Starting April 1st, 2016, the Software Technology Group is looking for a

Research Assistant (doctoral or post-doc)
(pay scale 13 TV-L or 14 TV-L, depending on responsibilities and qualifications)

The initial employment term is for three years, with the possibility of an extension. Doctoral candidates will work towards acquiring their doctoral degree, whereas post-docs will have the opportunity to strengthen their scientific and professional qualifications, supported through appropriate trainings.

The Software Technology Group is developing tools and methods that make tomorrow's systems safer, more functional, and more secure. Our practical research involves collaborations with renowned international partners from the scientific community, the political sector, as well as industry, and several tools that have been developed by the group are being used by hundreds of research groups and companies worldwide. Scientifically, the group is focused on designing automated code-analysis techniques for uncovering security flaws in large-scale applications.

The Software Technology Group is involved in a range of interdisciplinary activities, such as the Fraunhofer Research Institution for *Engineering Mechatronics*, the DFG collaborative research center 901 *On-the-fly computing,* an *NRW research training group* and the excellence cluster *it's owl*.

We are looking for researchers who want to make long-lasting contributions to the secure and privacy-friendly design of cyber-physical systems. This requires an analytical mind, as well as one that can reason like a hacker, having the perception and intuition about system vulnerabilities that an actual attacker would have. Applicants should therefore be interested in contributing to security analyses of existing architectures and systems.

Your responsibilities:

• Contributing to research and teaching in the area of Secure Software Engineering
• Contributing to third-party funded projects of the group
• Delivering lectures, seminars or labs related to Secure Software Engineering

What we require of applicants:

• Very good completed Master or doctoral degree in Computer Science, Mathematics, Electrical or Mechanical Engineering
• For post-docs: multiple publications at reputable international venues
• Very good command of written and spoken German or English, and the general willingness to learn German

We offer:

• Exciting, highly relevant research topics with a direct transfer into practice
• A young, agile and cooperative working environment that invites you to be creative
• For post-docs: further development of professional and management skills

Applications from women are particularly welcome and, in case of equal qualifications and experience, will receive preferential treatment according to state law (LGG). Qualified disabled people (in the sense of the German social law SGB IX) are also encouraged to apply. The positions are full positions but part-time employment is possible in general.

Please send your application, including a cover letter, your CV, list of publications and the contact data of at least two references, by e-mail (**Subject: WiMi16**) to:

Prof. Dr. Eric Bodden
se-jobs.cs@upb.de

Informal inquiries should be directed to the above e-mail address.