

Research Staff Member (m/w/d)

- Head InP Devices Lab-

We are looking for a leading position within our research staff, the Head of InP Devices Lab

(Reference number 25/19)

High-frequency electronics for frequencies between 100 GHz and 1 THz is a hot topic in research and industry. FBH runs an InP HBT process covering this frequency range, with transit frequencies beyond 400 GHz. The mission of the InP Devices Lab is to process circuits in this technology and to further develop it towards frequencies of 1 THz. This includes InP HBT modelling and design, the development of process modules, device characterization and the frontend-related part of mm-wave packaging. Presently, the equipment for this process is being expanded substantially in the framework of the Forschungsfabrik Mikroelektronik Deutschland.

Presently, the InP Devices Lab comprises 5 scientists. As head of the lab, you will lead this group. You will develop the scientific targets, coordinate the activities within the lab and align them with the other players in technology, circuit design and measurements. An in-depth understanding of device and processing technology is essential for this task.

This position requires a PhD in physics or electrical engineering. A focus in the field of high-frequency technology and experience in transistor device physics, III-V semiconductor processing, and THz and microwaves is preferred.

We expect you to show commitment, flexibility and creativity. Teamwork skills and a good command of the English language are a prerequisite.

The position can be filled immediately and is initially limited to two years.

Payment is according to TVöD Bund (collective salary scheme for German public service). FBH is an equal-opportunity employer. Female candidates are encouraged to apply. Among equally qualified applicants, preference will be given to handicapped candidates.

Have we piqued your interest? Then we look forward to your online application. Please click on "[Apply online](#)" and submit your complete application documents by **04.10.2019**.

If you have any questions about the application, please contact Ms. Nadine Kelm,

Phone: 030 6392-2691

Email: nadine.kelm@fbh-Berlin.de

Profile

The Ferdinand-Braun-Institut, Leibniz-Institut für Höchstfrequenztechnik (FBH) within the Forschungsverbund Berlin e.V., is a leading international research institute that studies diode lasers, LEDs and microwave and mm-wave devices.

On the basis of III/V semiconductors, it researches and implements components and systems for applications in communications, traffic and production technology, medicine and biotechnology. It covers the entire value chain from design to ready-for-delivery systems.

For more details, visit: www.fbh-berlin.com