

# 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 1<sup>st</sup> 2021:

## Postdoctoral Researcher (m/f/d)

The position is limited to 2 years.

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

### **Job description:**

The project targets development of lasers systems for ultrashort pulse generation, particularly in 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, fiber 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 in 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 woman are explicitly encouraged to apply.

Further information can be obtained from

Dr. Maria Chernysheva / mail: [maria.chernysheva@leibniz-ipht.de](mailto:maria.chernysheva@leibniz-ipht.de)

### **Remarks:**

The application must be accompanied by CV, personal motivation statement, on how your knowledge and experience will benefit the project, reference letter and publication list (if applicable).

Please send your application with Code 2021\_08 electronically as pdf file or via mail **until May 15<sup>st</sup> 2021** to:

**Leibniz-Institute of Photonic Technology Jena, Human Resources**

**Albert-Einstein-Straße 9, 07745 Jena**

**E-Mail: [Personal\\_Abt@leibniz-ipht.de](mailto:Personal_Abt@leibniz-ipht.de)**

**Code: 2021\_08**