

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 280 employees, carries out research and prototypical development work on the highest international level in the areas of energy, health and transportation. OFFIS cooperates with more than 600 business and scientific partners worldwide.



R&D-Division: Energy
Group: Simulation and Agents in Multiple Domains

Contract duration: 2 years
Start: February 1st, 2019

Software- and System-Architect for „Smart Grid Co-Simulation“ (f/m/d)

EMPHASIS OF THE RESEARCH GROUP:

The SAM group researches and develops technologies to simulate and optimize complex energy systems. This involves consideration of the electrical grid and its components as well as information and communication technologies, energy markets, and social behavior by the actors in the system. An important task is the strategic development and extension of the internationally used co-simulation framework mosaik and its integration with our real-time laboratory. The aim of the group is to use its co-simulation approach as an industry-relevant test-environment.

YOUR TASKS:

- ▶ development, extension and implementation of the software architecture of our real-time co-simulation environment
- ▶ research in the field of simulation and validation in the Smart Grid domain
- ▶ quality assessments for development processes and software modules incl. continuous integration in our division

YOUR PROFILE:

- ▶ knowledge in software engineering
- ▶ ability to work independently and creatively in a team
- ▶ Master degree in computer science or similar
- ▶ good knowledge of English
- ▶ knowledge in the field of co-simulation or near real-time simulation or practical experience in agile DevOps-teams is advantageous

WHAT WE OFFER YOU:

- ▶ excellent opportunities for the development of professional/personal skills e.g. in cooperation with the University of Oldenburg
- ▶ opportunity to work on a PhD thesis
- ▶ professional and socially attractive working environment with an international focus
- ▶ corporate culture characterized by tolerance and openness
- ▶ salary according to the collective agreement for the public sector (depending on qualification group E13 TV-L)
- ▶ family friendliness through great flexibility in organizing your working time
- ▶ severely disabled applicants are given preferential consideration in the event of equal qualification
- ▶ support for learning the German language
- ▶ part-time employment possible

CONTACT: Please send your application to: bewerbung@offis.de

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