

You are a creative, committed person and want to gain job experience alongside your studies?
You want to learn about the interplay between research results and business applications?

Apply now!

The **Fraunhofer Institute for Applied Information Technology FIT** in Sankt Augustin has a vacancy for a

Student Assistant (M/F/D) in the field of Cybersecurity for Smart Grids

As a member of the [Fraunhofer Center for Digital Energy](#) in Aachen you will support us in implementing simulation models of cyber-physical power systems to study resilience enhancement concepts. Your employment should start as soon as possible and is limited to at least 6 months.

Your tasks include:

- Write Python Scripts for co-simulating communication network and power system models
- Learn how to use Kubernetes to model of a substation communication network.
- Simulate and study the impact of cyberattacks on grid infrastructure.

We would be pleased to see results of your research work at FIT also appear in your master's or bachelor's thesis, and we are happy to support that.

What you bring to the job:

- You are a registered student in Computer Science/Electrical Engineering or a related field of study.
- You have good knowledge of programming and motivation to learn advanced Python, git and container orchestration software such as Kubernetes and Docker.
- You can work independently and want to contribute to our research work.

What we offer:

- A working atmosphere characterized by innovation and collegiality.
- Exciting projects that help you prepare for challenging future jobs.
- Flexible working hours tailored to your schedule (maximum of 19 hours/week)

Severely handicapped persons will be given preference in the case of equal aptitude. Fraunhofer-Gesellschaft attaches great importance to gender-neutral professional equality.

Interested? Then send your résumé (English or German) to:

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Find out more about us at <https://www.fit.fraunhofer.de/en.html>

