

The **Cluster of Excellence 'Center for Advancing Electronics Dresden' (cfaed)** offers a position as

Research Group Leader (TV-L E14): Orchestration of Resilience Mechanisms

starting as soon as possible. This is a full-time fixed term position until 31 October 2017, funded by cfaed. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG). After a successful review of the cluster and a personnel evaluation, the post may become permanent.

Position and Requirements

The cfaed research group leader position (RGL) offers a junior scientist holding a doctoral degree in computer science or electrical engineering an exceptional opportunity to qualify for a career in the field of resilient computing. The objective of this position is to investigate cost-effective approaches that not only ensure correct execution of computations but also enable higher levels of security, safety and energy-efficiency. The focus will be on how to combine dynamically software and hardware resilience mechanisms depending on the current requirements of an application. These approaches can be evaluated in the context of a resilient processor that is developed within cfaed.

The successful candidate will be required to conduct research that meets the highest standards of excellence. It is planned that the group leader can participate in teaching undergraduates and post-graduates for the degree programs and in supervising PhD students under the guidance of cfaed mentors. We are looking for an individual who

- has an excellent track record in his/her field of expertise, with a completed PhD and with Postdoc experience or equivalent
- has a strong motivation to explore new ways within a highly challenging field of research
- Has a proven track record in supervising, guiding and enabling other researcher's work
- Shows a strong commitment with the philosophy and ideas of the cluster having the ability to work interdisciplinary as well as in close partnership with partners from the industry, showing a strong focus in coaching and fostering new talents in research and supporting, motivating and guiding them during the fulfillment of their goals
- Shows strengths in the ability to network and build new relationships with external partners
- Shows tenacity and commitment in generating outstanding results in the related research field
- Has a proven track record in applying for third-party funding and in project management

cfaed does not only offer a highly challenging research environment but also a career development program in particular for its young researchers which is unique in academia. TU Dresden seeks to employ more women in leadership positions. Hence we particularly encourage qualified women to apply. Applications from disabled candidates or those with additional support needs are welcome. The University is a certified family-friendly university and offers a dual career service. Also the cfaed philosophy includes an intensive program for newly appointed staff, including support with the organization of relocation, child care and daily life service support.

Application Procedure

Your application (in English only) should include a brief statement of research interests, a CV (incl. description of scientific career and teaching experience), a list of publications (last 3 years only), copies of 2 most important papers, a copy of the highest academic degree certificate. Complete applica-

tions should be submitted preferably by e-mail as a single PDF document quoting the reference number **RGL1301** in the subject header to recruiting.cfaed@tu-dresden.de or alternatively to **TU Dresden, cfaed, Prof. Gerhard Fettweis, 01062 Dresden, Germany**. (Please note: We are currently not able to receive electronically signed and encrypted data). The closing date for applications is **21.06.2013** (stamped arrival date of the university central mail service applies). Informal enquiries can be submitted to the Program Management Director (Dr. Uta Schneider, Tel +49 (351) 463 41016; Fax +49 (351) 463 41099; Email: recruiting.cfaed@tu-dresden.de).

About cfaed

cfaed is a cluster of excellence within the German Excellence Initiative. It brings together 200 researchers from TU Dresden and ten other research institutions in the areas of Electrical and Computer Engineering, Computer Science, Materials Science, Physics, Chemistry, Biology, and Mathematics. cfaed addresses the advancement of electronic information processing systems through exploring new technologies which overcome the limits of today's predominant CMOS technology. www.cfaed.tu-dresden.de



About TU Dresden

The TU Dresden is among the top universities in Germany and Europe and one of the eleven German universities that were identified as an 'elite university' in June 2012. As a modern full-status university with 14 departments it offers a wide academic range making it one of a very few in Germany.