

# Project assistant (Predoc) / PhD Position (m/f/d) in data aggregation and optimization for net-zero power systems

**Application deadline:** 17.08.2025

**Employment Start:** October 2025

**Hours per week:** 40 h/w

**Employment Type:** Temporary (initially limited to 6 months, but can be extended up to 4 years)

## Responsibilities

We would be delighted if you became part of our team at the Institute for Electricity Economics and Energy Innovation. Come and work with us on modeling of energy systems on the path towards a sustainable future. The position is initially limited to 6 months, but can be extended (there is funding for up to 4 years).

You can expect:

- Participation in cutting-edge European research projects on data aggregation and optimisation of net-zero energy systems, covering topics such as:
- Mathematical optimisation (e.g. linear programming, mixed integer programming),
- Modelling of energy systems, Data science and machine learning (e.g. time series aggregation, clustering, etc.),
- Techno-economic analyses
- Scientific publications and participation in national/international journals and conferences
- Independent supervision of BA and MA projects and Master's theses

## Profile

### *Admission Requirements*

- Completed Master's or DI degree (at the time of starting) in electrical engineering, mechanical engineering, operations research, mathematics or a related engineering programme.

### *Desired Qualification*

- Experience in modelling and optimisation of energy systems
- Experience in data science, machine learning and data analysis
- Experience with relevant optimisation and data science software (e.g. GAMS, Python, R, etc.)
- Excellent command of English (oral and written)

*We offer an annual gross salary of at least € 52,007.20 for a fulltime position. An overpayment based on qualification and experience is possible.*

*Graz University of Technology aims to increase the proportion of women, in particular in management and academic staff, and therefore qualified female applicants are explicitly encouraged to apply. Preference will be given to women if applicants are equally qualified.*

*Graz University of Technology actively promotes diversity and equal opportunities. Applicants are not to be discriminated against in personnel selection procedures on the grounds of gender, ethnicity, religion or ideology, age, sexual orientation (Anti-discrimination). People with disabilities and who have the relevant qualifications are expressly invited to apply.*



Become part of the team of **Graz University of Technology!**  
We are looking forward to your application!

In this video, we give you an insight into the working environment at  
TU Graz: [HERE](#)