



## 5<sup>TH</sup> EPS-TIG HANDS-ON SESSION

# "FRONTIER OF QUANTUM TECHNOLOGIES"

SATELLITE EVENT AT THE 12<sup>TH</sup> CONGRESS OF  
THE BALKAN PHYSICAL UNION (BPU12)  
9-10 JULY, 2025, BUCHAREST, ROMANIA

### ORGANISING COMMITTEE:

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ORGANISED BY EUROPEAN PHYSICAL SOCIETY- TECHNOLOGY INNOVATION GROUP (EPS-TIG)



# **5th EPS -TIG hands-on event on "Frontier Technologies for Quantum Science",**

## **Bucharest, 9-10 July 2025**

The 5th EPS -TIG hands-on event on "Frontier Technologies for Quantum Science", organized by the Technology Innovation Group (TIG) of the European Physical Society (EPS), will be held in Bucharest on 9-10 July 2025 as a satellite event during the 12 BPU Congress. It is organized in partnership with the EPS, the Balkan Physics Union (BPU), the Extreme Light Infrastructure - Nuclear Physics (ELI-NP), the National Institute for Physics Materials (NIMP) both in Măgurele, and the French Kwan-Tek company on quantum metrology solutions based on NV diamond technology.

The first day the participants will visit the laboratories at the NIPM and take part in hands-on activities set at the Complex Heterostructures and Multifunctional Materials Department. Additionally, the Kwan-Tek company will demonstrate its educational kit for practical courses in quantum physics. The second day will be dedicated to the visit of the laboratories at the ELI-NP research facility specialized in the field of photonuclear physics, where research scientists will propose hands-on experiments where students will explore laser interaction with matter. Local accommodation cost for max. 30 participants (BSc, MSc, PhD students and postdocs) will be covered by organizers of this event (first come first served).

Chair of the event is Dr. Christophe Rossel (IBM Research Europe- Zurich) and Co-chair Prof. Gordana Medin (University of Montenegro). Students interested to take part in this EPS-TIG event should be registered for the BPU12 Congress and, additionally, fill in the registration form at [https://docs.google.com/forms/d/e/1FAIpQLSfn6yt7g\\_jUYHV7Y-6rc\\_0q1GhC1o0bl2getO1Wt4B7ZmelQw/viewform](https://docs.google.com/forms/d/e/1FAIpQLSfn6yt7g_jUYHV7Y-6rc_0q1GhC1o0bl2getO1Wt4B7ZmelQw/viewform) . They should submit their CV and a motivation letter not later than 15 June 2025.

### **Program:**

1st day, 9 July 2025: visit to NIMP with hands-on activities and presentation of educational kit on quantum physics by Kwan-tech Company

2nd day, 10 July 2025: visit to ELI-NP research facility with lab tour and hands-on activities