

Being “The Research University in the Helmholtz Association”, KIT creates and imparts knowledge for the society and the environment. It is the objective to make significant contributions to the global challenges in the fields of energy, mobility, and information. For this, about 9,300 employees cooperate in a broad range of disciplines in natural sciences, engineering sciences, economics, and the humanities and social sciences. KIT prepares its 26,000 students for responsible tasks in society, industry, and science by offering research-based study programs. Innovation efforts at KIT build a bridge between important scientific findings and their application for the benefit of society, economic prosperity, and the preservation of our natural basis of life.

The Institute of Photonics and Quantum Electronics (IPQ) at Karlsruhe Institute of Technology (KIT) calls for applications:

Join Our Team as a Postdoc or PhD Candidate

We are currently looking for ambitious postdocs and PhD candidates with strong theoretical and/or experimental background to join our recently acquired projects such as the ERC Grant TeraSHAPE. Postdoctoral candidates should have experience and a proven track record in one of the following fields:

- **Integrated optics and silicon photonics**
- **Optical signal processing and nonlinear optics**
- **Optical communications and digital signal processing**
- **3D lithography and polymer photonics**
- **Optical metrology, sensing, and biophotonics**

Applicants should have completed a PhD, Master or an equivalent degree in Electrical Engineering, Photonics, Physics or related fields. We expect excellent writing and oral communication skills along with the ability to work independently. Ambitious postdoctoral researchers might find an excellent opportunity to combine high-level scientific research with leadership responsibilities, thereby gaining experience in building up an own research environment.

Applicants are encouraged to submit their application documents (CV, certificates, references) electronically as one single pdf file to Prof. C. Koos.

Prof. Dr. Christian Koos

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