



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 verification in the Ethernet PHY / 10BASE-T1S domain

Our interdisciplinary development teams design highly complex automotive ASICs and standard products with maximum reliability. To strengthen our design teams in the area of verification, we are looking for highly motivated students for internships or part-time student positions.

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

- Familiarization with the verification of an Ethernet PHY IP in the context of Automotive Ethernet and 10BASE-T1S
- Analysis of relevant requirements of the Ethernet 10BASE-T1S standard
- Development and execution of use cases and verification tests
- Optional: Verification using UVM and validation on an FPGA platform
- Documentation of results

Our requirements:

- Currently pursuing a degree in electrical engineering, information systems engineering, computer engineering, or a comparable 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 simulation tools, UVM, FPGA platforms, or oscilloscopes is desirable
- Willingness to collaborate on 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

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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