

FBK launches the first edition of FBK Pioneers in Research

May 30, 2025

For university students, this is a unique opportunity to gain hands-on experience in a research environment. Applications are open until June 30, 2025. This year's theme: Quantum Technologies.

As part of its talent development program and commitment to fostering research careers among younger generations, FBK is launching a new initiative: the [**"FBK Pioneers in Research Summer School"**](#).

The school will take place **September 8 through 12, 2025** at the FBK premises at Povo and will feature two main pillars: hands-on experience and expert guidance.

Participants will spend a week at FBK exploring the world of research, exploring groundbreaking innovations and advanced tools in state-of-the-art laboratories, and gaining hands-on experience in a dynamic, intellectually stimulating environment.

The school is designed to offer master's degree students in **Computer Science, Engineering, Physics, or Chemistry** an immersive and engaging educational experience at the heart of innovation.

This first edition, titled **Quantum Pioneers**, will be organized in collaboration with the [**FBK Center for Sensors and Devices**](#) and will focus on **quantum technologies**, a rapidly evolving field with wide-ranging applications and increasing scientific and industrial relevance.

The program is designed to bridge the gap between theoretical knowledge and real-world applications, offering participants a high-level educational experience centered on scientific innovation. Students will have the opportunity to:

- **Closely follow the stages of semiconductor device fabrication**, accessing high-level Cleanroom and characterization laboratories, under the guidance of expert FBK researchers, with whom they can engage in a highly personalized and stimulating context;

- Experience a true **“quantum journey”** through dedicated lectures, delving into the scientific and technological aspects of **superconductivity and photonics**.

There are 15 spots available, and applications are open until June 30, 2025.

To **join** the school, applicants must complete the online form and submit a CV, a motivation letter, and a short video presentation. All information and the application form are available on the school's dedicated website: <https://researchpioneers.fbk.eu/eligibility/>

This initiative complements the [PhD Program](#), the [Web Valley](#) summer camp, and the many other opportunities for “research immersion” that FBK offers to new generations, from school students to those pursuing higher education.

This edition marks the launch of a broader project, which in the coming years will involve other FBK research centers, with the goal of exploring different scientific and technological topics—always with a hands-on approach aimed at cultivating the next generation of researchers.

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