



The Paul Scherrer Institute PSI is the largest research institute for natural and engineering sciences in 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 the Laboratory for Energy Systems Analysis (LEA) we are recruiting a

Group Head in Energy Economics

Your tasks will include the following:

- Scientific and administrative leadership of the Energy Economics Group (EEG) including project acquisition and management responsibility
- Developing an independent research agenda relevant to the profile of EEG and LEA to address strategic scientific questions in the field of energy economics
- Monitoring and enabling own and group members' personnel development within EEG
- Supporting teaching activities relating to Energy Systems Analysis and Energy Economics, supervision of student projects at the undergraduate (e.g. BSc) and postgraduate (MSc, PhD) levels
- Dissemination and communication of research results to diverse audiences, including in both academic and non-academic literature and communities
- Representing the Group and Lab in external (national and international) committees and communities and fostering ongoing collaboration and dialogue (e.g. IEA-ETSAP)
- Actively maintaining and strengthening collaboration within LEA and with the Chair of Energy Systems Analysis at ETH Zurich, as well as across the wider energy economics and modelling community

Your profile includes some or all of the following:

- Ph.D. degree in engineering, energy/environmental science, economics or computer engineering (or similar quantitative subject)
- Evidence of long-term, effective supervision of students and staff and various levels combined with a strong track record in project acquisition and management
- Long-standing experience and expert knowledge in integrated energy economic modelling, optimisation tools (e.g. TIMES or equivalent framework) and/or Integrated Assessment Models, as well as techno-economic characteristics of existing and novel energy technologies and systems
- Good understanding of Swiss, European and international energy and climate policy issues
- Proficient use of programming languages such as GAMS, Python, MATLAB etc. is beneficial
- Knowledge of model coupling (top-down and bottom-up) and/or agent-based energy models as well as related to machine learning approaches and high-performance computing is also desirable

- Excellent writing, organisation and communication skills
- Extensive publication track record, both in academic journals and wider energy and climate policy contexts
- Excellent English language skills are essential, and knowledge of the German language is an additional benefit

We offer

The success of 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.

This is a permanent position.

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Human Resources Management
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For further information, please contact Prof. Dr. Russell McKenna, phone +41 56 310 2301.

Please submit your application online by 15.12.23 including list of publications and addresses of referees) for the position as a Group Head in Energy Economics (index no. 4502-05).

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