

System Design Engineer for ASIC-MEMS Sensor Systems (f/m/div.)



Standort
Reutlingen



Arbeitszeitmodell
Vollzeit



Startdatum
Nach Vereinbarung



Ihr Einstieg als
Absolvent/-in



Arbeitsbereich
Forschung



Rechtseinheit
Robert Bosch GmbH

Ihre Aufgaben

Within the AE (Automotive Electronics) division of Robert Bosch GmbH, you will be responsible for the system development and system simulation of ASIC-MEMS sensor systems.

You develop new concepts in consultation with the system architect and you are also responsible for the model-based description and simulation of the overall system and the sub-components as part of the model-based system development. Based on the function models, you create and carry out the system design optimizations and define the requirements for the components together with the interdisciplinary system team consisting of system architects.

Wissenswertes

In addition, you will develop suitable test strategies for acceptance of the components, integration and verification of the system. Finally, you compare the results of the system simulations with the characterization results, interpret them with the help of the system simulations and, if necessary, derive remedial measures.

During the entire time, from the beginning of the research project to the start of series production, you will create the necessary documentation and coordinate and carry out the necessary reviews of the development steps independently. In addition, you will work across departments with various development and research departments and develop new methods for modeling and simulation.

Ihr Profil

Education:

Completed university studies (master's degree/diploma/PhD) electrical engineering, physics, computer science or technical cybernetics or a comparable subject

Personality and Working Practice:

Structured, analytical, team player, communicative, committed, independent, high degree of customer orientation

Experience and Knowledge:

Practical experience in the field of system modeling or from a comparable environment, ideally experience in the field of optical sensors and model-based system engineering

Qualifications:

Familiar with Matlab/Simulink

Languages: Good communication skills in written and spoken English and German

Ihre zukünftige Arbeitswelt

Möchten Sie Ihre Ideen in nutzbringende und sinnvolle Technologien verwandeln? Ob im Bereich Mobility Solutions, Consumer Goods, Industrial Technology oder Energy and Building Technology – mit uns verbessern Sie die Lebensqualität der Menschen auf der ganzen Welt.

Willkommen bei Bosch.

Sie haben Fragen zum Bewerbungsprozess?

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Sie haben fachliche Fragen zum Job?

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