



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

*Converting an existing CAN-FD Architecture into a new 130nm BCD Technology*

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

- Converting all existing cells of an existing CAN-FD architecture into a new 130nm BCD technology
- Simulation of all converted cells regarding their functionality.
- Constructing and simulating the testbenches for controlling the ISO-parameters.
- Constructing and simulating the EMC-testbenches.
- Optimizing the cells in the new technology.
- Documentation and presentation of results.

#### Our requirements:

- Study of micro/nano electronics, Bachelor
- Intermediate understanding of analog integrated circuit design.
- An interest in field of bus-systems, particularly in CAN.
- Familiarity with circuit design tool Custom Designer.
- 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 time

**dmos**<sup>+</sup>  
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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