

The TU Darmstadt is one of Germany's top technical universities with an outstanding nation-wide and international reputation in research and education. The chair Modeling and Analysis of Information Systems (MAIS) in the Department of Computer Science is led by Prof. Dr.-Ing. Heiko Mantel. The overall research objective of MAIS is to make software-based systems more trustworthy. We are offering a



PostDoc Position in Security Engineering.

As a successful applicant, you will develop reliable engineering methods for developing security critical software systems. You may build on previously developed concepts for expressing security requirements for abstract specifications, such as the Modular Assembly Kit for Security (MAKS). The challenge will be to support stepwise software development in a way that is robust from the perspective of information flow security. Your research could focus on a selection of the following themes: secure composition and refinement, secure model-based development, tool support for using formal methods in security engineering, and compliance with coding guidelines and evaluation criteria for security.

For this position, you should hold a Ph.D. or be at the final stage of obtaining a Ph.D. degree. A solid background in formal methods and logic is required. A background in information security or model-based software development will be helpful, but is not a prerequisite. Prior knowledge in any of the following areas is also a plus: information flow security, mobile applications, program analysis, and runtime monitoring. Language skills in English and German are expected. Candidates should be highly motivated to tackle challenging research topics and to contribute to an open-minded team.

The position is a regular job with social benefits. The salary will be based on the TV-TU Darmstadt public service salary scale (similar to TV-L). The position is initially for 12 months, with possible extensions.

Work at MAIS. We offer a productive and continuously evolving research environment, in which you can discuss ideas with team members who are working on related topics. Our international connections as well as our involvement in leading-edge research projects, for example the DFG priority program Reliably Secure Software Systems (RS³), the Center for Advanced Security Research Darmstadt (CASED), and The European Center for Security and Privacy by Design (EC SPRIDE), provide further opportunities for collaborations.

How to apply? Please submit your application, preferably on paper, including your detailed CV (stating your language skills in English and German), complete educational transcripts with grades and degrees (copies, no originals), description of your background and your research interests, full publication list, a short summary of three to five selected publications, and, if possible, the contact information of one or two references to Prof. Dr.-Ing. Heiko Mantel, TU Darmstadt, Department of Computer Science, Hochschulstraße 10, 64289 Darmstadt, Germany (mantel@cs.tu-darmstadt.de).

Deadline for applications is 12 June 2013. However, we will consider applications until the position is filled. The position is available immediately but a later start is also possible.

TU Darmstadt is an equal opportunities employer and encourages applications from women. In case of equal qualifications, applicants with a degree of disability of at least 50 will be given preference.

More information on MAIS is available at <http://www.mais.informatik.tu-darmstadt.de>
In case of questions, please contact us by e-mail (recruiting@mais.informatik.tu-darmstadt.de)