



## Research Associate (m/f/d) for Wireless Systems

Job-ID: 4071/21 | Dept.: D-WS | Salary: according TV-L | Working time: 40h/week | Limitation: initially 1 year with option of extension | Entry Date: 01.09.2021

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 330 people. It operates a pilot line for technological developments and the preparation of high-speed circuits with 0.13/0.25  $\mu\text{m}$  BiCMOS technologies, located in a 1500 m<sup>2</sup> cleanroom.

### The Research:

- Project: Embedded Systems (IoT, Communication protocols, C application programming, energy management)
- Project: Embedded and Sensory System (AI, Linux OS, Embedded computers, Java and python application programming, Linux OS/Package maintenance)
- Supporting teaching activities (AI, IoT, Embedded systems and computers, sensors and actuators)
- The position can serve as orientation regarding the decision to pursue a doctorate

### Your Qualifications:

- Master degree in Computer Science
- Strong background in python, C and Java programming for embedded systems and AI-based systems, communication protocols and interfaces, IoT concepts
- Experience in Linux OS and embedded systems and computers
- Very good oral and written skills in English (German and Polish will be an advantage)

### Our Offer:

Do 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.

### Your application:

Have we sparked your interest? Then we look forward to receiving your application until **6<sup>th</sup> August 2021** via our [online application form](#).

For further information regarding the position please contact Dr. Krzysztof Piotrowski [career@ihp-microelectronics.com](mailto:career@ihp-microelectronics.com)



/IHPPFO



/waferffo



/company/ihp