Numerous internationally recognized research institutes, such as the Center for Mechatronics and Automation Technology gGmbH and the Leibniz Institute for New Materials, are located on and around the university campus, making Saarland University an ideal environment for this junior professorship.

The Department of Systems Engineering in the Faculty of Natural Sciences and Technology at Saarland University is inviting applications for the following open position starting in winter semester 2018/2019:

**Junior Professorship**
(tenure track position; German academic salary scale W1) in

**Adaptive Polymer-Based Systems**

The position is a fixed-term public sector appointment (‘Beamtenverhältnis auf Zeit’) for an initial period of three years. The duration of the appointment may be extended up to a maximum of six years in total pending internal and external evaluations. On the basis of further performance and evaluations, the junior professor may be promoted to a permanent professorship (lifetime tenure) at the German academic salary scale W3.

The successful applicant has an established track record in engineering applications involving dielectric polymers in mechatronic systems. This will include experience in the use of dielectric polymers in mechatronic actuators, and the modelling, characterization and control of such systems. The candidate’s experience should be demonstrated through relevant high-quality scientific publications. Additional experience in other applications of smart materials or other mechatronic drive systems would be beneficial with regard to the intended broadening of the research base. We expect the candidate to leverage and extend existing activities within the Department of Systems Engineering at Saarland University with the aim of creating a core field of research in autonomous adaptive sensor/actuator systems. The appointee will furthermore be expected to perform teaching duties in the degree programmes run by the faculty, specifically those in the field of systems engineering. At Saarland University, we consider internationalization as a process that spans all aspects of University life. We therefore expect members of our academic staff to engage in activities that promote and foster further internationalization and to agree to teaching also in a foreign language. Particular support is offered to cooperative projects with partners within the Saar-Lor-Lux region as part of the ‘University of the Greater Region’ (www.uni-gr.eu). Applications from candidates with international experience are therefore particularly welcome.

The appointment will be made in accordance with the general provisions of German public sector employment law. In addition to a university degree in the engineering or natural sciences, candidates must have experience in and an aptitude for academic teaching and must have demonstrated a particular capacity for independent academic research, generally through the outstanding quality of their PhD or doctorate. For additional information on employment requirements, please refer to Sec. 1.4 of the Framework Regulations Governing the Approval, Recruitment and Evaluation Procedures for Junior Professorships at Saarland University (Rahmenordnung zur Freigabe, Besetzung und Evaluation von Juniorprofessuren an der Universität des Saarlandes) of May 17, 2017 (www.uni-saarland.de/Berufungen).

In accordance with the objectives of its equal opportunities plan, Saarland University seeks to increase the proportion of women in professorial positions and applications from qualified women candidates are therefore strongly encouraged. Preferential consideration will be given to severely disabled candidates of equal eligibility.

Please complete the online synopsis (brief applicant profile) (www.uni-saarland.de/fakultaet/nt/aktuelles) and submit the following documents with your application by post:
- copies of your degree certificates, list of publications, summary of your academic history and teaching experience.
- Your application should include the usual supporting documents and the completed recruitment questionnaire ‘Fragebogen zur Überprüfung der Einstellungsvoraussetzungen’ (www.uni-saarland.de/Berufungen/Dokumente). Please also specify your home address (including telephone number and email address) and quote reference number W1399. Your application must be submitted no later than November 4, 2018 to: The Dean of the Faculty of Natural Sciences and Technology, Univ.-Prof. Dr. G. Kickelbick, Campus, Geb. A5.1, 66123 Saarbrücken, Germany. Please also enclose an electronic file storage medium containing all of your application documents including your ten most significant publications. You are not required to additionally submit application documents by email. Application documents will not be returned.