



## Group Leader (m/f/d) for High-Frequency IC Design

Job-ID: 5024/23 | Department: Circuit Design | Salary: as per tariff TV-L | Working time: 40h/week (part-time option possible) | Limitation: initially 2 years with option of extension | Starting Date: as soon as possible

IHP is an institute of the Leibniz Association, conducting research and development in the area of silicon-based systems, ultra-high-frequency circuits, technologies and materials. IHP employs approximately 370 people and develops innovative solutions for application areas such as wireless and broadband communication, security, medical technology, industry 4.0, automotive industry, and aerospace. It operates a pilot line for technological development and the fabrication of high-speed circuits in 0.13/0.25  $\mu\text{m}$  BiCMOS technologies, located in a 1500  $\text{m}^2$  class 1 cleanroom.

### The Position

Under your technical and disciplinary lead, your team “High-Frequency IC Design” within the department Circuit Design will conduct research on RF- and mm-wave frontends in BiCMOS and RF-CMOS technologies for leading-edge Communication, Radar and Sensing systems. You will strategically develop your research group and the topics of your research group to push the state of the art within the international scientific community. You will acquire and coordinate industry- and public-funded projects and supervise PhD students with hands-on contribution to their IC-design efforts and the publication of their results. An international team including very experienced scientists as well as several PhD students 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. We strive for a balanced gender mix.

### Your Qualification

You hold a PhD degree in the field of electrical engineering or comparable subject areas. You have several years of experience in high-frequency analog IC design for at least one of the following broad areas of application: RF and mm-wave frontends, radar and sensing, optoelectronics. Beside that you have also experience in leadership of design teams. Ideally, you have already demonstrated the potential for leadership tasks in the (lateral) guidance of employees and students, and you have the willingness to reflect your own leadership personality. We expect our managers to be open to develop their gender and diversity expertise and to take part in internal and external trainings for various professional leading skills. If you also excel at strategic thinking and have a high sense of responsibility, you are an ideal match for this position. It is necessary that you confidently handle the

English language. Knowledge of German is an advantage, but not a prerequisite. We expect you to be interested in learning German and we support you with intensive courses and in-house language courses.

### **Our Offer**

Do research in a challenging, multinational and technologically leading-edge environment with excellent career opportunities. You will have access to our high-performance SiGe-BiCMOS technologies, featuring the fastest silicon transistors currently available; if required, also external semiconductor technologies will be used for IC design in cooperation projects. You will work closely with internal and external work groups, possibly coordinating their work in complex projects. Continue to build on your reputation as an internationally recognised researcher and research manager on leading edge applications with top-notch technologies. IHP will support your career development, e.g. with international conferences and advanced trainings, as well as your personal needs by offering flexible work hours and the possibility to work remotely. The compatibility of work and family is highly valued at the institute.

IHP is certified for equal opportunities for women and men at work and actively pursues the equality of all groups of people. We promote the professional development of women and strongly encourage them to apply. Qualified disabled applicants will be given preference over other candidates with equivalent qualifications.

### **Your application:**

Have we sparked your interest? We look forward to receiving your application in German or English via our [online application form](#). For further information please contact Prof. Corrado Carta: [career@ihp-microelectronics.com](mailto:career@ihp-microelectronics.com).



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