RWTH Aachen University is one of Germany’s pre-eminent Universities of Excellence, which entails the highest quality in teaching and world-class research. RWTH addresses bold, scientific questions; it also assumes a profound responsibility toward society and transfers its knowledge into meaningful applications. RWTH strives for the convergence of knowledge, methods, and findings from its research fields and integrates in-depth disciplinary knowledge into interdisciplinary research consortia represented as profile areas. The university’s dynamic, creative, and international environment encompasses efficient research networks, institutionalized cooperations, and, most of all, the innovative RWTH Aachen Campus project which harbours one of the most extensive technology-oriented research landscapes in Europe.

Conducting research for a changing society: This is what drives us at Forschungszentrum Jülich. As a member of the Helmholtz Association, we aim to tackle the grand social challenges of our time and conduct research into the possibilities of a digitized society, a climate-friendly energy system, and a resource-efficient economy. Work together with around 6,800 employees in one of Europe’s biggest research centres and help us to shape change!

"Focusing Expertise – Shaping the Future": The Jülich Aachen Research Alliance (JARA) is an innovative cooperation model between RWTH Aachen University and Forschungszentrum Jülich. This alliance brings together an internationally respected university of technology and one of the leading research centres in Europe.

The Institute for a Sustainable Hydrogen Economy at Forschungszentrum Jülich is the core of the Helmholtz Cluster for a Sustainable and Infrastructure-Compatible Hydrogen Economy, which is currently being created (https://helmholtz-cluster-wasserstoff.de). This flagship project has been granted funding by the Structural Development Act (Strukturstärkungsgesetz) for coal-mining regions and it will play a key role in transforming the Rheineland into a hydrogen region that will function as a model for Europe.

Joint appointment of a full professor at Forschungszentrum Jülich and RWTH Aachen University

**Director (f/m/d) at the Institute for a Sustainable Hydrogen Economy – Process and Plant Engineering for Chemical Hydrogen Storage (INW-4) Forschungszentrum Jülich**

in line with the Jülich model to be appointed as

**Full Professor (W3, f/m/d) for Process and Plant Engineering for Chemical Hydrogen Storage**

RWTH Aachen University – Faculty of Mechanical Engineering

We are seeking to hire an outstanding individual as the director of the newly founded Institute INW-4 who will also take on responsibility for teaching and research in the field of ”Process and Plant Engineering for Chemical Hydrogen Storage”. The professorship will operate at the interface between process engineering and energy technology as well as between RWTH Aachen University and Forschungszentrum Jülich. It will focus on processes for large-scale, chemical energy storage, particularly on the development of technical systems for the storage, transport, and demand-oriented provision of hydrogen. One aim is the realization of such processes in demonstration plants. Possible research priorities should be in the field of the model-based optimization of the interaction between H2 conversion units and other system components as well as issues associated with applied control engineering, automation technology, and safety engineering. The ideal candidate has experience in the successful implementation of technical plants. The very high scientific quality of the candidate’s work, is demonstrated, e.g., by publications in highly ranked journals and/or patents. Experience in leading publicly funded large-scale projects is desired. The successful candidate will be capable of establishing, maintaining, and efficiently utilizing collaborative networks both internally and externally, starting from an independent scientific and methodological background. Excellent integration and communication skills in a scientific and political environment are essential, particularly with regard to the societal impact of research. Research activities of this institute division will be pursued in close collaboration with the Institute of Energy and Climate Research (IEK) at Forschungszentrum Jülich, especially in the fields of electrolysis, fuel cells, and energy systems design. A collaborative approach to research and teaching is expected with the Faculty of Mechanical Engineering at RWTH Aachen University, in line with the “Jülich model”. The professorship will be integrated as an associate member in the Aachen Chemical Engineering (AVT). Cooperations with the profile areas of RWTH Aachen University (in particular, Energy, Chemical & Process Engineering (ECPE)), The Fuel Science Center excellence cluster, and the hydrogen cluster for future are expected.

The requirements include a university degree followed by a doctoral degree and additional research experience, such as a habilitation (post-doctoral lecturing qualification) or equivalent achievements gained as a university researcher or associate professor or in a research position at a university, a research institution, in industry, administration, or in another societal domain. Furthermore, good teaching skills are essential. The application should include the usual supporting documents (CV, certificates, lists of publications, teaching experience, brief summary of previous research activities including details of third-party funding, and a research concept for the position as advertised).

Applications should be in English and will be accepted until 13.02.2022. They should be addressed to: Univ.-Prof. Dr.-Ing. W. Schröder, Dean of the Faculty of Mechanical Engineering, RWTH Aachen University, Elffschornsteinstraße 18, 52062 Aachen and to the Board of Directors, Forschungszentrum Jülich GmbH, 52425 Jülich and sent preferably by email to dekan@f4.rwth-aachen.de and berufungen@fz-juelich.de. Please note, however, that communication via unencrypted e-mail poses a threat to confidentiality as it is potentially vulnerable to unauthorized access by third parties. For information on the collection of personal data pursuant to Articles 13 and 14 of the General Data Protection Regulation (GDPR), please visit www.rwth-aachen.de/gdpr-information.

The place of work will be Jülich.

We welcome applications from all suitably qualified candidates regardless of gender. RWTH Aachen University and Forschungszentrum Jülich are certified family-friendly employers and have dual career programmes in place. We are committed to promote the careers of women and therefore particularly welcome applications from female candidates. Female candidates are given preference if they are equally suitable, competent, and professionally qualified, unless a fellow candidate is favoured for a specific reason. Applications from suitable candidates with disabilities are explicitly encouraged.
Upon acceptance of the position, support will be offered in the form of comprehensive human resource development. For further information on joint applications, visit https://go.fzj.de/appointments