



The Department of Electrical Engineering and Information Technology of Technische Universität Darmstadt invites applications for a position of

Full Professorship (W3) Integrated Micro Nano Systems (IMNS)

effective 2018-04-01 or later.

We are looking for an experienced researcher with excellent scientific credentials and international visibility in one or more of the following research areas:

- Micro Nano Systems
 - Integration Technologies of Nano Structures in Micro Systems
 - Functional Integration of Nano Materials
 - Bottom-up Synthesis of Micro Nano Systems
 - Application of Nano Integrated Micro Systems
- Technologies and Applications of Micro Systems
 - Si-Based Micro Systems
 - Technologies for Metal- and Polymer-Based Micro Systems
 - Microfluidic and Biomedical Systems
 - Lab-on-chip Systems
 - Microsystems for THz-application and photonics
 - Energy self-sufficient microsystems
- Electroactive Polymers
 - Technology and Applications of Dielectric Elastomer Transducers
- Integrated Actuator/Sensor Systems
 - Small and Micro Drives, Micro Actuators
 - Structural and Functional Integrated Electromechanical Transducers
 - Characterisation of Micro Systems
 - Development Methodology and Characterisation of Integrated Actuator/Sensor Systems
 - New Materials and Application of Integrated Actuator/Sensor Systems

Relevant knowledge and skills in design methods, device modeling and respective measurement techniques are expected.

A fully equipped clean room lab for micro systems related research activities, including optical lithography, wet and plasma enhanced etching tools and CVD is available. Service facilities in packaging, wet chemistry, electronics and a precision engineering and service workshop can be used as well.

Fachbereich 18
Elektrotechnik und
Informationstechnik

et:it

Stellv. Geschäftsführer
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Datum
Dienstag, 27. September 2016

Unser Zeichen
2017-01-12__Ausschreibungstext
IMNS.docx



We expect applicants to collaborate with other departments at TU Darmstadt and also with other research groups in one of the university's priority research areas. In addition, interdisciplinary collaborations at national and international level is expected as well. Experiences in industry or in research organizations are desirable.

An excellent doctorate degree, pedagogical and didactic skills as well as appropriate professional experiences (habilitation or habilitation-equivalent achievements) are required. Applicants are expected to participate in academic teaching concerning Bachelor and Master courses.

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 is an autonomous university with broad excellence in research, an interdisciplinary profile, and an explicit focus area in Engineering Science and Information and Communication Technology. The Department of Electrical Engineering and Information Technology is one of the major leaders in research and teaching and is regularly ranked within the top German departments.

The Technische Universität Darmstadt intends to increase the number of female faculty members and encourages female candidates for application. The university is certified as a family friendly university and offers a dual career program.

In case of equal qualifications, applicants with a degree of disability of at least 50 or equal will be given preference.

Informal enquiries by email may be addressed to the head of the selection committee, Prof. Mario Kupnik: kupnik@emk.tu-darmstadt.de

Applications should include a cover letter with research and teaching statements, a curriculum vitae including the academic career path, a research and teaching concept, a list of publications, copies of relevant diplomas and certificates, an overview of previous teaching experiences (incl. evaluation results) and a proposal of at least three academic referees.

Please send the complete application to the following address:

Technische Universität Darmstadt
Dekanat Fachbereich Elektrotechnik und Informationstechnik
Application W3 INMS Code No. 22

Fraunhoferstrasse 4
D-64283 Darmstadt, Germany

or preferably in electronic form as a single PDF reference Code No. 22 to the following email address: dekanat@etit.tu-darmstadt.de

Application deadline: March 26, 2017