

Ph.D. Positions in Solid Oxide Electrolyzer Stack (Electrochemical Engineering)

Website: <https://www.epfl.ch/labs/lsci/>

(Availability: Immediately to First half of 2025).

We have an opening for a Ph.D. position in the development of solid oxide electrolyzer stacks. Fabrication, optimization and operation of solid oxide electrolyzer stacks for CO₂ electroreduction, employing state of the art components as well as new materials from the lab. A background in chemical engineering and mechanical engineering is preferred.

More information about EPFL and the Institute of Chemical Sciences and Engineering can be found at: www.epfl.ch and isic.epfl.ch.

Requirements: A Master's degree in Chemistry, Chemical Engineering, Mechanical Engineering, Energy or Materials is generally required. We expect you to have high grades (A-type; >5/6) and top rankings, as well as research experience in related fields. But most important is to have passion in research. Applicants whose first language is not English are recommended to provide results of the TOEFL and/or GRE tests, or other measure(s) of English proficiency. The initial appointment will be for one year. After one year you will have a qualifying exam. Those who pass the exam are definitely admitted to our PhD program. The normal duration of Ph.D. is 4 years. More information about the doctoral program can be found at: phd.epfl.ch

Interested candidates should include **a curriculum vitae, copies of transcripts, names and contacts of three references, and a statement of motivation and career objective. Incomplete application will not be considered.** Due to time constraint, we will only reply to those who will be further considered for on-site interviews (paid by us, available to international applicants too). If you do not hear from me within 2 weeks of initial application, please assume that your application is declined.

For applications and further information please contact:

Prof. Xile Hu

E-mail: xilehu@gmail.com

The position requires acceptance in the Doctoral Program of Chemistry and Chemical Engineering, for which you must file an application at: <https://www.epfl.ch/education/phd/edch-chemistry-and-chemical-engineering/>. Contact person: Ms. Anne-Lene Odgaard. You might contact Prof. Hu for the availability of position or a pre-evaluation of your profile before applying to the doctoral school.