

STELLENAUSSCHREIBUNG

Bachelorarbeit, Hilfskraftstelle, Studentische Abschlussarbeit

HETEROGENEOUS SYSTEMS TIMING SIMULATION

UMFELD

Within the environment of the autoSWIFT research project, we are looking for a scientific assistant or a student, that is interested in to prepare his Bachelor thesis, to implement the concept of timing in Simulink automotive simulations. The simulations involves heterogeneous systems designed for embedded applications and the resulting framework has to be able to model such systems via the popular MATLAB / Simulink programming environment.

AUFGABEN

- Definition and implementation of timing concepts for Simulink blocks that are associated to different processors
- Generation of C / C++ code from the model in a way that it will help the timing analysis process

WIR BIETEN

- An interdisciplinary work environment with partners from science and business
- An industrial working environment and organization
- Constructive cooperation

WIR ERWARTEN

- Basic knowledge of programming and software engineering
- Previous experience with MATLAB/Simulink is desirable
- Basic English skills
- Motivation and commitment

BEWERBUNG

- Up-to-date grade reports
- Short Curriculum Vitae

WEITERE INFORMATIONEN

- Start: as soon as possible
- Project homepage: <https://www.edacentrum.de/autoswift>
- Themen-Schwerpunkt: Eingebettete Systeme, Embedded Systems and Security, Parallelverarbeitung und Multicore, Sichere und intelligente Fahrzeuge, Software-Entwicklung, Softwareperformance
- Studiengänge: Informatik, Mathematik, Verwandte Studiengänge, Wirtschaftsinformatik
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