



The design center DMOS GmbH in Dresden develops customer specific mixed signal integrated circuits for smart power applications, mainly used in the automotive industry. Our ASICs and ASSPs are also used in smart home appliances or the "industry 4.0". DMOS GmbH owns a building, with excellent work and development conditions close to Dresden Main Station.

The DMOS GmbH is a subsidiary of the Elmos Semiconductor SE.

Internship at the DMOS GmbH

Specification and Implementation of Measurement Tasks on an Automated Semiconductor Test System

During this internship/thesis the following tasks are to be solved:

For a technology test chip, test strategies for smaller circuit sections must be developed and implemented on the automated test system:

- Discussion and refinement of the measurement concept and description of the planned measurements in the form of a test concept
- Implementation of the measurement routines on the ATE (Automatic Test Equipment, Advantest T2000-IPSE) in C++
- Investigation of measurement stability for the implemented routines
- Statistical analysis of the results across multiple ICs

Our requirements:

- Completed undergraduate studies in electrical engineering, information systems engineering (or a comparable field)
- Experience with the C++ programming language
- Basic knowledge and interest in measurement technology
- Interest in automating measurement processes on modern test systems

This is what you will benefit of:

- equitably remuneration
- Interesting and challenging tasks in an international environment
- Competent co-workers
- Flexible working hours, company events and social offers

dmos⁺
member of the elmos group

Interested? Apply for it!

Send us your application as PDF file by mail.

We are looking forward to get to know you in person!

Contact:

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