



PSI

The Paul Scherrer Institute PSI is the largest research institute for natural and engineering sciences within Switzerland. We perform cutting-edge research in the fields of future technologies, energy and climate, health innovation and fundamentals of nature. By performing fundamental and applied research, we work on sustainable solutions for major challenges facing society, science and economy. PSI is committed to the training of future generations. Therefore, about one quarter of our staff are post-docs, post-graduates or apprentices. Altogether, PSI employs 2300 people.

For the PSI Center for Accelerator Science and Engineering we are looking for a

Trainee for the development of sequencer functionality for SwissFEL high-level applications

Your tasks

SwissFEL is one of only five hard X-ray FEL user facilities worldwide, and allows the observation of matter on the spatial and time scales of atomic processes. Many graphical high-level applications (HLA), employed regularly for the machine setup, require the operator to manually perform a number of steps before and after the they are used. To automate these steps and unify the concept across different HLA, you will develop a Python library to interface the corresponding hardware controls. You will also implement and test the concept for the bunch length measurement tool.

Your profile

- You are a student in engineering or physics, and you are at least in your penultimate year of undergraduate study (minimum 4 semesters)
- You are interested in software development and learning to write Graphical User Interfaces
- You have not yet completed your Master's thesis

We offer

Our institution is based on an interdisciplinary, innovative and dynamic collaboration.

The contract will be limited to 3 months.

Paul Scherrer Institute
Human Resources Management
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For further information, please contact
Dr Philipp Dijkstal, phone +41 56 310 37 98.

Please submit your application **online** for the position as a Trainee (index no. 8122-T1).