



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

Job-ID: 5041/24 | Department: Circuit Design | Salary: as per tariff (TV-L) | Working Time: 40h/week |  
Limitation: initially 2 year with option of extension | Starting Date: as soon as possible

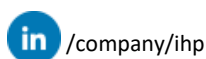
IHP is an institute of the Leibniz Association and conducts research and development of silicon-based systems and ultra high-frequency circuits and technologies including new materials. It develops innovative solutions for application areas such as wireless and broadband communication, security, medical technology, industry 4.0, automotive industry, and aerospace. IHP employs approximately 380 people. It operates a pilot line for technological developments and the preparation of high-speed circuits with 0.13/0.25  $\mu\text{m}$ -SiGe-BiCMOS technologies, located in a 1500 m<sup>2</sup> cleanroom that meets the highest industrial nanotechnology requirements.

### The position:

As a member of the research group Converters & High-Speed Logic Circuits within the department Circuit Design you will manage, maintain and upgrade a state-of-the-art high-frequency characterization lab. Your tasks will include working on microwave, millimeter-wave and THz integrated circuit characterization and verification. You will also have the chance to participate in a dynamic research environment. The focus of your work will be on the characterization of high-frequency SiGe BiCMOS and CMOS integrated circuits. On the daily basis you will work with external partners on high-frequency test setup planning and measurement tasks. An international team including young and experienced scientist and engineers is looking forward to you. Flat hierarchies and mutual support are important to us. We see diversity of perspectives as a great advantage for our team.

### Your qualifications:

- B.Sc., M.Sc. or Ph.D. degree in Electrical Engineering or Physics or comparable subject areas
- Several years of experience in the field of millimeter-wave and/or THz integrated circuit design and/or verification
- Familiarity with vector network analysis, spectrum analysis and time-domain measurements
- Proficient knowledge of the English language; Knowledge of German or interest in learning the language: improvement is expected and supported by IHP
- You are highly motivated and organized with very good experimental and theoretical skills





### **Our Offer:**

Conduct research in a challenging, multinational environment giving you excellent career opportunities. You will have the chance to establish international reputation at the edge of top-notch technologies.

It is important to us to support the individual career developments (e.g. conferences, advanced trainings) as well as the personal needs of our employees by offering flexible working hours and the possibility to work off-site. The compatibility of work and family is highly valued. More information about our scientific excellence and the working environment at IHP can be found on our website.

IHP is TOTAL E-QUALITY-certified for equal opportunities for women and men at work and actively pursues the equality of all gender and all groups of people. We promote the professional development of women and strongly encourage them to apply. Disabled applicants, qualified according to the above criteria, will be given preference over other candidates with equivalent relevant qualifications.

### **Further advantages:**

30 days holiday | special annual payment | Company pension scheme (VBL) | Flexible working hours, also part-time (no core working hours) | Possibility to work up to 40 % independent of location according to company agreement | Parent-child room as a possibility to work with a child in case of childcare bottlenecks | A wide range of further training opportunities in-house or within the framework of business trips | Discounted company ticket with monthly allowance of € 15 for various fare zones | Good transport connections, free parking at the institute | Canteen with breakfast and lunch | On-site health services | Company family and care guides | Free, confidential counselling by an external service provider in a wide variety of challenging private or professional situations, for example on how to reconcile work and family life or in psychosocial emergencies | Structured induction and actively supported integration into the institute (welcome workshop, intercultural workshop, joint leisure activities)

### **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. Ostrovskyy : [career@ihp-microelectronics.com](mailto:career@ihp-microelectronics.com).

