

WISSENSCHAFT UND WIRTSCHAFT IN EINEM JOB GEHT NICHT.

DOCH.

Finde es heraus am Fraunhofer IPT.

AS OF NOW, FRAUNHOFER IPT AT RWTH AACHEN OFFERS TWO
STUDENT ASSISTANT POSITIONS (M/W)
**AUTOMATION OF CYBER-PHYSICAL SYSTEMS IN
PRODUCTION MACHINES**

The aim of this work is to help implement the automation of retrofit cyber-physical systems in production machines. The requirements on the automation structure and software include interoperability with standard communication protocols, real-time capability for the implementation of online corrective actions and scalability for frequent amendments and improvements.

Your Task

- Research for licensing and data related legal issues
- Definition of specifications for embedded software
- Development of software for machine control, data acquisition and analysis
- Development of a business plan for embedded software

Your Skills

- You study Automation Engineering, Mechatronics, Software Engineering or Similar
- You do have extended knowledge in Control Engineering and Programming (C#, C++, Matlab)
- You have gathered first experience with embedded software
- You are curious, take initiative and show responsibility
- You are fluent in English and/or German

We Offer

- First-hand practice experience alongside your studies
- Flexible working hours and clearly defined tasks
- An ideal environment for top-notch research