



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.

For our research on integrated energy systems analysis with focus on mobility, we are looking for a

Research Scientist

Energy modelling - decarbonisation of the mobility sector

Your tasks

- Cutting-edge research related to integrated energy systems analysis
- Develop an appropriate method/tool to incorporate transport modal shift in PSI's Swiss TIMES energy system model
- Quantification of decarbonisation pathways for the Swiss transport sector
- Contribute to research projects and lead research projects as well as acquisition of funding for new projects

Your profile

- PhD or an equivalent advanced degree in engineering, energy/environmental science, economics and/or policy
- Very good skills in quantitative methods and optimisation tools, preferably experiences in the application of energy modelling frameworks such as TIMES
- Prior experience in modelling of transportation sector is desirable
- Good understanding of techno-economic characteristics of mobility technologies
- Exposure to the Swiss and European energy policy issues, such as decarbonisation of transportation strategy is an advantage
- Good English language skills are essential
- German language is highly desirable
- Publications in peer reviewed international journals

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 employment contract will (initially) be limited to 3 years.

For further information please contact Dr Tom Kober, phone +41 56 310 26 31.

Please submit your application online (including list of publications and addresses of referees) for the position as a Research Scientist (index no. 4502-02) by April 20th 2018.

Paul Scherrer Institut Human Resources Management, Ms Hedwig Habersaat,
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www.psi.ch

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