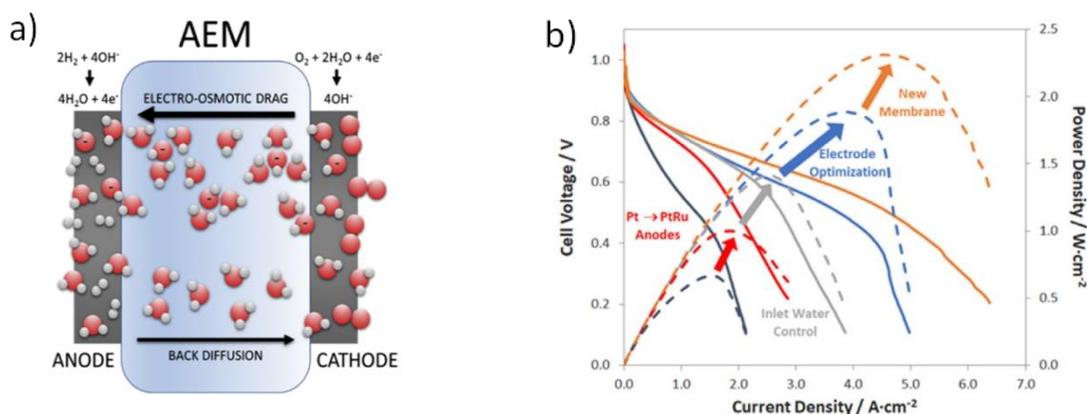


Student Assistant (f/m/d) for the Development of Anion-Exchange-Membrane Fuel Cells (AEMFC)

The junior research group [Electrochemical Energy Systems](#) works in the fields of fuel cells, batteries and electrolyzers. Our focus is on innovative manufacturing methods and materials, as well as micro-characterization and 3D imaging techniques for these technologies.

Hydrogen technologies have moved in the focus of a sustainable development in the energy and transport sector as it offers high ranges for mobility applications and the possibility to provide seasonal energy storages for renewable energies. Especially AEMFCs have gained ever rising attention, since they combine the advantageous properties like high power densities, fast on-off-cycling characteristics and low operation temperatures with the promise of significant cost reductions. The interest in this auspicious, emerging technology led to a rapid increase (4-fold) in the AEMFC performance in the last 4 years as shown in figure b).



You will be working in close collaboration with our PhD-students to develop and characterize high performance AEMFCs. Therefore you will be working both, in the laboratory doing experiments and in the office in order to get an overview of this specific technology and research in electrochemical energy systems in general.

Your profile

- You are highly motivated to work in the field of energy storage and sustainable transport
- You are a student in a STEM related program
- You are a team player
- (optional) experience in: lab work, electrochemistry, fuel cells

The position

- We offer excellent working conditions in the young and interdisciplinary [Electrochemical Energy Systems](#) group
- Flexible working time with 8-15 hours per week
- The working language is English or German

Please send your application including CV, transcript of records and short motivation letter via mail to

Philipp.Veh@imtek.uni-freiburg.de

Philipp VEH
 Electrochemical Energy Systems
 Laboratory for MEMS Applications
 Department of Microsystems Engineering – IMTEK
 University of Freiburg
 Phone: +49 761 203 95082