



Abbe School of Photonics | JENA
Friedrich-Schiller-Universität

Abbe School of Photonics

The Abbe School of Photonics (ASP), founded in 2008, represents an academic education centre for modern optics and photonics at highest international standards. ASP encompasses and coordinates all optics and photonics education activities at the Friedrich Schiller University Jena as well as the local Fraunhofer Institute for Applied Optics and Precision Engineering, the Helmholtz Institute Jena and the Leibniz Institute for Photonic Technologies.

ASP's training program comprises several international Master programs as well as a structured doctoral program. Cutting edge research is provided in more than 12 university institutes, three non-university research institutes and more than 20 partnering photonics companies. Thus, research thrusts are covering both fundamental scientific aspects as well as applied engineering in major sectors of the global photonics economy. ASP's doctoral program acts as umbrella for all local doctoral students working in optics and photonics research. The underlying qualification concept is strictly research-oriented and constitutes a major element within the research efforts of all partners. ASP's doctoral program is strictly bound to the principles of academic freedom, fair competition and internationalization.

Scientific keywords

Optics, photonics, physics, biophotonics, laser, nanotechnology, optical design, quantum technologies

Participating Faculties of FSU Jena

Faculty of Physics and Astronomy, Faculty of Chemistry and Earth Sciences, Faculty of Mathematics and Computer Science, Faculty of Biological Sciences, Faculty of Medicine

Cooperation partners

Abbe Center of Photonics (ACP), Center for Molecular Biomedicine (CMB), Helmholtz Institute Jena (HIJ), Fraunhofer Institute for Applied Optics and Precision Engineering (IOF), Leibniz Institute of Photonic Technology (IPHT), Michael Stifel Center Jena, Center of Medical Optics and Photonics (CeMOP), Jena Center for Soft Matter (JCSM)

Preferred language(s)

German and English

Current number of doctoral candidates

150

How can I become a doctoral candidate? What is the method of selection?

Direct application, see www.asp.uni-jena.de/jobs

Are there fixed dates to apply?

Regular calls, and always open for speculative applications

Are there possibilities to be funded in this programme?

Scholarships and job contracts

Who can apply?

Master's degree or equivalent qualification in physics, optics, photonics, physics engineering or related fields with sufficient exposure to physics.

Prospective degree

Dr. rer. nat., Dr.-Ing.

Contact

Abbe School of Photonics
Albert-Einstein-Str. 6 | 07745 Jena
Germany
Phone: +49 3641 947 961
Fax: +49 3641 947 962
Email: phd-asp@uni-jena.de