



At the **Institute of Materials Science, Chair of Materials Science and Nanotechnology**, is available in the research group of Professor Gianauelio Cuniberti (<http://nano.tu-dresden.de>)
a

PhD position (E 13 TV-L)

for 3 years with 50% of the regular weekly working time. The period of employment is governed by the Fixed Term Research Contracts Act (Wissenschaftszeitvertragsgesetz - WissZeitVG).

Scientific Tasks: calculation of physical properties of nanostructures with regard to applications in nanotechnology and the support of experiments; calculation of structural, electronic, and vibrational properties with density functional theory; calculation of the electrical conductivity and the heat conductivity with the non-equilibrium Green's function formalism.

Requirements: A master (or equivalent) university degree in physics, chemistry or materials science; sound knowledge of quantum mechanics/quantum chemistry; programming abilities; high motivation; ability to work in a team and autonomously.

For further information concerning the application procedure have a look at <http://nano.tu-dresden.de/pages/joinus.html>.

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

Send your application including a detailed CV, a statement of research interests, certificates of university degrees, and a list of publications until **31.10.2009** (Deadlines refer to the date on the postmark of the University's Post Room Service) to: **TU Dresden, Fakultät Maschinenwesen, Institut für Werkstoffwissenschaft, Professur für Materialwissenschaft und Nanotechnik, Herrn Prof. Dr. Gianauelio Cuniberti, 01062 Dresden** or as a single PDF file with the subject „Application to nanoBoron“ to jobs@nano.tu-dresden.de. (Please note: We are currently not able to receive electronically signed and encrypted data). We further need at least two recommendation letters send to the same address.