

## *Postdoctoral Positions in the* **Laboratory of Renewable Energy Sciences and Engineering**

The Laboratory for Renewable Energy Sciences and Engineering (<http://lrese.epfl.ch/>) at École Polytechnique Fédérale de Lausanne (EPFL) has an opening for a *postdoctoral* position in in the field of coupled experimental-numerical investigations of photoelectrochemical devices. The project is part of LRESE's project SCOUTS – Strategic computation and optimization of unified templates for solar fuels. The subproject goal is to develop, build, and characterize prototype photoelectrochemical devices and components.

We offer a challenging and fun work environment in collaboration with Swiss academic partners in a young and dynamic research group. We pay highly competitive salaries (around 80k\$ for postdoctoral positions) with full benefits.

### **Requirements:**

The successful applicant will be initially responsible for implementing, testing, and operating a photoelectrochemical device and components. Therefore, we encourage applicants with an experimental background, experience in (photo)electrochemical characterization techniques, and a holistic view on photoelectrochemical processes and devices.

Additionally, background in heat, mass, and charge transfer (especially radiation), fluid flow, semiconductor physics, and chemistry are required for the projects. Experience with computational approaches, numerical methods, and programming are beneficial for the application.

Ideal applicants are expected to have completed their doctorate at the start of the appointment. The ability to work within a collaborative environment, good communication and organizational skills, and scientific initiative are paramount.

**Starting date:** February to June 2015

### **Application:**

An application letter including curriculum vitae with a list of publications, a statement of research, and contact details for three references should be sent via email to Prof. Sophia Haussener ([sophia.haussener@epfl.ch](mailto:sophia.haussener@epfl.ch)).

---

### **Prof. Sophia Haussener**

Laboratory of Renewable Energy Sciences and Engineering

E-mail : [sophia.haussener@epfl.ch](mailto:sophia.haussener@epfl.ch) School of Engineering

Phone: +41 21 693 38 78

Institute of Mechanical Engineering

ME B1 364

Station 9

1015 Lausanne