The Faculty of Computer Science and Electrical Engineering at the University of Rostock invites applications for a **W3 professorship for Integrated Systems**

at the Institute of Applied Microelectronics and Computer Engineering.

The field of integrated systems has been an established area of research at the University of Rostock for many years. Education in principles, technologies, and methodologies for the efficient implementation of integrated systems is an integral part of various Bachelor and Master programs at the faculty. The University of Rostock is looking for a personality who will completely represent the field of integrated systems with a focus on digital circuit design in research and teaching. Furthermore, networking at a national and international level as well as a high degree of commitment to the acquisition of third-party funds are expected.

The professional focus may be on one or more of the following research topics:
- Digital circuits and design of integrated systems, e.g. of AI accelerators
- Architectures, design methodologies, and coprocessors/accelerators for application specific processors
- Hardware security
- Functional safety and reliability of circuits and systems
- Reconfigurable hardware architectures
  with application links in particular to medical technology, information technology, automotive, IT security or automation technology.

The professorship will be part of the Institute of Applied Microelectronics and Computer Engineering (IMD), which addresses a wide range of research topics in the area of embedded and cyber-physical systems. At the Faculty of Computer Science and Electrical Engineering (IEF), the IMD represents a broad spectrum of topics in technical computer science in research and education. The versatile interdisciplinary application possibilities of integrated systems lead to the expectation of an intensive cooperation with colleagues of the IEF and in the profile lines of the Interdisciplinary Faculty of the University of Rostock. An active cooperation with the CRC 1270 ELAINE (ELectrically Active ImplAntE) is desired.

In teaching, the future professor is expected to participate appropriately in the English-language master's program in Electrical Engineering, in addition to offering basic and advanced courses on digital and integrated systems.

**For further information, please contact:**
Herr Prof. Dr. Christian Haubelt, chairman of the appointment committee
Phone: 0381/498-7280
Qualifications are as per § 58 of the Higher Education Act of the State of Mecklenburg-Vorpommern (LHG M-V): completed university studies, doctoral degree, post-doctoral thesis (“Habilitation”), teaching experience or equivalent qualifications, usually earned within the context of junior professorship.

A special focus is placed on academic achievement and teaching qualifications as well academic organization and administration. For this reason candidates should describe previous teaching results, ideas regarding future teaching (including didactic lesson planning) and their prior experience in academic and scientific management. In addition, candidates are expected to have experience and interest in developing programs that can attract and maintain external funding.

The professorship is to be filled according to § 61 LHG M-V as a position with civil servant status for life, or, if applicable, for 5 years. It is also possible to fill the position as a regular state employee.

The University of Rostock is committed to their university management guidelines.

Equal opportunities are part of our personnel policy. The announcement is therefore aimed at all persons regardless of their gender. Disabled applicants will be given preference if all other qualifications are essentially equal. The University of Rostock is especially interested in promoting women within the context of § 7 (3) of the Gender Equality Act, and therefore specifically encourages applications from qualified women. Women will be given priority if their qualifications are essentially equivalent.

Applications with the usual documents (full CV, a complete list of academic and professional background, publications, teaching experience, any additional qualifications, a summary of grants and sponsored research activities and a description of future research as well as teaching plans) should be sent no later than 18th November 2021 to the University of Rostock, Dean of the Faculty of Computer Science and Electrical Engineering, Albert-Einstein-Straße 2, 18059 Rostock, Germany or by e-mail to dekan.ief@uni-rostock.de. We would like to point out that your e-mail will be sent to us unencrypted.

The protection of your personal information is very important to us. Therefore, the data collected during the application process will be collected, processed and used in accordance with the relevant data protection rules.

Application costs cannot be reimbursed by the State of Mecklenburg-Vorpommern. We ask you to submit applications only in copy, as they will not be returned after the procedure has been completed.