Postdoctoral Position in electrochemical CO$_2$ reduction

In the lab of Prof. Xile Hu at EPFL (Swiss Federal Institute of Technology in Lausanne)

Website: https://lsci.epfl.ch

As part of a consortium in decarbonization, we have a project on the development of low-temperature CO$_2$ electrolyzer. The project aims to achieve stable performance (e.g., 1000 h) in an MEA-type, self-sustained prototype electrolyzer. To do that, we will develop solutions to some of the outstanding problems in the field: (i) carbonate formation and deposition; (ii) the low lifetime of Cu catalysts.

The successful candidate should have a Ph.D. in chemistry, chemical engineering, or related fields. Knowledge and experience in electrochemistry are preferred. In our group, teamwork is essential. The postdoc is expected to take keen interest in and help the work of others even if they are not working in the same project. They are expected to mentor junior members of the group, transfer their knowledge, and get involved in group management. Leadership and responsibility are some of the values that we expect.

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

We offer an intellectually stimulating and nurturing environment with competitive salaries and benefits. We have first-class research infrastructure and equipment. The postdoc will have a large autonomy and is expected to be rather independent. We particularly welcome candidates who focuses on solving a scientific or engineering problem rather than CV-building.

For all applications, please send your candidature to Prof. Hu via 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.