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Internship Prototype Implementation and Evaluation of a Model Equation Reduction Method

Organization: Robert Bosch GmbH | Nation: Germany | Location: Renningen | Functional Area: Research & Development | Level: Internship | Date: 07.09.2016 | Reference no.: DE00471580

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The Corporate Sector Research and Advance Engineering is in charge of designing, testing and exploring systems, components and technologies. Our innovations consistently aim to achieve an improvement in the quality of life. Renningen, near Stuttgart, is the new hub of the Bosch Group's global research and advance engineering activities. Here around 1,600 employees from the center for research and advance engineering will develop new materials, methods, and technologies, along with new systems, components, and production processes.

Your contribution to something big

Prototype implementation of a model reduction method that systematically eliminates or replaces terms in a set of symbolic equations. The method shall be applied to a vehicle dynamics model in order to demonstrate the feasibility and benefits of an automated tool support.

Start: November 2016
Length of this internship: 3 months

What distinguishes you

- You are studying Computer Science, Mathematics, Mechanical Engineering, or similar.
- You have good programming knowledge in Matlab or object oriented languages.
- Ideally you have experience with object oriented modeling (Modelica) or symbolic math (Maple, Mathematica).
- You have good German or English language skills.

Requirement for this internship being enrolled in university. Please attach your proof of enrolment, examination regulations and when indicated work permit and legal alien resident.

For more information please contact Mr. Lenord. Phone: +49(0)711/811-11821