



Vorarlberg University of Applied Sciences creates and impart knowledge in study, applied research and further education. Embedded in an attractive network of regional and international partner universities, research institutes and companies, we currently accompany around 1,400 students and together make an important contribution to the economic and social development of the region.

For the Research Center Energy we are looking as soon as possible for a

Scientific Co-Worker

(PhD candidate)

Reference Number 406

The employment takes place in the working group energy systems and components. Current research projects are concerned with digitization in energy technology and, in particular, with the digitization of thermal systems and components. The range of research covers modelling, simulation and optimization as well as experimental field testing.

Your duties

- _ Building new and expanding existing thermal energy technology models for use in different research projects
- _ Conception, implementation and documentation of models in real industrial applications
- _ Validation, extension and optimization of the developed models
- _ Scientific work in collaboration with an experienced team in the field of thermal energy systems with a focus on technical thermodynamics

Your profile

You are a committed graduate of a technical diploma or master's degree (preferably mechanical engineering, process engineering, (thermal) energy technology), you want to gain experience in scientific work, and you are aiming for a dissertation. You already have in-depth knowledge in the field of thermodynamics and/or heat transfer. Furthermore, you have experience in modelling and programming.

You want a challenging task in the promising field of digitization in power engineering. Together with the employees of the Research Center Energy, you actively shape the future and contribute your own ideas.

Our offer

We offer you an attractive research environment with an exciting, innovative and future-oriented topic. You work in scientific projects together with an experienced team. The preparation of your doctoral thesis is actively supported. The high quality of life and leisure in the region complete the offer.

The doctoral position like the offered one are limited to 4 years. The monthly salary is 2,162.40 Euros gross. The position is filled to 75 percent. Vorarlberg University of Applied Sciences is committed to the equality of men and women. We warmly welcome applications from women.

Please apply until July 31, 2019. If you have further questions, do not hesitate to contact Prof. (FH) Dr.-Ing. Markus Preißinger, illwerke vkw Endowed Professor of Energy Efficiency, Head of Research Center Energy, markus.preissinger@fhv.at, +43 5572 792 3801.

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