

The Energy Economics Group (EEG) at Vienna University of Technology invites to provide an application for a

## PhD Position in Energy Economics

The PhD position has its main focus on modelling, simulation and analysis of **future electricity market design** in the different market segments (reaching from long-term capacity mechanism implementation to very short-term cross-border opening of balancing markets). In addition, the work includes also contributions to projects in related fields in energy economics, the strategic further development of the research topic, contributions to relevant national and international events and conferences and finally peer-reviewed scientific publication.

We offer the possibility to work on sophisticated and diverse projects at national and international level, embedded into a comprehensive network of national and international experts in the field of research. Work has to be carried out team-oriented and with high self-reliance in direct contact with several industrial, research and academic partners.

Applicants should have a Master's degree in electrical engineering, business informatics, industrial engineering, technical mathematics, technical physics or a closely related subject, and are interested in writing her/his PhD thesis in the above mentioned field in energy economics. Therefore, the applicants are expected to have basic skills in energy economics with a strong interest in energy system model analysis and related interdisciplinary interactions as well as knowledge in software development in MATLAB and/or GAMS. In addition, basic knowledge in optimization methods is beneficial.

The position is located at Energy Economics Group (EEG) within Vienna University of Technology. Initially it is limited to one year. Depending on the performance, we offer the possibility of a contract extension lasting for another 3-4 years which should result in the achievement of a doctoral degree. Employment and salary is according to existing wage agreements of Vienna University of Technology (at present for 40-hours/week, salary bracket B1: 2532 €/month gross, 14 times per year), an overpayment in case of special engagement and work performance is possible.

EEG wants to contribute to equal opportunities for women and men and asks all qualified candidates to apply regardless of their age, sexual- or ethnic background. Applications should send a complete curriculum vitae, a motivation letter as well as a statement towards the proposed research topics.

Please send your application by Email to:

**Dr. Hans Auer, [auer@eeg.tuwien.ac.at](mailto:auer@eeg.tuwien.ac.at)**

Vienna University of Technology

Institute of Energy Systems and Electrical Drives

Energy Economics Group (EEG), [www.eeg.tuwien.ac.at](http://www.eeg.tuwien.ac.at)

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