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 Campus-Project which harbors 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 challenges of our times. How can we make a success of the energy transition and mitigate the effects of climate change? What challenges are emerging due to the increasing digitization of our society? Will we succeed in understanding the human brain? And how can we facilitate the transition to a bio-based sustainable economy? Come and work with us at our scientific institutes, in our technical or administrative infrastructure, or in research management alongside roughly 6,800 colleagues at one of Europe’s biggest research centres and help make a contribution to solving societal challenges. 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.

Joint appointment of Forschungszentrum Jülich and RWTH Aachen University following the so called Jülich Model

**Director of Institute for Advanced Simulation – Data Analytics and Machine Learning (IAS-8)**

Forschungszentrum Jülich

appointed as

**Full Professor (W3) in Visual-Data Analytics at the Faculty of Mathematics, Computer Science and Natural Sciences**

RWTH Aachen University

Starting at the next possible date, we seek qualified applicants to build up the IAS-8 as one of two directors contributing to research in the area of Visual-Data Analytics and teaching in the computer science department at RWTH Aachen University. The position will support the connection and collaboration between the Computer Science Department and the Computational Life Sciences at RWTH Aachen and Forschungszentrum Jülich by addressing research topics in the analysis of visual data with a particular focus on biological and medical applications.

The spectrum of methods should range from the model- and algorithm-based approaches to data-driven, statistical techniques and machine learning. Topics like 3D reconstruction of static and dynamic structures and objects from multi-modal image data as well as the analysis, segmentation and classification of 2D and 3D data should be covered. Here, the development of quantifiable image processing solutions for use as a scientific measurement methodology is of particular interest.

The Institute for Advanced Simulation of Forschungszentrum Jülich unites Simulation Sciences and supercomputing under one roof. Thus, disciplinary, methodic and technological competences can be combined to manage future challenges in the Simulation Sciences. With this joint appointment, the institute’s department of data analytics and machine learning will be built up to its full capacity.

You can establish, maintain and efficiently use collaboration networks within our organizations and within your research community. Strong integration and communication skills concerning the scientific and political environment are of great importance for the impact of your research on society. You will already have an extensive record of teaching experience at the bachelor and master level. You will carry out your research activities in close cooperation with the research priorities of the Institute for Advanced Simulation at Forschungszentrum Jülich.

A doctoral degree is required; additionally, Habilitation (post-doctoral lecturing qualification), an exemplary record of research achievement as an assistant/an associate/a junior professor or university researcher and/or an outstanding career outside academia are highly desirable. Ability in and commitment to teaching are essential. The application should include supporting documents regarding success in teaching. The application documents should be accompanied by evidence of teaching experience. The usual documents should be added (CV, certificates and diplomas, list of publications, teaching record, brief description of previous research activities including a list of third-party funding, and a research concept for the advertised position). German is not required initially but is expected as a teaching language within the first five years.

Please send a cover letter stating research aims and a CV to: Dekan der Fakultät für Mathematik, Informatik und Naturwissenschaften der RWTH Aachen University, Prof. Dr. C. Honerkamp, Templergraben 59, 52062 Aachen, and Vorstand der Forschungszentrum Jülich GmbH, 52425 Jülich, or, preferably, via email to application@fb1.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 https://www.rwth-aachen.de/gdpr-information

The deadline for applications is September 5, 2021. The place of work will be in Jülich.

We welcome applications from all suitably qualified candidates regardless of gender. RWTH Aachen University and Forschungszentrum Jülich are certified as family-friendly institutions and offer dual career programs for partner hiring. We encourage applications from women, disabled people and ethnic minority groups, recognizing they are underrepresented across RWTH Aachen University and Forschungszentrum Jülich. The principles of fair and open competition apply and appointments will be made on merit.