University of Stuttgart
Faculty of Energy-, Process- and Bio-Engineering

W3 professorship
“Chemical Process Engineering”

INSTITUTE OF CHEMICAL PROCESS ENGINEERING
AT THE EARLIEST CONVENIENCE

The University of Stuttgart is one of the leading technically oriented universities in Germany in one of Europe`s most vibrant high-tech and industrial areas. The university is a reliable employer, 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 person to be appointed in the field of Chemical Process Engineering, is to make substantial research contributions to engineering and scientific questions in the area of circularity and $CO_2$-neutral chemical production through the development and combination of experimental and numerical methods, as well as cross-scale models. Focus should be placed on resilient, flexible and dynamic processes. Special but not sole attention should be paid to contributions of chemical reaction technology towards the reduction of fossil carbon, e.g. through the use of waste and biogenic raw materials, or the electrification of chemical processes.

Willingness to collaborate within the Department of Process Engineering, the Faculty of Energy-, Process- and Biotechnology as well as readiness for interdisciplinary collaborations with colleagues from other Natural and Engineering Sciences is expected. Suitable in this context are interdisciplinary and interfaculty alliances such as the Stuttgart Center for Simulation Science (SimTech), the Stuttgart Research Initiative 'Valorisation of Bioresources' (SRI ValBio) and the Stuttgart Research Partnership for the Electrification of the Chemical Industry (CHEMampere).

In context of academic instruction, the candidate represents his/her subject area in German- and English-language courses of study within the faculty as well as in other courses of study in which the faculty is involved. In particular, participation in the study programs Chemical- and Bioengineering, Mechanical Engineering, Process Engineering, WASTE and Environmental Engineering is expected. In particular, it is desired that the candidate takes ownership of the Numerical Analysis/Methods course and those offered in the specialization Chemical Process Engineering.

International applicants are expected to offer German-language courses after a transition period of three years.

Applicants are sought which have distinguished themselves through high-quality scientific publications or patents with international visibility. Distinct subject-matter and leadership experience in the field of chemical process engineering as well as experience in teaching are desired.

For a qualitative assessment of your academic accomplishments, we kindly ask you to submit a short description of your three most important scientific achievements,

which should be no longer than one page in total. Possible successes may include, for example, those in the fields or research, teaching, science and society, knowledge and technology transfer, inventions and patents, software development or spin-offs.

The requirements for employment listed in § 47 and § 50 Baden-Württemberg university law (LHG) apply.

Written applications (including curriculum vitae, copies of certificates, description of the three most important scientific achievements, list of publications, description of teaching activities, main research areas) and a fully completed applicant data sheet (www.f04.uni-stuttgart.de/documents/Self-Disclosure-Neu.pdf) should be sent in electronic form no later than April 13th, 2025, to the Dean's Office of the Faculty of Energy-, Process- and Bio-Engineering, dekanat@f04.uni-stuttgart.de, preferably as a single PDF file. Please be aware of the risks regarding confidentiality and integrity of your application contents when sending your application via unencrypted email. Alternatively, postal applications to the Dean's Office of the Faculty of Energy-, Process- and Bio-Engineering, Pfaffenwaldring 9, 70569 Stuttgart are also accepted. Please address any questions regarding the current appointment process to Prof. Dr. Christian Bonten, Vice Dean of the Faculty, christian.bonten@ikt.uni-stuttgart.de.

The University of Stuttgart has established a Dual Career Program to offer assistance to partners of those moving to Stuttgart: www.uni-stuttgart.de/dual-career-en.

The University of Stuttgart is an equal opportunity employer. Applications from women are strongly encouraged. Disabled persons will be given preference in case of equal qualifications.

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