

Fondo Sociale Europeo Plus 2021/2027

FSE+

Sportello 2025 P.S. 20/24

Sostegno alla realizzazione di dottorati di ricerca

With Decree No. 9526/GRFVG of February 28, 2025, the Friuli Venezia Giulia Region published the Notice regarding the submission of operations for Specific Program No. 20/24, which aims to support higher education through the realization of PhD programs.

Specific Programme 20/24, through the funding of doctoral scholarships, contributes to the achievement of the objectives of the Sustainable Smart Specialisation Strategy (S4). It supports the development or strengthening of integration with the regional production system and/or research organisations, through coordination and collaboration mechanisms with regional enterprises or research bodies, or by leveraging the potential for technology transfer of processes, products, applications, or, more broadly, research outcomes.

- Sportello 2025
- Ciclo 41
- CUP J93C25000640008
- Progetto 2025/6525/15

Dottorato in **Industrial and Information Engineering**

“Innovative Microstructured Metamaterials with Quasicrystalline Structure”

The proposed doctoral scholarship addresses an advanced research topic in the field of mechanics: the study of almost crystalline elastic waveguides. The purpose is to deepen the understanding of these materials, which are intermediate between crystalline materials (therefore ordered) and amorphous ones (with a random structure), by developing mathematical and modeling techniques capable of rigorously evaluating the self-similarity characteristics of the dynamic spectra. In the background lies the possibility of extending the study to two-dimensional systems for the creation of lattices and grids to be used in structural contexts, within mechanical and civil engineering.