Scientist (m/f) Implementation of data processing and wireless communication on embedded devices

Job-ID: 4022/18 | Dept.: System Design | Salary: TV-L scale | Limitation: 1 year with option of extension | 20h/week | Entry Date: 01.03.2018

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 3300 people. It operates a pilot line for technological developments and the preparation of high-speed circuits with 0.13/0.25 µm BiCMOS technologies, located in a 1000 m² class 1 cleanroom.

The Research:
- Implementation of data aggregation and processing on embedded wireless sensor devices
- Implementation of wireless communication protocols in sub GHz band
- Analysis of performance parameters in outdoors applications for environmental monitoring

Your Qualifications:
- Master degree in computer science or electrical engineering
- Strong background in programming with focus on embedded devices
- Experience in wireless communication architectures and protocols
- Experience in programming languages C, C++
- Very good oral and written skills in 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, employment and life 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:
We are looking forward to your application. Quoting the Job-ID, please send your motivation letter, CV, copies of BA and MA certificates (incl. transcript of grades) as well as working certificates and addresses of two referees to: career@ihp-microelectronics.com.

For further information regarding the position please contact Dr. Steffen Ortmann (Dept.: System Design): ortmann@ihp-microelectronics.com.

www.ihp-microelectronics.com