Graz University of Technology
Institute of Chemical Engineering and Environmental Technology
Working Group Fuel Cell and Hydrogen
Assoc.-Prof. Dr. Viktor Hacker

The **Working Group Fuel Cell and Hydrogen** at Graz University of Technology is an internationally recognized research group with over 20 years of expertise in national and transnational research projects. The fundamental and industry-related research focuses on material and catalyst development as well as testing methods for low-temperature fuel cells and novel, sustainable hydrogen technologies.

To expand our scientific team in a new research project we are searching for a

University project assistant (PhD position)

for 40 hours per week starting in spring 2021.

Your field of activity:

- Fundamental scientific research on the development of advanced testing technologies for Polymer Electrolyte Fuel Cells (PEFCs)
- Development of an optical accessible single cell design for advanced understanding of degradation mechanisms on HOR electrodes
- Experimental analysis and predictive modelling of degradation mechanisms with Electrical Impedance Spectroscopy (EIS) and Total Harmonics Distortion (THD) - Analysis
- Authoring and publishing of scientific articles in high-quality peer-reviewed journals

Your profile:

- Master's degree in physics, electrical engineering or chemistry (or equivalent)
- Knowledge in electrochemistry, chemical thermodynamics and electrical engineering
- General interest in the subject area of novel, sustainable energy technologies
- Commitment, flexibility and reliability
- Organizational talent, communication skills and good appearance
- Excellent knowledge of Matlab, MS-Office

We offer:

- Exciting work in an emerging field of research
- Over 20 years of expertise on scientific research in the field of fuel cell technologies
- Excellent working atmosphere among young and motivated researchers and pleasant working environment
- Excellent lab infrastructure and hands-on-experience in practical applications

The minimum monthly salary for this position is € 2,929 gross (14x p.a., classification B1 according to the collective agreement for university employees) and may be increased based on collective agreement regulations through crediting of job-specific experience or other remuneration components.

Please send your comprehensive application documents and any queries to:

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