

The Otto von Guericke University Magdeburg (OVGU) is an internationally oriented and regionally networked university with a strong research profile. Our traditional focus areas in research and teaching are in engineering sciences, mathematics, computer sciences, natural sciences and medicine. Our economics, social sciences and humanities are indispensable and crucial disciplines in a modern university in the information society and contribute to our scientific diversity and interdisciplinarity.

The **Faculty of Electrical Engineering and Information Technology** of the OVGU Magdeburg, Germany, invites applications for the following position to be filled on **October, 1, 2018**:

W1 Professorship with Tenure Track (W2)
„Autonomous Automation Systems“

Responsibilities: The professorship should strengthen interdisciplinary research in the field of digitalization at the Department and the University. The responsibilities are research and teaching in the field of automation and control of autonomous systems. We are looking for a candidate with internationally recognized reputation in at least two of the following fields:

- Autonomous automation systems
- Automation, machine learning, and artificial intelligence
- Automation of the Internet of Things (IoT) and the Internet of Everything (IoE)
- Automation and Control of Cyber Physical Systems
- Cooperative automation and control
- Automation exploiting Big Data

Possible fields of application are process automation, Industry 4.0/Smart Factories, energy systems and energy networks, robotics, biotechnology, medical engineering and future transportation systems.

We offer an excellent, interdisciplinary research environment, characterized by a close interaction between the engineering disciplines, mathematics and computer science. Active involvement of the professorship in the state Centre of excellence Dynamic Systems (CDS; www.cds.ovgu.de), and the focal research activities of the university and the Department of Electrical Engineering and Information Technology are desired. The candidate should be willing to contribute to the teaching in the Bachelor and Master study directions of the Department of Electrical Engineering and Information Technology in general and especially towards the study directions systems engineering and engineering cybernetics, medical engineering, and mechatronics.

Qualifications: The job announcement is part of the national and regional program for the support of scientists on an early career level. It is aimed at junior researchers who have a strong potential for a successful career in the sciences. Formal prerequisites for the appointment are set out especially in § 40 of the Higher Education Act for the Federal State of Saxony-Anhalt (Hochschulgesetz Sachsen-Anhalt).

Offer: The professorship will be for an initial period of three years. Remuneration is in accordance with W remuneration (remuneration group W1, Remuneration Act Saxony-Anhalt (Besoldungsgesetz Sachsen-Anhalt)). The appointment will be extended for a further three years following a positive interim evaluation. Following a positive final evaluation, the position will be converted to a permanent W2 professorship after six years.

Professors with Tenure Track will be given appropriate resources at the OVGU and take part in performance-related allocation of resources. We understand the Tenure Track Professorship as a career step towards taking over a lifetime professorship. Along this path, we hope to support you with individually tailored development opportunities. We are also happy to help looking for childcare options and with offers for dual career couples.

Application: The OVGU aims to increase the proportion of women scientists within the university and specifically encourages women to apply. Applications from disabled persons will be given priority in the case of equal suitability.

The application along with curriculum vitae including a description of academic positions, a list of publications and teaching experience, copies of certificates should be sent no later than **March 29, 2018** to:

**Otto-von-Guericke-Universität Magdeburg,
Herrn Prof. Dr.-Ing. R. Vick,
Dekan der Fakultät für Elektrotechnik und Informationstechnik,
Postfach 4120, D-39106 Magdeburg**

For further information please contact Prof. Dr.-Ing. Rolf Findeisen (rolf.findeisen@ovgu.de, phone: +49 391 67 58708).

www.ovgu.de