The Cluster of Excellence ‘Center for Advancing Electronics Dresden’ (cfaed) offers a fixed-term PhD Position (E 13 TV-L)

Research area: Condensed Matter Theory (Computational Material Science)
cfaed Investigators: Prof. G. Cuniberti
cfaed research path: Organic Path

Terms: 50% of the fulltime weekly hours, the position is a 3 years appointment and starts asap. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz – WissZeitVG).

Position and Requirements
We are looking for a PhD student to perform electronic structure calculations and charge transport modeling in organic semiconductors. The successful candidate will work towards improving the theory of transport processes and will contribute to the understanding of such complex materials.

We aim at attracting the best talent in the respective research fields and expect the following: excellent university master’s/diploma degree (or equivalent) in physics; knowledge of electronic structure calculations and quantum transport methodologies; an independent, target- and solution-driven work attitude; inter- and multidisciplinary thinking; strong motivation and interest to join one of the most ambitious interdisciplinary research clusters; an integrative and cooperative personality with excellent communication and social skills; fluency in English – written and oral.

What we offer
You will join a team of enthusiastic scientists who creatively pursue their individual research agenda inspired by the cluster’s innovative approach and support. Your PhD-research will be fostered by the cfaed philosophy to promote young researchers which includes: access to state of the art research of leading academic institutes; individual supervision by a Thesis Advisory Committee; possibility to earn (seed) grants of up to € 10.000; promotion of gender equality and family-friendly work environment.

Informal enquiries can be submitted to Dr. Frank Ortmann, Tel +49 (351) 463 31426; Email: frank.ortmann@nano.tu-dresden.de.

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

Application Procedure
Your application (in English only) should include: motivation letter, CV, copy of degree certificate, transcript of grades (i.e. the official list of coursework including your grades) and proof of English language skills.

Complete applications should be submitted preferably by e-mail as a single PDF-document quoting the reference number: PhD1401_C15 in the subject header to: recruiting.cfaed@tu-dresden.de (Please note: We are currently not able to receive electronically signed and encrypted data.) or alternatively by post to: TU Dresden, cfaed, A. Eichner, 01062 Dresden, Germany. The closing date for applications is 13.02.2014 (stamped arrival date of the university central mail service applies).
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.tu-dresden.de/cfaed

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.