Creating Opportunities Together

Postgraduate at the Energy Research Centre

For a current research project in the fields of data-driven thermal modelling, simulation, and optimization of an industrial production facility with high temperature heat pump integration, the Energy Research Centre at FHV is seeking a PhD researcher to contribute to innovative solutions for the industrial energy transition.

Your Role(s)

_ **Energy Researcher:** You work on scientific questions in the field of sustainable industrial energy systems and develop application-oriented technical solutions

_ **Modeler and Analyst:** You develop models of thermal energy systems and analyze complex relationships using data-driven and simulation-based approaches

_ **Simulation and Optimization Developer:** You design and implement simulation and optimization approaches for energy-related applications and processes

_ **Project Partner:** You collaborate with interdisciplinary teams, actively contributing your expertise to the research project

_ **Science Communicator:** You document research results, present your work in project meetings, and publish your findings in scientific journals and conference proceedings

_ **PhD Candidate**: You will have the opportunity to demonstrate your ability to conduct independent research within the framework of a doctoral dissertation at a partner university

Your Qualifications

_ You hold a completed Master's degree in a technical field such as Mechatronics, Mechanical Engineering, Energy Engineering, or a comparable discipline.

_ You are passionate about energy-related topics and motivated to contribute actively to solutions for the energy transition.

_ You have good knowledge of at least one programming language, such as Python.

_ You work analytically and systematically and enjoy tackling complex technical challenges.

_ You have an interest in applied research and scientific work.

_ You enjoy working in teams and value professional exchange within interdisciplinary research projects.

_ You have good written and spoken English skills.

Your Prospects

_ **Employment level:** 75% (part-time position; active support for completing a doctoral dissertation)

_ **Salary:** minimum annual gross salary of € 42.155 (75%-employment). Actual compensation depends on qualifications and experience.

_ Online application deadline: 16 September 2026

_ **Fixed-term contract:** October 2026 - September 2029

_ You can also find our benefits at: www.fhv.at/karriere

Our Spirit

_ **Quality & Innovation:** We share knowledge, educate future professionals, conduct research with partners throughout Europe, and help shape the future for coming generations.

_ **Individuality & Development:** Flexible working models, compatibility of family and career, diversity, and personal development are central values for us.

_ **Flexibility & Collaboration:** A collegial and appreciative environment, creative freedom, and shared celebrations are part of everyday life on our campus.

We are happy to answer your questions regarding the position or the application process:

Regarding the position: Prof. (FH) Dr. Peter Kepplinger, peter.kepplinger@fhv.at, +43 5572 792 3801

Regarding the application: Freya Rickenbacher, BA, freya.rickenbacher@fhv.at, +43 5572 792 2138

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