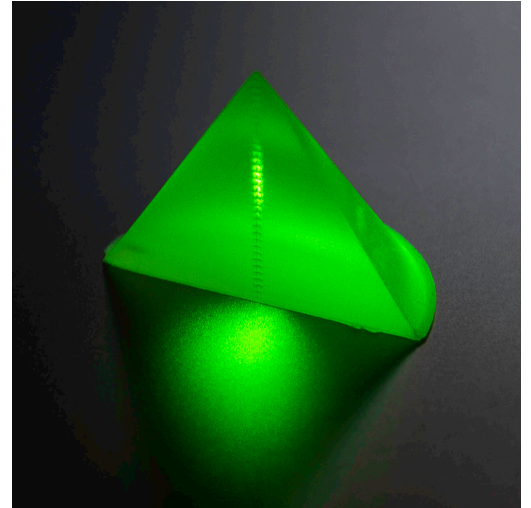




The Paul Scherrer Institute PSI is the largest research institute for natural and engineering sciences within Switzerland. We perform cutting-edge research in the fields of matter and materials, energy and environment and human health. By performing fundamental and applied research, we work on sustainable 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 2100 people.

The electron beam instrumentation group supports the electron accelerators at PSI, SwissFEL and the SLS, with instruments that measure the properties of the beams. We perform research and development of novel instrumentation, and we support the operation of the large research facilities.

Do you want to become a part of our team? We are looking for a



Post-Doctoral Research Associate

to perform research on beam-based terahertz generation techniques.

Your tasks:

- Perform research in accelerator physics: Generation of terahertz radiation from relativistic electron beams
- Modeling of the interaction of a relativistic electron beam with a structure
- Optimization of the structure for bandwidth and terahertz pulse energy
- Manufacturing of suitable structures
- Experiments in SwissFEL

Your profile:

- You have a PhD in physics, or an equivalent qualification. Your PhD has been awarded before April 30, 2023.
- Your publication record at the time of applications shows at least one original accepted publication, in press or published in a peer-reviewed journal. (If you are not a first author, please include a confirmation of the first author or supervisor that your contribution to the scientific content of the publication was highly relevant.)
- You are a communicative person, open to new ideas, and ready to work in a diverse team of scientists, engineers, technicians, students and apprentices
- Mobility rule: you have not resided or carried out your main activity in Switzerland for more than 12 months within the 36 months immediately prior to the application deadline. (A slightly different rule applies if you have interrupted your career. Contact us for details.)

We offer:

Our institution is based on an interdisciplinary, innovative and dynamic collaboration. You will profit from a systematic training on the job, in addition to personal development possibilities and our pronounced vocational training culture. If you wish to optimally combine work and family life or other personal interests, we are able to support you with our modern employment conditions and the on-site infrastructure.

The successful candidates will be offered a PSI contract for two years. We offer a highly competitive living allowance, mobility allowance and family allowance, and we pay for training costs as well as travel and registration costs for conferences in Switzerland and abroad.

Are you interested? Please contact Pavle Juranić, pavle.juranic@psi.ch +41-56-310 56 95!