

WISSENSCHAFT UND WIRTSCHAFT IN EINEM JOB GEHT NICHT.

DOCH.

Finde es heraus am Fraunhofer IPT.

AS OF NOW, FRAUNHOFER IPT AT RWTH AACHEN OFFERS A

STUDENT ASSISTANT POSITION(M/W/D)
**ONLINE MONITORING AND PROCESS CONTROL FOR
LASER HEATING PROCESSES**

The Fraunhofer IPT is conducting research on innovative heating processes. We are looking for a dedicated and motivated student to carry out research on the system design as well as experimental investigation of various laser-based processes.

Your tasks

- Design, construct and calibrate optical temperature monitoring systems
- Process specific signal processing and analysis of the temperature monitoring systems
- Developing online control system for laser heating processes
- Documentation of results

Our requirements

- Solid background in mechanical engineering, automation or a comparable subject
- Programming skills in Python or MATLAB is required
- Experience with signal processing and process control is preferred
- Experience with laser heating process and/or optical simulation is preferred, but not necessary
- A high degree of motivation, independence and team spirit