



Group Leader (m/f/d) in the field of 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 μm BiCMOS technologies, located in a 1500 m² class 1 cleanroom.

The Position:

- Technical and disciplinary lead and responsibility for an RF- / mm-wave IC-Design research group
- Research and Development of RF- and mm-wave frontends in BiCMOS and RF-CMOS technologies for leading-edge Communication, Radar and Sensing systems
- Strategic development of a research group and research topics to push the state of the art within the international research community
- Acquisition and coordination of industry- and public-funded projects
- Supervision of PhD students with hands-on contribution to their IC-design efforts and the publication of their results

Your Qualifications:

- PhD degree in the field of electrical engineering or comparable subject areas
- 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
- Experience in leadership of design teams
- Proficient knowledge of the English language
- Knowledge of German or interest in learning the language: improvement is expected and supported by IHP

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 recognized researcher and research manager on leading edge applications with top-notch technologies. An international team including very

experienced scientists as well as several PhD students is looking forward to you. 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.



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