

## **Postdoctoral Position in AEM water electrolyzer (Electrochemical Engineering)**

**In the lab of Prof. Xile Hu at EPFL (Swiss Federal Institute of Technology Lausanne; Ecole Polytechnique Fédérale de Lausanne)**

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

(Availability: Immediately to First half of 2025).

In the framework of NCCR Catalysis, we have an opening for a postdoctoral position in the development of anion exchange membrane water electrolyzers (AEMWEs). The project aims to achieve efficient and stable membrane electrode assemblies (MEAs) for AEMWEs. To this goal, the candidate will develop HER and OER catalysts and optimize MEAs via either CCS or CCM methods. They will test the MEAs in industrially relevant AEMWEs, for example, with area size of 25 cm<sup>2</sup> and more, and power output up to kW ranges. They is expected to generate scientific and engineering knowledge and innovations through these tasks.

The successful candidate should have a Ph.D in materials or chemical engineering or related fields. Knowledge and experience in fabrication of MEA and testing either in PEMWE or AEMWE, are preferred. The postdoc will work in a small team that researches on various aspects on electrochemical energy conversions. Strong communication and team-work skills are required.

The position is initially for one-year. There is possibility to extend the position for one more year pending the progress and mutual agreements.

**For all applications, please send your candidature to Prof. Hu via [xilehu@gmail.com](mailto:xilehu@gmail.com).** Please include a CV, research interest, and names of two reference providers. In case of a large volume of applications, we can only reply to those who will be further considered for Zoom or onsite interviews. In this case if you do not hear from me within 2 weeks of initial application, please assume that you application is declined. Note that applications that do not meet the requirements stated above (e.g., necessary academic background) will not be replied.