

Research Staff Member (m/w/d)

- High-speed electronics / laser drivers -

Ultra-fast drivers delivering peak currents up to the kA range at nanosecond pulse widths are key components for pulsed laser sources as required, among others, for LiDAR systems. FBH has achieved record results in this field with GaN-based drivers. In order to expand our team we are looking for a research staff member or PhD student.

(Reference number 26/19)

You will design the high-speed switching electronics for nanosecond pulse lengths and realize them as a circuit board. You also optimize the interconnect structures between driver and laser diode and perform the respective measurements, all this in close co-operation with the colleagues working on laser diodes and optical characterization.

The position requires a university degree (master/diploma) in electrical engineering or physics, or similar. A focus in the field of high-frequency technology is mandatory, knowledge and hands-on experience in RF circuit-board fabrication and measurements are preferred.

We expect the candidate to show commitment, flexibility and the ability to perform self-driven research work as well as to deliver results according to project time schedules. Teamwork skills and a good command of the English language are a prerequisite.

The position is open for both post-docs and PhD students. It 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. Manuela Münzfeld,

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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