Research Associate (f/m/d) 
in the Field of Energy Economics and Production Management

Job description: Your main task is working on interdisciplinary, practice-oriented research projects dealing with techno-economic and socio-technical analyses in the context of the sustainable energy transition. A particular focus of this research will be energy and environmental issues in the French-German context, such as:

- development of the European energy system and transmission grid as well as of selected distribution grids with the aim of maximizing the use of volatile renewables (PV, wind, ...)
- electric mobility (market penetration, smart charging...) including the modeling of user behavior in innovative mobility systems
- decentralized energy systems (up to the self-sufficiency of individual buildings). This includes aspects of user acceptance in the context of providing flexibility
- issues related to sector coupling for mobility and transport (e.g. charging profiles, flexibility of charging and recovery, regionally and temporally differentiated ramp-up curves of electric vehicles)
- public acceptance and individual adoption of sustainable energy systems and policies
- sustainable value chains, material flows, and sustainable urban development

The position offers the opportunity of pursuing a doctoral degree.

Personal qualification: Required
- University degree (master or diploma) in industrial engineering, business administration, process engineering, economics, mathematics, social science, or a comparable field of study
- Interest in performing quantitative analyses on energy topics
- Knowledge/experience in the implementation of computer-aided models, such as operations research methods or statistical data analysis
- Professional aptitude, a high level of commitment, good self-organization and good English language skills

Desirable but not a prerequisite
- Domain knowledge
- German language skills

Our Offer: An attractive and modern workplace with access to excellent infrastructure at the KIT
• A self-determined and varied job, flexible working time models and the possibility of mobile work
• The opportunity to network with national and international cooperation partners in science and industry
• A wide range of further training opportunities
• An additional pension (VBL)
• A subsidy for the JobTicket BW

Salary: Salary category 13 (TV-L E13 of the collective agreement of public service), depending on the fulfillment of professional and personal requirements

Organizational unit: Karlsruhe Institute of Technology (KIT)
French-German Institute for Environmental Research (DFIU) – Chair of Economics

The DFIU is a research institution with the mandate to sustain the widespread wish of France and Germany for strengthening cross-border scientific cooperation. Our ambition is to be one of the central scientific players in the area of French-German and international environmental and energy research. It is associated with the Institute for Industrial Production (IIP).

Contract duration: Limited to 2 years, extension possible if funding allows

Starting date: As soon as possible

Application deadline: August 11, 2023

Contact person in line-management: For further information, please contact Prof. Dr. Wolf Fichtner (wolf.fichtner@kit.edu).

Application: Please feel free to send us your detailed application, including your CV and certificates, by e-mail:

Applications_Chair_of_Economics@iip.kit.edu.

We prefer to balance the number of employees (f/m/d). Therefore, we kindly ask female applicants to apply for this job. Recognized severely disabled persons will be preferred if they are equally qualified.