

University Professor

for Signal Processing

We are an interdisciplinary and open-minded university with currently around 18,000 students and a range of subjects from the humanities, social and economic sciences to natural, engineering and life sciences. With over 2,000 employees, we are one of the largest employers in the region and offer a unique environment for teaching, research and further education.

The Faculty of Science and Technology, University of Siegen, in the Center for Sensor Systems (ZESS) in cooperation with the Fraunhofer Institute for High Frequency Physics and Radar Technology (FHR) is seeking to appoint a

Temporary University Professor (Bes. Gr. W2 LBesG NRW) for Signal Processing

as soon as possible, initially limited to 5 years. After the success of the professorship has been positively verified, it is planned to permanently extend the position within the scope of the existing legal framework (carrying out an appointment procedure without advertising).

The person to be appointed for the professorship "Signal Processing" should represent this area in research and teaching. This joint professorship with the Fraunhofer Society is linked to a

Management position in the area of "Signal Processing" at the Fraunhofer Institute for High Frequency Physics and Radar Technology (FHR).

The appointed person will be to the FHR under the "Berlin model". The professorship is intended to strengthen the joint research between the University of Siegen/ZESS and the FHR.

The job applicant is expected to have a solid research background in two or more of the following areas: signal processing for high-frequency and radar systems, bi- and multi-static sensors and networks, high-frequency technology including communication applications and antenna theory. An essential part of the professorship is the connection of theoretical principles with mathematical models and signal processing methods and the realization of innovative sensor hardware, measurement technology and algorithms or software technology necessary for the implementation of sensor concepts in practical applications.

The advertised professorship has a high international networking potential within the engineering sciences, both in information technology and communications engineering. Good networking within the departments at national and international level and direct connections to the associated research groups in the field of radar technology and signal processing, in particular bi- and multi-static sensor systems as well as passive radar, and with existing coordinated research projects in sensor technology are expected. It is also mandatory that the future professorship takes an active and constructive role in terms of initiating joint research initiatives with ZESS and FHR as well as other coordinated research projects, such as DFG-funded joint research projects with a strong focus on sensor sciences. An internationally recognized research profile is expected, which includes high-quality publications in recognized scientific journals and experience in planning and organizing scientific events and conferences.

In teaching, courses in the field of radar technology, radar signal processing and the theory of antennas (preferably in English) should be offered. The teaching obligation is 2 hours per week. Sufficient experience in teaching and supervising theses and doctorates is required.

The willingness to actively and constructively participate in the self-governing bodies of the faculty and the Center for Sensor Systems is expected.

In addition to the general legal employment requirements, which include a university degree, special aptitude for academic work, which is usually proven by the quality of a doctorate, and additional academic achievements, extensive teaching experience and evidence of didactic competence. The additional academic achievements may have been performed in the context of a junior professorship, a habilitation or an activity as a research assistant with the corresponding management skills at a university or non-university research institution or in the context of another research activity. If the personal requirements are met, the employee will be employed as a civil servant. Please send applications with the usual documents (curriculum vitae, copies of certificates, list of publications, list of courses, list of third-party funded projects, and research and teaching concept) to the Dean of Faculty IV of the University of Siegen, 57068 Siegen, by 06.04.2021. For internal processing, the additional electronic transmission of the documents as a PDF file to bewerbungen@nt.uni-siegen.de is requested.

Equal opportunities and diversity are promoted and lived at the University of Siegen. The advertisement is explicitly aimed at people of all genders (m/f/d); Applications from women are given special consideration in accordance with the State Equal Opportunities Act. Likewise, we would like applications from people with the most varied of personal, social and cultural backgrounds, people with severe disabilities and their equals.

Please find more information about the University of Siegen on our homepage at: www.uni-siegen.de

