

2nd RIANA Training School on Nanoscience and Nanotechnology

HZDR – Dresden, Germany, June 1–4 2026

Ion beam-based techniques for structuring and characterization in Nanoscience and Nanotechnology including 6 Hands-On Trainings

Topics of the RIANA Training School:

- Ion Beam Basics
- Accelerators and instrumentation
- Ion beam analysis
- Simulation of ion beam damage
- Focused ion beam instrumentation
- Applications of focused ion beams
- Surface patterning using low energy ion beams

Hands-on Training on the following techniques:

- Rutherford Backscattering
- Particle induced X-ray emission
- Nuclear reaction analysis
- FIB based sample preparation
- FIB based defect engineering
- Scanning Auger microscopy



Registration is free (no fees) and for the selected applicants the program includes:
Accommodation (single room with breakfast)
Coffee breaks and snacks at evening poster session and a social event
(lunch is at the participant's own expense and can be taken at the local canteen)

For PhD Students and Young researchers / Postdocs (< 5 years after PhD defense)

Application deadline : March 13, 2026

Link: <https://events.hifis.net/event/3575/>



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