

University of Stuttgart

Tenure Track Professorship (W1) in „Hydromechanics“

FACULTY 2: CIVIL AND ENVIRONMENTAL ENGINEERING | STUTTGART CENTER FOR SIMULATION SCIENCE | AT THE EARLIEST CONVENIENCE

The University of Stuttgart is one of Germany's leading technically oriented universities in one of Europe's most vibrant high-tech and industrial areas. The university is a reliable employer and partner for technology transfer and is committed to the interdisciplinary integration of engineering, natural sciences, humanities, and social sciences based on the fundamentals of cutting-edge research at a disciplinary level.

The professorship focuses on mathematical modeling and numerical simulation of hydrosystems. It contributes to the development of novel models to describe single- and multi-phase flow and transport processes in porous media both in the environmental context and in technical applications. The professorship can collaborate in research and teaching with surrounding research facilities, particularly the Research Facility for Subsurface Remediation (VEGAS) and the Porous Media Lab (PML) at the University of Stuttgart.

The professorship will be located at Faculty 2: "Civil and Environmental Engineering" at the Institute for Modelling Hydraulic and Environmental Systems (IWS) and also within the Stuttgart Center for Simulation Science (SC SimTech) with its Cluster of Excellence EXC 2075 "Data-integrated Simulation Science (SimTech)" and the Collaborative Research Center SFB 1313 "Interface-driven multi-field processes in porous media - flow, transport, and deformation".

The person to be appointed represents the field of hydromechanics in the basic German and English study programs of Faculty 2 and in the study program Simulation Technology. Active participation in SimTech, the SFB and Faculty 2 activities is expected.

We are looking for highly motivated researchers focusing on hydromechanics with an early-career track record built on an excellent dissertation, internationally visible publications, and experience in mathematical and numerical modeling of hydrosystems.

The new professor should also contribute to teaching in her/his broader field of expertise, participate in academic processes and committees, and acquire external project funding.

The position is a tenure track position leading to an appointment as a W3 professor in case of a positive evaluation. The requirements for employment listed in § 51 Baden-Württemberg university law apply. For more information on the criteria of evaluation and quality management, please visit the website <https://www.uni-stuttgart.de/en/research/early-career-researchers/tenure-track-professorship/>.

Please submit your application before June 22, 2024 by e-mail to jobs@simtech.uni-stuttgart.de in one PDF attachment comprising a curriculum vitae, academic degrees and certificates, full list of publications, research and teaching statements, three selected publications as well as the application form. Applications should be addressed to the Vice-Chairman of the Appointment Committee Prof. Dr.-Ing. Wolfgang Nowak. Alternatively, postal applications to the University of Stuttgart, SC SimTech, Pfaffenwaldring 5a, D-70569 Stuttgart are also accepted. Please address any questions regarding the current appointment process to Prof. Dr.-Ing. Wolfgang Nowak, or the SimTech Office (+49 711 685-60076). Further information and the application form can be found here: <https://www.simtech.uni-stuttgart.de/jobs-contact/>. Please be aware of the risks regarding confidentiality and the integrity of your application contents when sending your application via unencrypted e-mail.

The University of Stuttgart is an equal opportunity employer and actively promotes the diversity of its employees (<https://www.uni-stuttgart.de/en/university/profile/equality-diversity/>). We strive to hire more female scientists and more academics with an international background. Applications from women are strongly encouraged. Severely challenged persons will be given preference in case of equal qualifications.

The University of Stuttgart has been awarded “family-friendly employer”. Flexible working hours, regular childcare services, and family networks allow for a better combination of professional and family life. The University of Stuttgart also offers a range of services to enhance social equity (<https://www.beschaefigte.uni-stuttgart.de/en/services/my-place-of-work/getting-started/>). Additionally, a dual career program is in place to assist partners of those moving to Stuttgart. For more information, please visit <https://www.uni-stuttgart.de/en/university/employer/dualcareer/>.

Information on the collection of personal data in accordance with Article 13 of the GDPR can be found via the following link: <https://www.uni-stuttgart.de/en/privacy-notice/job-application/> .