



# Postdoctoral Position



## Computational Photonics

### Project Description

The Theoretical Optics & Photonics group is seeking to fill a postdoctoral position (salary category E13 TV-L) with a time-limited contract for 3 years.

The duties consist in scientific services in research and teaching within the area of Computational Photonics, including co-supervision of Bachelor and Master Theses and the support for the administration of IT-infrastructure. Most importantly, this position offers excellent opportunities for developing/enhancing one's own scientific qualification in computational photonics, specifically regarding the Discontinuous-Galerkin Time-Domain simulation technique for the treatment of light propagation and light-matter interaction in strongly scattering systems.

### Prerequisites

Completed university education and a PhD degree in the area of Computational Physics (e.g., solid-state physics of photonics with a strong computational component) or Applied/Numerical Mathematics with a strong physics component; very good programming skills (ideally in C++) and command of the english language; Good communications skills and capacity for team work; Experience in working with Linux-clusters or in the administration of networks/clusters is advantageous.

### Contact

Applications quoting the **reference number AN/022/17** shall be sent within 4 weeks but not later than March 7. 2017 to:

Humboldt-Universität zu Berlin, Mathematisch-Naturwissenschaftliche Fakultät, Institut für Physik, Prof. Busch (place of business: Newtonstr. 15), Unter den Linden 6, 10099 Berlin; or via E-Mail to [kurt.busch@physik.hu-berlin.de](mailto:kurt.busch@physik.hu-berlin.de).

The Humboldt University of Berlin is an equal opportunity employer committed to increasing participation of women and especially encourages qualified women to apply. In case of equal qualification handicapped applicants will be preferred. Applicants with a migration background are strongly encouraged to apply. As we do not return application material, we ask to enclose only copies of relevant documents.