



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 / Master Thesis at the DMOS GmbH

Opportunity for Test Bench Development of Bandgap Circuits

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

- Building Test Benches for Bandgap Analysis: Designing and setting up test benches to assess and enhance bandgap performance.
- Conducting Evaluations: Performing thorough evaluations to determine the efficiency of bandgap circuits under varying conditions like temperature shifts and voltage changes.
- Specialized Test Bench Projects: Working on a series of test benches aimed at examining specific aspects of bandgap circuits, such as power consumption, voltage stability, and circuit dependability.
- Lab Characterization and PCB Designing: Characterizing bandgap circuits in the lab and designing Printed Circuit Boards (PCBs) related to these setups.
- Reporting and Documentation: Compiling and documenting results based on findings from these evaluations.

Our requirements:

- Basic understanding of analog integrated circuit design and PCB designing.
- An interest in exploring circuit designs, particularly concerning bandgap operations.
- Familiarity with lab measurement tools like oscilloscopes, signal generators, and digital multimeters.
- Data analysis skills are considered an asset.
- Ability to work both independently and effectively as part of a team.

This is what you will benefit of:

- equitably remuneration
- Interesting and challenging tasks in an international environment
- Comprehensive introductory and training programs
- Competent co-workers
- Flexible working hours, possibility of mobile office, 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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