-68: a scaled-down Solar System analog*.
Final evaluation: 110/110 cum laude.
- sep 2016 – jul 2019 📌 **Bachelor Degree at the University of Parma** in Physics.
Thesis title: *Calibrazione di uno strumento utilizzato nell'industria alimentare delle bevande per la misura della CO₂*.
Final evaluation: 110/110 cum laude.
- sep 2011 – jun 2016 📌 **Scientific Diploma at the Liceo Scientifico Attilio Bertolucci (Parma)**.
Final evaluation: 100/100.

Skills

- Languages 📌 Native Italian speaker, very good proficiency in written and spoken English, basic knowledge of French.
- Coding 📌 Very good Python and C++ knowledge, basic knowledge of Bash, Java, C# and similar.
- Soft 📌 Teamwork, problem-solving, organization, dedication, open-mindedness.

Hobbies

- 📌 **Hiking**. I love to spend time outdoor, especially on the mountains. Having attended the CAI youth mountaineering course for a few years, I learned how to tackle different alpine environments with the necessary preparation. Risk assessment and knowledge of my limits are skills that I have also transferred to my everyday life.

Hobbies (continued)

- **Astronomy.** I turned my degree into one of my greatest passions. I am a member of two amateur astronomy groups, having also actively participated in the founding of one of them. I love popularizing science and organizing evening observation sessions with my telescope. This has given me the ability to speak in public and improvise, which are very useful skills in everyday life.

Miscellaneous Experience

Awards and Achievements

- jun 2018 ■ **Merit Award** to the best student (according to a combination of CFU completed and grades) of the 2nd year of the Faculty of Physics, University of Parma.

Certifications

- oct 2022 ■ **Radiation Protection.** Course on radioprotection held by the University of Trieste.

Volunteering

- apr 2024 ■ **Plastic Free, Trieste.** Environment cleaning activity in a sub-urban area of Trieste.
- mar–may 2020 ■ **AUSER, Parma.** Delivery of food and other first necessity goods during the first months of the COVID-19 pandemic emergency.

Research Publications

Journal Articles

- 2023 ■ **A. S. Bonomo et al.** on A&A (<https://doi.org/10.1051/0004-6361/202346211>).
- 2023 ■ **F. De Marco et al.** on Optics Express (<https://doi.org/10.1364/OE.474794>).
- 2026 ■ **Y. Lee et al.** on Composites Part B (<https://doi.org/10.1016/j.compositesb.2026.113625>).

Conference Proceedings

- 2023 ■ **S. Savatović et al.** on JINST (<https://doi.org/10.1088/1748-0221/18/11/C11020>).
- 2024 ■ **M. Margini et al.** on NDT journal (<https://doi.org/10.58286/29271>).
- 2024 ■ **V. Di Trapani et al.** on JINST (<https://doi.org/10.1088/1748-0221/19/01/C01018>).

Conference talks

- 2024 ■ **M. Margini et al.** at ICT (Wels, Austria).
- 2024 ■ **M. Margini et al.** at X-TOP (Carry-le-rouet, France).

Conference Posters

- 2023 ■ **S. Savatović et al.** at IWoRID (Oslo, Norway).
- 2024 ■ **M. Margini et al.** at XRM (Lund, Sweden).

Declaration pursuant to D.P.R. 445/2000.

The undersigned, aware of the criminal liabilities in case of false statements, pursuant to Articles 46 and 47 of D.P.R. 445/2000, declares that the information provided in this curriculum vitae is true.

The undersigned also authorizes the processing of personal data in accordance with EU Regulation 2016/679 (GDPR).

Parma, 07/10/2026