

OFFIS is a 1991-founded, internationally active Research and Development Institute for information technology based in Oldenburg, Lower-Saxony. In an average of 70 ongoing projects OFFIS, with its over 250 employees, carries out research and prototypical development work on the highest international level in the areas of energy, society, health and manufacturing. OFFIS cooperates with more than 700 business and scientific partners worldwide.



R&D-Division: Energy  
Group: Smart Grid Testing

Contract: 2 years with the prospect of extension, full-time  
Start: as soon as possible

## Research Assistant (f/m/d) in Power System Automation

### Focus of the Research Group:

The digitalized energy system enhances the integration of distributed energy resources (DERs) and emerging new consumer roles. Advanced automation and control solutions introduce the complexity of IT/OT convergence, which necessitates testing and validation of new technologies deployment. The Smart Grid Testing group aims to develop new holistic approaches and investigates the interdependencies between power and ICT to ensure resilient, reliable and secure intelligent energy systems.

### Your Tasks:

- > Performing real-time communication and operation analysis in digitalized energy system context
- > Testing as part of a laboratory e.g. hardware-in-the-loop (HiL) and controller-hardware-in-the-loop (CHiL)
- > Substation automation standards will be part of your work
- > Coordination of external and internal project partners will belong also to your tasks
- > You will publish the project results in cooperation with partners

### Your Profile:

- > Master's degree (or equivalent) in electrical engineering or computer science
- > Knowledge of communication in the substation, experience with IEC 61850 is a plus
- > Strong knowledge of MATLAB Simulink
- > Good knowledge of power system analysis software preferably PowerFactory
- > Knowledge of programming skills, preferably Python and/or C/C++
- > Excellent verbal and written communication skills in English and/or German

### We offer You:

- > We offer an opportunity for pursuing a PhD degree. We actively support you in your professional and scientific further qualification
- > You'll develop innovative solutions for speeding up decarbonizing the energy sector
- > You can look forward to an international working environment that is very pleasant in human terms and extremely interesting in technical terms.
- > Work-life balance is important to us - we support this with flexible working hours and home office
- > Tolerance, openness and equal opportunities towards people of all genders (f/m/d) are important to us.
- > We would like to continue to grow our proportion of women, which has been increasing for years.
- > We give preference to applications from severely disabled people who are professionally suitable.
- > Your position will be remunerated according to the German TV-L E13

**Contact:** Please send your application to : [bewerbung@offis.de](mailto:bewerbung@offis.de)

If you agree to our considering your application for other vacancies, then please inform us accordingly by including an informal consent in your covering email or attaching our [consent form \(PDF-Download\)](#) to your application.

#### Contact Person:

Dr. Jürgen Meister  
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#### Postal Address:

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Further information on the application procedure and data protection can be found at <http://bit.ly/OFFIS-Application-Data-Protection>.