

Regional Training Center for Advanced Structural Analysis

Training Center for Advanced Structural Analysis Opens at IPB

The Institute of Physics Belgrade officially opened the Training Center for Advanced Structural Analysis in December 2025 as a major infrastructure milestone within the Horizon Europe HIP-2D-QM project.

The new center includes a state-of-the-art X-ray diffractometer valued at €350,000 and introduces advanced atomic- and molecular-scale structural analysis capabilities that were previously unavailable in Serbia.



Opened:

12 December 2025

**Flagship
investment:**

X-ray diffractometer, €350,000

Regional role:

Training hub for researchers
across the Western Balkans

New Capability for Research and Training

The new center is designed not only as a laboratory, but as a platform for advanced measurement, knowledge transfer, and regional scientific collaboration.

What the center enables

- ▶ Advanced structural characterization of materials at atomic and molecular scale
- ▶ Use of X-ray diffraction methods newly available in Serbia
- ▶ Temperature-dependent and in-situ studies across a wide range, from -190 to $+600$ °C
- ▶ Training opportunities for researchers and future generations of scientists in the region

Why it matters

- ▶ Strengthens the experimental infrastructure of the Center for Solid State Physics and New Materials at IPB
- ▶ Expands institutional autonomy in advanced materials research
- ▶ Supports HIP-2D-QM goals in structural analysis of quantum and solid-state material
- ▶ Creates a foundation for future work linked to large-scale European facilities such as synchrotron and neutron infrastructures

Opening of the Training Center for Advanced Structural Analysis

