



Group Leader (m/f/d) "Neuromorphic Hardware"

Job-ID: 3113/23 | Department: System Architectures | 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 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 μm -SiGe-BiCMOS technologies, located in a 1500 m² cleanroom that meets the highest industrial nanotechnology requirements.

The position:

- Research and technical lead of the research group with the focus on "Neuromorphic hardware" in IHP-site in Cottbus.
- Strategic development of a research group and research topics enabling research results beyond state of the art, and contribution to the strategic goals of department
- Acquisition, technical and administrative management of national and international research projects
- Architecture development and supervising design of digital and mixed-signal neuromorphic ICs, from specification, over RTL to physical design
- Together with the department head a joint supervision of PhD students within the group
- Habilitation degree can be pursued and will be encouraged.

Your qualifications:

- PhD degree in the field of electrical engineering or computer science
- Excellent knowledge and experience in digital and mixed-signal IC design, and corresponding flows and tools
- Background in neuromorphic architectures and AI fundamentals is highly appreciated, but not mandatory
- Solid research experience, demonstrated over respective publications
- Experience in project management and industry experience is considered as an advantage but not mandatory.
- Very good English language skills.



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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. An orientation guide will help you to quickly integrate into the institute and to familiarize yourself with the field.

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 Mr. Krstic: career@ihp-microelectronics.com.



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