



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 / Working Student Position at the DMOS GmbH

Support for development in the area of Ethernet MAC / 10BASE-T1S

Our interdisciplinary development teams design highly complex automotive ASICs and standard products with maximum reliability. To strengthen our design teams in the field of digital design, we are looking for highly motivated students to join us as interns or working students.

During this internship/working student activity the following tasks are to be solved:

- Familiarization with the development of an Ethernet MAC in the context of Automotive Ethernet and 10BASE-T1S
- Analysis of relevant requirements of the Ethernet 10BASE-T1S standard
- Development and implementation of RTL components, conducting simulations, and assisting with FPGA prototyping
- Documentation of results

Our requirements:

- Currently pursuing a degree in electrical engineering, information systems engineering, computer engineering, or a related field
- Basic knowledge of (System) Verilog, C, Python, scripting, and Git/SVN
- Meticulous, structured, and independent work style
- Basic knowledge of Ethernet and bus systems is a plus
- Experience with RTL design, simulation tools, FPGA platforms, or oscilloscopes is desirable
- Willingness to contribute to other related topics in the field of 10BASE-T1S and bus systems

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

dmos²
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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