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INFORMATIK-KOLLOQUIUM

Der Fachbereich Informatik der Johannes Kepler Universität Linz und das Christian Doppler Labor für Automated Software Engineering laden in Zusammenarbeit mit der Österreichischen Gesellschaft für Informatik (ÖGI) und der Österreichischen Computer Gesellschaft (OCG) zu folgendem Vortrag ein:

Dr. Sven Apel
Universität Passau

Safe Generation in Feature-Oriented Software Development

Mittwoch, 25. November 2009, 13:00
Universität Linz, T711

Feature-oriented software development (FOSD) is an emerging paradigm that provides a multitude of formalisms, methods, languages, and tools for building well-structured, customizable, and extensible software systems. The idea is to decompose software along its end-user visible features and to generate tailored software systems based on feature selections of users. The set of valid feature combinations of a domain is called a software product line.

In this talk, I will give an overview of some recent developments in this field. Especially, I will concentrate on recent attempts to ensure correctness properties throughout the FOSD process. This includes work on type checking, formal verification, and feature interaction analysis of feature-oriented software product lines.

Sven Apel is a post-doctoral associate at the Chair of Programming at the University of Passau, Germany. He received a Ph.D. in Computer Science from the University of Magdeburg, Germany in 2007. His research interests include advanced programming paradigms, software product line engineering, and formal methods for software construction.

a. Univ.-Prof. Dr. Paul Grünbacher

Der Fachbereich Informatik besteht aus folgenden Instituten: Angewandte Systemforschung und Statistik, Anwendungsorientierte Wissensverarbeitung, Bioinformatik, Computational Perception, Computergrafik, Formale Modelle und Verifikation, Graphische und Parallele Datenverarbeitung, Informationsverarbeitung und Mikroprozessortechnik, Integrierte Schaltungen, integriert studieren, Pervasive Computing, Systemsoftware, Systems Engineering und Automation, Telekooperation.