The scientific activities of the Chair of Materials Science and Nanotechnology (Prof. G. Cuniberti), Institute of Materials Science, are focused on developing non conventional strategies for novel materials and devices with intrinsic nanoscale complexity.

At the Chair of Materials Science and Nanotechnology a

**PhD Student position (E 13 TV-L)**

is open in the framework of a NSF-DFG German-US cooperation project. These fixed-term position with 75% of the fulltime weekly hours is funded for a period of two years with possibility of extension. Payment is according to the nationally agreed scale E 13 TV-L.

**The successful candidate will investigate by scanning probe microscopy at low temperature the electronic, mechanical, and transport properties of single organic molecules on surfaces for applications in organic and molecular electronics.**

For a successful application an excellent academic degree in Physics, Chemistry, Materials Science, or a closely related area is required. Excellent communication and writing skills in English are also required, especially with respect to the communication with cooperation partners in Germany and the United States.

Experience in scanning probe microscopy, experimental surface science, or ultra high vacuum (UHV) are desirable.

The Molecular Electronics group, headed by Dr. Francesca Moresco, at the Chair of Materials Science and Nanotechnology is part of several German and European networks promoting the development of molecular and organic electronics, like the Cluster of Excellence “Center for Advancing Electronics Dresden” (http://tu-dresden.de/cfaed), the EU Project AtMol (http://www.atmol.eu) and the International Helmholtz Research School NANONET (http://www.ihrs-nanonet.de). The successful candidate is expected to actively collaborate to these multidisciplinary projects.

Please visit http://nano.tu-dresden.de/ for more information on our activities.

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

Applicants should send their application documents, including a letter of motivation, Curriculum Vitae with the complete publication record and two reference letters until 30 July 2013 (stamped arrival date of the university central mail service applies) to: TU Dresden, Fakultät Maschinenwesen, Institut für Werkstoffwissenschaft, Professur für Materialwissenschaft und Nanotechnik, Herrn Prof. Dr. Gianaurelio Cuniberti, 01062 Dresden, Germany or as a single pdf-file to: jobs@nano.tu-dresden.de, Subject: “Application MWN, your_Surname” (Please note: We are currently not able to receive electronically signed and encrypted data).