



The Department of Electrical Engineering and Information Technology invites applications for a position of full

Professor (W3) for Power Electronics (Successor of Prof. Mutschler)

effective April 1, 2012.

The search is for an outstanding candidate who will be responsible for the research and the teaching in the above area. It is also expected that the candidate will conduct a reasonable amount of teaching of foundation subjects.

Major research areas in the field of power electronics are:

- Power electronics application in electrical power transmission and distribution (e.g. FACTS, HVDC)
- New compact inverter topologies for automotive applications
- Highly dynamic, low-loss power electronics circuits (e.g. resonant switching, matrix inverters)
- Application of new types of power switches (e.g. silicon carbide technology)
- Improvement of control strategies for power electronics e.g. for drive systems, active power filters, inductive melting, etc.

The candidate will be an authority in at least one of the above research areas and will have proven teaching qualifications. Successful experience in industry or a research organisation is desirable. It is expected that the candidate is prepared to collaborate at a national and international level as well as with groups in one of the priority research areas of the university.

The position is tenured with a remuneration package commensurate with experience and qualifications, following the German "W-Besoldung". The regulations for employment are specified under §§ 61 and 62 HHG (Hessisches Hochschulgesetz).

The Technische Universität Darmstadt intends to increase the number of female faculty members and encourages female candidates to apply. In case of equal qualifications applicants with a degree of disability of at least 50 or equal will be given preference.

Submit applications with the usual attachments and three referee names, quoting the reference number to: Dean of the Department, Prof. Dr.-Ing. Helmut F. Schlaak, Merckstrasse 25, D-64283 Darmstadt, Germany (dekanat@etit.tu-darmstadt.de).

For further information contact the Chair of the Search Committee, Prof. Dr.-Ing. Volker Hinrichsen (phone: +49 6151 16 2529, e-mail: hinrichsen@hst.tu-darmstadt.de).

Code. No. 253

Application deadline: 15-Sep-2011
