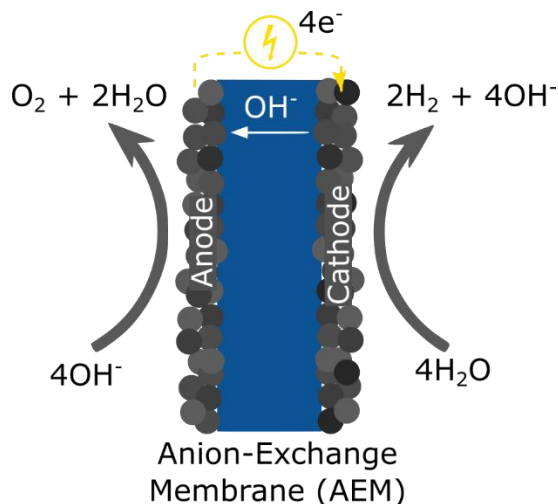


Student Assistant (f/m/d) for the Development of Anion-Exchange Membrane (AEM) Water Electrolysis

The junior research group "[Electrochemical Energy Systems](#)" works on fuel cells, batteries and electrolyzers. The group is dedicated to integrating latest material developments into state-of-the-art electrochemical energy systems.

To date, the most widespread water-splitting technology is the proton-exchange membrane (PEM) water electrolysis due to its efficiency, long-term stability and operation at high current densities. While PEM electrolyzers are commercially available, their costs are still high due to the acidic environment, fluorine-based membranes and noble metal catalysts. Therefore anion-exchange membrane (AEM) based electrolyzers have attracted attention, since they combine the advantageous properties of PEMWEs with the promise of significant cost reduction.

For this purpose, we are looking for a motivated student to help develop membranes/electrodes for AEM electrolysis. You will be working in close collaboration with our PhD-students, mostly in the laboratory fabricating devices, running experiments and in the office to do research.



Your profile

- You are a student in a STEM related program
- You are highly motivated to work in the field of energy storage and sustainable technologies
- Team spirit is absolutely necessary
- (optional) experience in: lab work, electrochemistry, electrolysis

The position

- Excellent working conditions in the young and interdisciplinary "electrochemical energy systems" group
- Flexible working time with 5-15 hours per week
- Starting date: flexible
- Working language: English or German

Please send your application including CV, transcript of records and short motivation letter via e-mail to Susanne.Koch@imtek.uni-freiburg.de

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