

Fabio Lineu Favrin

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fabiofavrin.com

PhD in Physics with a background in materials engineering and nanotechnology. Experienced across academic and industrial environments, bridging advanced research and practical, real-world challenges. Skilled in data analysis, materials processing, and project management, with a track record of leading international collaborations and delivering innovation with direct impact on industrial applications.

Professional experience

Process Engineer

March 2026 – Present

Saint-Gobain Italia – Vidalengo, Bergamo (Italy)

- Process engineer on the Isover insulation production products, working on the optimization of the glass wool fiber formation process and subsequent downstream operations.

Visiting Researcher

April 2025 - November 2025

University of Oregon - Eugene, Oregon (USA)

- Led a joint project between University of Pisa and University of Oregon on jet-deflection melt electrowriting, an advanced 3D printing technique.
- Developed innovative platforms for tissue engineering applications.

Research fellow

September 2021 - February 2023

Scuola Normale Superiore - Pisa (Italy)

- Designed and fabricated polymeric nanofiber-based optical fiber coatings in collaboration with Tratos SpA (industrial partner).

Quality control engineer

October 2017 - June 2018

Mollificio Cappeller S.p.A. - Cartigliano (Italy)

- Conducted quality control across the production chain, from raw materials to final spring components.
- Implemented digital tools to automate data collection in product characterization.

Education

PhD Physics, 2023 - 2026

University of Pisa - Pisa (Italy)

- Research on micro- and nanoscale substrates for biological interfaces in collaboration with an international consortium.
- Co-author of different publications ([Google scholar](#)) and contributor to national and international conferences.

Master's degree in Materials and Nanotechnology, 2018 - 2021

University of Pisa and Scuola Normale Superiore - Pisa (Italy)

Grade 110/110 with honors

Bachelor's degree Chemical and Materials engineering, 2014 - 2018

University of Padova – Padova (Italy)

Projects

- **Best poster winner at the 6th Cascadia Regenerative Medicine Symposium (Seattle, Oct 2025)**, presenting work on ultrafast 3D printing for cell sheet formation.
- Awarded for a project on robotics for healthcare during the **Seasonal School “From Minimally Invasive Surgery to Nanorobotics”** (2023), Sant’Anna School of Advanced Studies, Pisa.
- Organized and delivered **STEM outreach seminars** within the ISPIRA project (2022, Scuola Normale Superiore), encouraging young students and promoting diversity in science.
- Member of the **Organizing Team of TEDxPisa 2022**, contributing to event planning, speaker management, and public engagement.
- Joined the **Contamination Lab Pisa** (2020, University of Pisa), with training focused on innovative idea development, entrepreneurship, and startup creation.

Languages: *Italian, Portuguese* (Native) and *English* (Fluent)