



## Scientist/Engineer (m/f) High-Frequency Integrated Circuit Verification

Job-ID: 5106/18 | Dept.: Circuit Design | Salary: according TV-L | Limitation: initially 1 year with option of extension | Entry Date: 01.01.2019

IHP is an institute of the Leibniz Association and conducts research and development of silicon-based systems and ultra-high frequency circuits and technologies including new materials. It develops innovative solutions for application areas such as wireless and broadband communication, security, medical technology, industry 4.0, automotive industry, and aerospace. IHP employs approximately 330 people. It operates a pilot line for technological developments and the preparation of high-speed circuits with 0.13/0.25  $\mu\text{m}$  BiCMOS technologies, located in a 1000 m<sup>2</sup> class 1 cleanroom.

### The Research:

- Manage a high-frequency characterization lab
- Work within the circuit design department on microwave, millimeter-wave and THz integrated circuit characterization and verification
- Participate in a dynamic research environment
- Focus on high-frequency SiGe BiCMOS integrated circuit characterization
- Work with external partners on high-frequency test setup planning and measurement tasks

### Your Qualifications:

- B.Sc, M.Sc. or PhD degree in electrical engineering or physics
- Experience in the field of millimeter-wave and/or THz integrated circuit design and/or verification
- Knowledge in vector network analysis, spectrum analysis and time-domain measurements
- Highly motivated and organized with very good experimental and theoretical skills
- Very good oral and written skills in German and English

### Our Offer:

Do research in a challenging, multinational environment, with excellent career prospects. You will have the opportunity to establish an international reputation at the forefront of high tech. It is important to us to support the individual career developments of our employees (e.g. conferences, advanced trainings). More information about our scientific excellence and the working environment at IHP can be found on our website.

IHP seeks to incorporate more women into the science field. Therefore women are strongly encouraged to apply. Disabled applicants, qualified according to the above criteria, will be given preference over other candidates with equivalent relevant qualifications.

### Your application:

Have we sparked your interest? Then we look forward to receiving your application via our [online application form](#).

For further information regarding the position please contact Dr. Gunter Fischer:  
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