HSLU Lucerne University of Applied Sciences and Arts

Perfectly placed for sustainable engagement.

The largest educational institution of the six Central Swiss cantons, the Lucerne University of Applied Sciences and Arts offers state-of-the-art jobs and programmes. We share knowledge in Switzerland and abroad, we are forward-looking, creative, and committed to interdisciplinarity. Help us to shape and become a part of our shared, sustainable future.

The Lucerne School of Engineering and Architecture ranks among the most renowned technical universities of applied sciences in Switzerland. With its core theme of engineering and design for humanity and the environment, the School makes valuable contributions to teaching and research in the field. Our lecturers and students work towards realizing the working world of tomorrow.

The Competence Center Thermal Energy Storage (CCTES – **www.hslu.ch/tes**) focuses on energy storage technologies on a material and component level as well as on energy system analysis and optimization and is a leading research group with worldwide cooperations. We are an open-minded team of young scientists and entrepreneurs. We live a culture of inclusion and equal opportunities at all levels.

We are looking for highly motivated, result-oriented person to join us, starting as soon as possible.

Research Associate / Senior Research Associate in Chemistry on the Topic of Thermal Energy Storage 80 –100%

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Lucerne University of Applied Sciences and Arts – Engineering and Architecture

Tasks and job requirements

- Development of novel thermal energy storage materials (focus on salt hydrates)
- Cooperation with industrial research partners
- Measurement of thermophysical and structural properties using high tech analytical instruments and methods
- Design and execution of material compatibility and material stability tests
- Material optimization through the use of additives and surfactants
- Co-authoring scientific articles and participation in academic conferences worldwide
- Co-supervising bachelor and master theses
- If desired: Participation in teaching

Your profile

- Master's or PhD degree in Chemistry
- Deep knowledge in at least one of the following topics: inorganic chemistry, physical chemistry, crystallization
- Enthusiastic about experimental work in the lab. Hands-on attitude
- Very good English both written and spoken
- Project management, presentation skills, rapid familiarization with new topics
- Creative, team-minded, communicative and eager for knowledge
- Able to prioritize and multi-task
- Enthusiastic about energy topics, development of new materials and tackling complex problems

Our offer to you

We offer a high-responsibility, high-variability position in an innovative field of research. You will be part of a motivated, open-minded and attentive team and will have access to modern laboratory infrastructure and a large national/international network. You will have the opportunity to enhance your technical knowledge, gain valuable experience in project management and to contribute your own ideas and know-how in an interdisciplinary and creative way. We offer flexible working times and the possibility of limited remote work. Our team is situated in the attractive location in Horw/Lucerne, close to mountains and lake of Lucerne.

Location

Lucerne School of Engieering and Architecture
Technikumstrasse 21
6048 Horw

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