

Optics and its Applications in Quantum Technologies

Armenian - German WE-Heraeus Seminar

26 – 30 September, 2025
Yerevan, Armenia

Topics:

Quantum optics
Quantum Information
Biophotonics
Optical properties of nanostructures
Strongly correlated systems
X-ray optics and its applications
Beam optics
Strong field optics
Spectroscopy
Nonlinear & ultrafast optics
Fiber optics
Integrated photonics
Optical design
Optical sensing
2D materials
Nanophotonics
Laser dynamics
Singular optics
Mathematical methods in optics



Organizing Centers:

- ✓ Institute of Applied Problems of Physics of the NAS, Armenia
- ✓ HZDR – CASUS, Germany
- ✓ University of Rostock, Germany

Highlights:

- ✓ Invited talks
- ✓ Student presentations (prize for best talk)
- ✓ Poster presentations
- ✓ Falling Walls Lab Armenia
- ✓ Visiting main scientific organizations of Armenia
- ✓ Lab tours
- ✓ Social events

Organizers

Scientific organizers:

Dieter Bauer (Uni. Rostock, Germany)
David Blaschke (HZDR-CASUS Görlitz, Germany)
Hayk Sarkisyan (IAPP of NAS, Armenia)

Local Organizing Committee:

Narine Gevorgyan (AANL, Armenia)
Aram Papoyan (IPR of NAS, Armenia)
Oleksandr Vitiuk (Uni. of Wroclaw, Poland)



Universität
Rostock



Traditio et Innovatio



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