IHP GmbH -
Innovations for High Performance Microelectronics/
Leibniz-Institut für innovative Mikroelektronik

Technician or Engineer (m/f/d)

Job-ID: 31013/22 | Department: System Architectures | Salary: as per tariff TV-L, up to salary group 12 | Working time: 40h/week (part-time work option) | Limitation: initially 2 years with option of extension | Entry 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 350 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:

As a member of the research group Wireless Broadband Communications within the Department System Architectures, you will contribute to research projects, plan measurement campaigns on your own responsibility, setup measurement equipment, perform measurements and develop and assemble small supporting modules. You will work on state-of-the-art systems for wireless communications and sensing functions. Your tasks will include supporting experiments of extremely high data rate wireless communication systems. An international team of 20 scientists 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 the diversity of perspectives as a great advantage for our team. We strive for a balanced gender mix in our team.

Your qualifications:

a) If you do hold a Bachelors or Master's degree in Communications Engineering, Electronics Engineering, Computer Science or a comparable study area, we can entrust you with responsible tasks as a science-related engineer and offer you a salary group up to 12 (as per tariff). Further qualifications for this position are: You are already experienced in Wireless Communications. You are familiar with using measurement equipment used for wireless communications. It would be desirable that you also have some background in computer science and are familiar with known networking protocols.

b) If you have completed vocational training in the areas above, with very good results and first professional experience, you may also qualify for this position, in which we would assign you tasks with a responsibility up to salary group 9 (as per tariff, TV-L). As a further qualification, you should be familiar with using measurement equipment used for wireless communications, such as oscilloscopes, spectrum analyzers, and waveform generators. Additionally, you should have the ability to quickly learn how to operate the latest technical equipment including various software tools.

Irrespective of whether you apply as University graduate (a) or skilled worker with vocational training (b), you have to be a strong team player. We are looking for a team member, who is able to structure his or her own work and to bring a well-organized and systematic way of working into the cooperation with creative minds. You are an ideal match for this position, when you have experimental, analytical and problem-solving skills and very strong communicative skills. It is necessary that you confidently handle the English language. Knowledge of the German language is welcome, but not mandatory. Learning German is expected and highly encouraged, for example in in-house language courses and intensive courses.

Our Offer:

Contribute to 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.

Your application:

Have we sparked your interest? Then we look forward to receiving your application until **November 30, 2022** via our **online application form.**

For further information about the position, please contact Prof. Dr. Eckhard Grass: career@ihp-microelectronics.com.