Faculty of Electrical and Computer Engineering

At the Institute of Communication Technology, the Chair of Radio Frequency and Photonics Engineering, Research Group Integrated Photonic Device, the 6G-life Research-Hub „Digital transformation and sovereignty of future communication networks“ offers, subject to the availability of resources, one position as

Research Associate

(subject to personal qualification employees are remunerated according to salary group E 13 TV-L)

starting as soon as possible. The position is initially limited for three years with the option of extension subject to the availability of resources. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz – WissZeitVG). The position offers the chance to obtain further academic qualification (e.g. PhD).

Task: The researcher fulfills the tasks required to achieve the objectives of a BMBF project to simulate, design, layout generation, and measurement of various photonic components. Other than the tasks specified in the project, close collaboration within the research group and with the collaborators of the group is required. Presentation of the results and preparing the reports are part of the responsibilities of the researcher.

Requirements: university degree in Electrical Engineering, mechanical Engineering, Physics, or other related fields. The ability to program with MATLAB/Python and/or C/C++ programming languages is necessary. We are looking for a highly motivated researcher who can work independently on the assigned tasks and has good teamwork ability. Knowledge in photonics, semiconductor technologies, numerical simulation, and electromagnetic modeling is a plus. Candidates who can communicate in both German and English languages have priority.

Applications from women are particularly welcome. The same applies to people with disabilities.

Please send your application documents until Septembe 10, 2021 (stamped arrival date of the university central mail service applies) preferably via the TU Dresden SecureMail Portal https://securemail.tu-dresden.de by sending it as a single pdf document to recruitment.6glife@tu-dresden.de with the reference „6G_Jamshidi“ in the subject header or to: TU Dresden, Fakultät Elektrotechnik und Informationstechnik, Institut für Nachrichtentechnik, Professur für Hochfrequenztechnik, Gruppe Integrierte Photonische Bauelemente, Prof. Dr. Kambiz Jamshidi, Helmholtzstr. 10, 01069 Dresden. Please submit copies only, as your application will not be returned to you. Expenses incurred in attending interviews cannot be reimbursed.

Reference to data protection: Your data protection rights, the purpose for which your data will be processed, as well as further information about data protection is available to you on the website: https://tu-dresden.de/karriere/datenschutzhinweis