

Job Opening

Post-Doctoral Position in Energy Market Design

(100% / TV-L E13)

The Chair of Economic Theory (Prof. Grimm) at FAU Erlangen-Nürnberg offers a Post-Doctoral Position as of October 2023 or shortly thereafter.

Applicants should have a qualified degree in industrial engineering, economics, mathematics, operations research, or a closely related discipline with fundamental knowledge in microeconomics (e.g. applied game theory and industrial economics) and mathematical modelling. The ideal candidate has experience in theoretical or empirical research and should have a strong quantitative background. Proficiency in oral and written English and a good command of German is required. Candidates should have published in internationally recognized journals or should have several research papers with high potential.

The successful candidate will be involved in research projects, with focus on the following topics: analysis of market designs and incentives for regional flexibility in the German and European electricity sector, cross-sectoral effects of energy pricing, or development of international hydrogen markets. The broader research group aims to understand how market design affects investment incentives in supply capacity, storage, and network infrastructure in the energy sector.

The team has built up a strong expertise in the area of energy market modelling, is involved in various joint activities with industrial partners and policy consulting projects, and participates in the collaborative research center DFG Transregio 154: Mathematical Modelling, Simulation and Optimization using the Example of Gas Networks (www.tr154.fau.de) and the Zentrum Wasserstoff Bayern (H2.B) (www.h2.bayern). Post-doctoral researchers are encouraged to work in one of the abovementioned fields, to participate in teaching and will get the opportunity to collaborate in ongoing research projects with industrial partners.

The research group offers a lively research environment, financial support for attending conferences, and an intensive supervision within a large and interactive team. Salary corresponds to the German pay scale (100% / TV-L E13). The appointment is initially limited for a period of two years and can be extended. In order to increase the proportion of female staff members, applications from female scientists are particularly encouraged. Preference will be given to disabled persons with the same qualification.

For further information about the position, please contact Jonas Egerer (jonas.egerer@fau.de). Please submit your electronic application as a **single** pdf file including the standard materials (vita, list of publications, teaching experiences, diplomas, and job market paper) no later than **June 30th, 2023** to jonas.egerer@fau.de (with a copy to angela.brunner@fau.de). Please refer to “**Post-Doctoral Position on Energy Market Design**” in the reference line of the email.

