

KIT | IISM Chair | Prof. Weinhardt | Kaiserstraße 89 | 76133 Karlsruhe

Lead: Prof. Dr. Christof Weinhardt

Kaiserstraße 89
76133 Karlsruhe

Phone: 0721-608-48379
Fax: 0721-608-41588
E-Mail: selina.weber@kit.edu
Web: <https://im.iism.kit.edu/>

Contact: Selina Weber

Date: 13.02.2023

The Institute for Information Systems and Marketing (IISM) is looking to strengthen the Information & Market Engineering department of Prof. Dr. Christof Weinhardt with the following position as soon as possible:

Post-Doc for the research group „**Smart Grids and Energy Markets**“ (m/f/d) (Temporary Academic Counselor, A13)

Our Focus:

The Institute for Information Systems and Marketing (IISM) is a successful and well-funded institute with the mission "We generate value from information" and a large number of innovative projects with many different project sponsors (ministries, industry, etc.). For the management of the research group Smart Grids & Energy Markets (SGEM), we are looking for a qualified person with high independence, leadership quality and strong knowledge in the field of energy economics and/or energy informatics.

Your Tasks:

As part of your job, you are expected to take on leading tasks in research and teaching at the Chair of Information & Market Engineering at IISM. You will work independently on research projects with a dynamic team and accompany them from conception to implementation and publication. The focus of the position can be research- and/or practice-oriented. In addition, you will be responsible for teaching courses and the continuous co-supervision of doctoral candidates and students.

A core task of the position will be the content-related and administrative coordination of the IISM-contributions to the research project nfdi4energy. Within the scope of the project, a data transparency platform for energy system research is being developed. The cooperation with numerous renowned institutions in the field of energy research (University of Oldenburg, RWTH Aachen, University of Freiburg, RIFS Potsdam, amongst others) offers an outstanding access to a broad network in energy system research, as well as the possibility for high quality research cooperations and publications.

Other current research projects of the SGEM group are SMaaS ("Smart Microgrids as a Service"), in which a local electricity market is being tested in several test areas, and ASSUME, in which an agent-based electricity market model is being developed using various deep reinforcement learning algorithms. To summarize, you will be able to shape innovative research on the interface of energy economics and energy informatics and play an active role in developing solutions for the energy transition.

Your Profile

- Completed or imminent doctorate
- In-depth knowledge of energy economics and/or energy informatics
- Strong analytical skills and a self-directed approach to work
- Excellent competence in scientific methodology and working methods
- Good programming skills (e.g., Python)
- Outstanding teamwork and leadership skills
- Very good knowledge of English, knowledge of German would be an advantage
- Motivation, commitment and initiative

The possibility for habilitation is given.

KIT places great importance on the professional equality of women and men. We are therefore particularly pleased to receive applications from women. Severely disabled applicants will be given preferential treatment, if they are suitable.

Please send your application with the usual documents to:

Karlsruher Institut für Technologie (KIT)
Institut für Informationswirtschaft und Marketing (IISM)
Prof. Dr. Christof Weinhardt
Kaiserstraße 89-93
76133 Karlsruhe

Or via mail to office-ise@iism.kit.edu

For further information, please contact Prof. Dr. Weinhardt.