Technische Universität Berlin offers an open position:

**Research Assistant - 0.75 working time - salary grade E13 TV-L Berliner Hochschulen**

**Faculty II - Institute of Theoretical Physics / Nonlinear Optics and Quantum Electronics**

**Reference number:** II-52/20 (starting at 01/07/20 / until 30 June 2023 / closing date for applications 24/02/20)

**Working field:** Fundamental research in the field of theoretical physics of nonlinear and quantum optics, participation in the CRC 951 “Theory of ultrafast interaction and spectroscopy at atomically thin semiconductor monolayer – organic molecule interfaces” / sub-project B12

**Requirements:** Successfully completed university degree (Master, Diplom or equivalent) in physics or a related field; very good knowledge in theoretical condensed matter physics, in particular for treating disorder, dissipation, quantum cascades and nonlinear (HIOS) exciton interactions within non-Markovian equation of motion and tensor network methods for non-equilibrium quantum-many body dynamics beyond mean field approaches. Necessary are very good knowledge of the German and English language, high level of programming skills in C, or C++, explicitly desired experience in handling numerical packages such as iTensor, or MPNUM, and the commitment and ability to work independently.

Please send your written application with the reference number and the usual documents to Technische Universität Berlin - Der Präsident - Fakultät II, Institut für Theoretische Physik, Prof. Dr. Knorr, Sekr. EW 7-1, Hardenbergstr. 36, 10623 Berlin or by e-mail to irena.koschinski@tu-berlin.de.

To ensure equal opportunities between women and men, applications by women with the required qualifications are explicitly desired. Qualified individuals with disabilities will be favored. The TU Berlin values the diversity of its members and is committed to the goals of equal opportunities.

Please send copies only. Original documents will not be returned.

The vacancy is also available on the internet at http://www.personalabteilung.tu-berlin.de/menue/jobs/