Please send a cover letter stating research aims and a CV to:
Dekan der Fakultät für Elektrotechnik und Informationstechnik der RWTH Aachen, Prof. Dr.-Ing. Jens-Rainer Ohm, 52056 Aachen

You can also send your application via email to dekan@fb6.rwth-aachen.de. Please note, however, that communication via unencrypted email poses a threat to confidentiality as it is potentially vulnerable to unauthorized access by third parties. For information on the collection of personal data pursuant to Articles 13 and 14 of the General Data Protection Regulation (GDPR), please visit www.rwth-aachen.de/gdpr-information.

The deadline for applications is October 8, 2023.

This position is also available on a part-time basis per request.

RWTH Aachen University is one of Germany’s pre-eminent Universities of Excellence, which entitles the highest quality in teaching and world-class research. RWTH addresses bold, scientific questions; it also assumes a profound responsibility toward society and transfers its knowledge into meaningful applications. RWTH strives for the convergence of knowledge, methods, and findings from its research fields and integrates in-depth disciplinary knowledge into interdisciplinary research consortia represented as profile areas. The university’s dynamic, creative, and international environment encompasses efficient research networks, institutionalized cooperations, and, most of all, the innovative RWTH Campus-Project which harbors one of the most extensive technology-oriented research landscapes in Europe.

**Full Professor (W3) in Materials for Advanced Electronics**

Faculty of Electrical Engineering and Information Technology

We are inviting applications for the position of full professor in the area of materials for advanced electronics, to be filled as soon as possible. Applicants should have internationally recognized expertise and a strong track record in one or multiple of the following areas:

- Novel semiconducting, dielectric, ferroelectric, piezoelectric, spintronic or memristive switching materials.
- Synthesis, integration and use of such materials for the realization of new functionalities in future micro/nanoelectronics devices for, e.g., (neuromorphic) computing, communication, sensing, energy storage and other practical areas.
- Correlated electronic spin systems (for instance, in oxide heterostructures or correlated van der Waals heterostructures).
- Metal-oxide thin film transistors.

As an engineering faculty, we strive to cover the complete knowledge-chain from materials to devices to circuits and systems. Therefore, expertise in 3D heterointegration of new materials and design technology co-optimization is a plus.

The successful candidate should demonstrate a strong commitment to research and the acquisition of third-party funding. Collaboration with the other groups of the faculty’s competence field Micro- and Nanoelectronics, the university’s profile area Material Science and Engineering as well as with the Forschungszentrum Jülich in the framework of JARA-FIT is expected. Moreover, contributions to large-scale projects (e.g., clusters in the framework of the upcoming DFG excellence initiative) in the areas of next-generation computing and neuro convergence is expected.

The Faculty of Electrical Engineering and Information Technology operates a state-of-the-art clean room facility (CMNT) which is available as a central resource for the experimental work of the professorship. In return, the future position holder is expected to further develop the CMNT in conjunction with the other stakeholders of the facility.

The requirements include a doctoral degree and additional research experience, such as a habilitation (post-doctoral lecturing qualification) or equivalent achievements gained as a university researcher or professor or in a research position outside academia. Teaching ability and dedication are essential and the application should include proof of this. Fluent German is not required to start the position but the successful candidate will be expected to hold classes in German in the Bachelor program within the first 5 years.
Application materials should include a description (approximately 2 pages) of the planned profile to connect with and further develop teaching and research initiatives of the faculty as well as RWTH.

Please note that at the Faculty of Electrical Engineering and Information Technology, together with the Forschungszentrum Jülich, another W3 professorship “Electronic Materials” is advertised at the same time as this professorship.