The Department of Computer Science at TU Kaiserslautern is one of the leading computer science locations in Germany – due also to its collaboration with the research institutes MPI for Software Systems, Fraunhofer IESE, and DFKI.

In the Software Engineering Research Group "Processes and Measurement", there is an immediate vacancy for a

Scientist (m/f, full-time)

in the area of Software Engineering

Your Tasks:

You will be working as a scientist with the intention of pursuing further academic qualification. The position is offered at the Chair for Software Engineering: Processes and Measurement at TU Kaiserslautern and is funded by the collaborative research project "ARAMIS - Automotive, Railway and Avionic Multi-core Systems" and the pilot project ViERforES II of the German Federal Ministry of Education and Research (BMBF). The position offers the possibility of obtaining a PhD in collaboration with renowned partners from industry and research. One sub-goal of these projects is the integration of innovative system engineering methods, techniques, and tools into an integrated development methodology as well as its empirical validation. Your tasks will focus on the following areas:

- Elicitation of requirements for an integrated development process for multicore systems. Integration of innovative methods, techniques, and tools into a development process. Formalized process description.
- Derivation of suitable KPIs for the quantitative evaluation of methods, techniques, and tools.
- Coordination, support, performance, and analysis of goal-oriented empirical studies for assessing the effectiveness of new technologies (techniques, methods, tools). Collection, packaging, and summary assessment of the evaluation results.

About Us:

The Research Group Software Engineering: Processes and Measurement conducts research into issues such as empirical software engineering development processes and methods. The goal is to develop software in accordance with pertinent requirements. The Research Group is integrated into the Leading-Edge Cluster at TU Kaiserslautern and is collaborating in several research projects. In addition, there is close cooperation with the Fraunhofer Institute for Experimental Software Engineering (IESE).

Your Profile:

You have graduated with a degree in **computer science** or in an **engineering science** with above-average results. You are used to working independently, flexible, fluent in German and English, and interested in scientific work, and you plan to do your PhD.

Our Offer:

We are offering interesting, research-oriented work in an internationally renowned environment in a supportive team. Remuneration is in accordance with the Collective Wage Agreement for *Länder* Employees (TV-L), level TV-L E13. We expect you to complete your PhD within 3 years. The University of Kaiserslautern strives to increase the proportion of women in research and teaching and thus expressly encourages qualified female graduates to apply. Applicants with children are welcome. If equally qualified, applicants with disabilities will be hired preferentially (please include proof of disability).

Please send your application with the usual supporting documents to:

Prof. Dr. Dr. h. c. Dieter Rombach, Fachbereich Informatik, Technische Universität Kaiserslautern, Postfach 3049, 67653 Kaiserslautern, Germany