Dresden University of Technology

TUD Dresden University of Technology, as a University of Excellence, is one of the leading and most dynamic research institutions in the country. Founded in 1828, it is a globally oriented, regionally anchored top university, focusing on the grand challenges of the 21st century. It develops innovative solutions for the world's most pressing issues. The Cluster of Excellence "Responsible Electronics in the Climate Change Era (REC²)" of the TUD addresses the key challenge posed by the ubiquitous use of electronics, which leads to an enormous resource and energy consumption and the generation of electronic waste. REC² establishes the scientific foundation for the electronics of the future, including new material platforms, component concepts, and integrated systems that enable the realization of responsible electronics in an ecologically, economically, and socially sustainable manner. For TUD diversity is an essential feature and a quality criterion of an excellent university. Accordingly, we welcome all applicants who would like to commit themselves, their achievements and productivity to the success of the whole institution.

In a range of research and academic programs, REC² unites the natural and engineering sciences with the humanities, social sciences, and medicine. This wide range of disciplines is a special feature of the Cluster, facilitating interdisciplinarity and transfer of science to society. REC² includes contributions from nine different faculties: the Faculty of Chemistry and Food Chemistry, the Faculty of Physics, the Faculty of Electrical and Computer Engineering, the Faculty of Computer Science, the Faculty of Mechanical Science and Engineering, the Faculty of Medicine, the Faculty of Environmental Sciences, the Faculty of Business and Economics, and the Faculty of Arts, Humanities, and Social Sciences. Together with TUD, eight institutions from the Dresden Concept are engaged in the Cluster: Helmholtz Zentrum Dresden Rossendorf (HZDR), Leibniz Institute of Polymer Research Dresden e.V. (IPF), Leibniz Institute for Solid State & Materials Research Dresden (IFW), Nanoelectronic Materials Laboratory gGmbH (NaMLab), Hochschule für Technik und Wirtschaft (HTW), Fraunhofer Institute for Electron Beam and Plasma Technology (FhG FEP) and United Nations University UNU-Flores. Additional universities also contribute to the Cluster, especially the Technical University of Chemnitz (TUC), Ruhr-Universität Bochum (RUB) and Technische Universität Darmstadt (TUDa).

The involved faculties at TUD and the aforementioned partner institutions will advertise a large number of positions as

Research Associate / PhD Student / PostDoc (m/f/x)
within the Cluster of Excellence REC²

While the tasks and requirements will differ depending on the advertising Faculty/Institutions, we offer an exciting opportunity to join a team of enthusiastic scientists who pursue their individual research agenda creatively, inspired by the cluster's innovative approach and support.

Your PhD or postdoctoral research will be fostered by the REC² philosophy to promote aspiring researchers, which includes:

- access to state-of-the-art research of leading academic institutes
- possibility to apply for GreenRiskFunds to pursue your own high-risk/high-gain research ideas
- possibility of exchange with partner institutions in the Global South
- promotion of gender equality and a family-friendly work environment
- If PhD studies are pursued, supervision via a dual supervision concept, including a structured PhD project plan, international exchange, and a dedicated Thesis Advisory Committee (TAC)
- mentorship via the REC2 mentoring board

Please follow the advertisements on this website for further information in TUD https://tu-dresden.de/stellen and in case of questions, please contact REC2@tu-dresden.de.

REC² RESPONSIBLE ELECTRONICS

TUD is a founding partner in the DRESDEN-concept alliance.

DRESDEN concept