

Job Advertisement

The Leibniz-Institute of Photonic Technology (IPHT) offers the following full-time position (100%) in the **Junior Research Group Ultrafast Fibre Lasers** starting **September 1st 2021**:

Postdoctoral Researcher (m/f/d)

The position is limited to 2 years.

The Leibniz-IPHT is an independent research institute with a close connection to the Friedrich-Schiller-University Jena and a member of the Leibniz association.

Job description:

The project targets development of lasers systems for ultrashort pulse generation, particularly in the Mid-IR wavelength range, refining underlying phenomena and technologies, shaping the generation by internal nonlinearity and dispersive parameters and finally test the laser in vibrational absorption spectroscopy for diagnostics.

Your qualification:

PhD (or equivalent) in Optical Engineering / Electrical engineering / Laser Physics / Applied Physics / Engineering Physics or similar.

Your knowledge and skills:

- Solid experience in fibre laser development and ultrafast laser systems (mode-locked lasers, fibre laser frequency combs, pulse characterisation techniques, etc.).
- Desired knowledge of standard computational techniques in nonlinear optics in Matlab or Python
- A track record in scientific publications are great assets
- Fluent English (spoken and written)

Salary:

German tariffs for public employees (TV-L).

The Leibniz-IPHT strives to increase the proportion of female employees. The compatibility of work and family is one of our central concerns. Therefore, women are explicitly encouraged to apply.

Further information can be obtained from

Dr. Maria Chernysheva / mail: maria.chernysheva@leibniz-ipht.de

Remarks:

The application must be accompanied by a CV, personal motivation statement on how your knowledge and experience will benefit the project, contact information of two professional references and publication list.

Please send your application with Code 2021_08 electronically as one pdf file via mail **until May 15st 2021** to:

Leibniz-Institute of Photonic Technology Jena, Human Resources

Albert-Einstein-Straße 9, 07745 Jena

E-Mail: Personal_Abt@leibniz-ipht.de

Code: 2021_08