

Research Assistant (HIWI)

Task Description:

Water Engineering in Development

The Membrane Technology Department at the Institute of Functional Interfaces (IFG-MT) is an international research team with a diverse range of activities. The overall research vision is through advanced yet appropriate technologies to provide safe water for all children. In this context the work encompasses experimental laboratory research at KIT as well as field work in developing countries, including Sub-Saharan Africa.



A research assistant is sought to help with some of the activities in the team. Specific tasks where assistance is required are;

- ◆ Image and movie processing (Movie Maker Proficiency)
- ◆ Preparation of schematics and drawings (MS Office Proficiency)
- ◆ Website content preparation (MS Office Proficiency as well as Youtube)
- ◆ Literature searches in the area of water (both technical and non-technical aspects), this requires MSOffice and Endnote proficiency
- ◆ Labview programming of water engineering systems data acquisition and control (e.g. sensors, power supplies, drivers).

It is perfectly possible that a research assistant assumes responsibility for either one or several of these tasks depending on skills, interests and available working times.

Qualifications:

Position is open to students without a completed degree

Self-motivation, independence, organisation skills, creativity, very good computer proficiency including MS Office, Image processing, Moviemaker, Endnote, Web of Science/Google Scholar, Youtube, Labview.

Basic understanding of issues in water science & engineering are helpful.

Excellent German & English language proficiency both in oral and written communication is essential.

Affiliation:

KIT - Institute of Functional Interfaces (IFG) – Membrane Technology

c/o KIT Campus North, Building 330, Office 301, Hermann-von-Helmholtz-Platz 1, 76344 Enggenstein-Leopoldshafen, Germany

Faculty:

KIT - Faculty of Chemical and Process Engineering

c/o KIT Campus South, Zirkel 2, Building 20.20, Office 159-160, 76131 Karlsruhe, Germany

Deadline:

Applications are open. Candidates will be considered continuously until the position is filled.

Start Date & Arrangements:

Start date, amount of working hours and timing are flexible and suitable to fit with university commitments provided advance planning is communicated. The type of work is suitable for home office provided the HIWI has access to suitable PC equipment and software. Longer term engagements are preferred.

Pay:

Pay is according with standard Hiwi rates (€9-15 depending on student status).

Contact:

Prof. Dr.-Ing. Andrea Iris Schäfer, Tel +49(0)721/608-26906, Andrea.Iris.Schaefer@kit.edu
 Professor of Water Process Engineering - Faculty of Chemical and Process Engineering
 Head of Membrane Technology Department - Institute of Functional Interfaces (IFG)
<https://www.ifg.kit.edu/english/mt.php>

Applications:

Please send applications with CV, academic transcripts, and a personal motivation letter that specifies the preferred working times.