

The Faculty of Mechanical Engineering and Marine Technologies invites applications for the position of

Professorship (W2) in Turbomachinery

to be appointed at the earliest possible date.

The professorship represents the subject area of Turbomachinery in research and teaching at the Faculty. In the degree programmes Mechanical Engineering, Industrial Engineering, Mechatronics, Vocational Education (teacher training), Business Administration of Services, Service Management, Sustainable Maritime Engineering and Biomedical Engineering, both basic and specialised content of the subject area is taught. Lectures are to be held in German and English.

The Faculty has defined four thematic priorities for its strategic orientation: Renewable Energies and Energy Efficiency, Biomedical Engineering, Maritime Technology and Industry 5.0. These four priorities are embedded in the guiding theme of Sustainable Engineering.

The field of appointment is the subject area of Turbomachinery. Within this field, the substantive design of the research profile is deliberately left open and is for the applicants to define. We expect an independent research profile that demonstrates the scientific breadth of Turbomachinery and offers viable points of connection to several of the Faculty's thematic priorities and chairs. The field of appointment encompasses the design, dimensioning and optimisation of turbomachines, including specialisations such as fluid-structure interaction or flow-induced sound generation and propagation. Research may be of an experimental and/or numerical nature.

An essential part of the application is an account of how applicants situate their own research profile in Turbomachinery within the Faculty's four thematic priorities and the guiding theme of Sustainable Engineering, and of the specific interfaces to existing chairs and their research activities.

We are looking for a person with sound teaching experience and outstanding research achievements in the field of appointment, combined with the ability to bring together fundamentals and engineering applications. Teaching aptitude is a prerequisite for appointment. Relevant experience in third-party funded research projects at national and international level, as well as in collaboration with industrial companies, is expected. The future post-holder is expected to make substantial research contributions to the development of the strategic priorities of the Faculty and the University.

A close integration into the Faculty is expected, in particular through points of connection to research activities in Structural Mechanics, Naval Architecture and Ocean Engineering, Fluid Mechanics, Energy Technology, Production Engineering, Microfluidics and Biomechanics. The willingness to co-operate scientifically with the Interdisciplinary Faculty of the University of Rostock and to co-operate with companies, also internationally, is a prerequisite.

For further inquiries, please contact:

Prof. Dr. Sven Grundmann, Chair of the Search Committee

Phone: +49 381 498 9310

E-Mail: sven.grundmann@uni-rostock.de

The employment requirements for professors are determined by §58 (1 and 2) of the State Higher Education Act (LHG M-V). According to this, appointment requires a completed university degree, a doctorate, teaching experience (§ 58 Paragraph (1) LHG M-V), and additional academic achievements, which must generally be demonstrated within the framework of a junior professorship or a habilitation; otherwise, equivalent academic achievements (§ 58 (2) LHG M-V) are required for employment.

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.

Special abilities and achievements in teaching as well as in the organization of science and academic self-administration are taken into account. For this purpose, the results in teaching, the ideas for future teaching including the didactic design of courses are to be presented and the experience in scientific management is to be described. Active engagement and experience in the acquisition of third-party funds are expected.

The University of Rostock is committed to its university leadership guidelines.

The University of Rostock is seeking to increase the proportion of women in academic positions and therefore strongly encourages qualified women to apply with reference to § 7 Abs. 3 of the Mecklenburg-Vorpommern Equal Opportunities Act. Women will be given priority in the case of substantially equivalent qualifications, unless reasons relating to the person of the male competitor prevail.

Equal opportunities are an integral part of our personnel policy. The advertisement is therefore addressed to all persons regardless of their gender (* gender-neutral). Disabled applicants will be given preference if all other qualifications are essentially equal.

Applications with the usual documents (full CV, description of academic and professional background, a list of publications naming the five most important ones, a summary of previous teaching activities, any additional didactic qualifications, an overview of third-party funding acquired to date, and a description of a possible teaching and research concept) are to be **sent by 15. November 2026** to the University of Rostock, Dean of the Faculty of Mechanical Engineering and Marine Technologies, 18051 Rostock or by email to dekan.msf@uni-rostock.de. (Please send a single PDF file with max. 5MB). We would like to point out that your e-mail will be sent to us unencrypted.

The protection of your personal data is very important to us. Therefore, the data collected in the context of the application process is collected, processed and used in accordance with the relevant data protection regulations.

Unfortunately, the State of Mecklenburg-Vorpommern cannot cover application costs. Please submit only copies of your application documents, as these will not be returned after the application process has been completed.