



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”. The company 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

Analog/mixed-signal verification of a LIN transceiver with auto-addressing

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

- Introduction to modern circuit development and verification tools (Synopsys Custom Compiler & Synopsys PrimeWave)
- Introduction to the circuitry of a LIN transceiver with auto-addressing
- Development of verification methods and analog/mixed-signal test benches
- Development of Python scripts for automating circuit verification
- Documentation and presentation of results

Our requirements:

- Completed basic studies in electrical engineering, information systems engineering (or comparable)
- Basic knowledge of analog circuit design
- Experience with circuit simulation
- Experience with the Python programming language and working with the Unix/Linux console
- Interest in IC development and automation

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, 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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