

Faculty of Electrical and Computer Engineering

At the **Institute of Communication Technology** the **Chair of Radio Frequency and Photonics Engineering** offers a position as

Research Associate

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

starting at the **next possible date**, limited until 30.06.2022 with the option for extension subject to resources being available. The period of employment is governed by § 2 (2) Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). The position offers the chance to obtain further academic qualification (e.g. PhD).

Tasks: The researcher fulfills the tasks required to achieve the objectives of a DFG project to generate frequency combs in CMOS compatible integrated photonic platforms. It deals with the **design, simulation, and measurement of photonic devices** for optical communications and computing. Other than the tasks specified in the project, close collaboration with the collaborators of the group is required. Presentation of the results and preparing the reports are part of the responsibilities of the project.

Requirements: university degree in Electrical Engineering. Being familiar with MATLAB/Python and/or C/C++ programming languages is necessary. We are looking for a highly motivated, independent researcher with good teamwork ability. Basic knowledge in Optical communications, IC design, semiconductor technologies, and electromagnetic simulation is a plus.

Applications from women are particularly welcome. The same applies to people with disabilities. Please submit your comprehensive application including the usual documents by **10.12.2019** (stamped arrival date of the university central mail service applies) to: **TU Dresden, Fakultät Elektrotechnik und Informationstechnik, Institut für Nachrichtentechnik, Professur für Hochfrequenztechnik, z.Hd. Herrn Kambiz Jamshidi, Helmholtzstr. 10, 01069 Dresden**, or via the TU Dresden SecureMail Portal <https://securemail.tu-dresden.de> by sending it as a single pdf-document to kambiz.jamshidi@tu-dresden.de. 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>