Das Institut für Informatik und die Heidelberger Graduiertenschule MathComp laden herzlich ein zum Informatik-Kolloquium

am 31.1.2012, 16:15, INF 327, EG, Seminarraum 5

Prof. Dr. Günther Ruhe, University of Calgary, Canada
Decision Support for Software Release Planning

The talk is devoted to modeling, optimization methods and related tools for decision support in software release planning. Release decisions are part of product management, an emerging discipline that aims at improving the whole process of development ranging from product requirements to design, implementation, product launch, and service. In its essence, release planning is the process of defining the functionality of a sequence of product releases as part of incremental development. Customers and stakeholders are continuously asking for more features or revision of existing ones. But: Which ones to finally select for the next release and why? And: Which features are not attractive enough and are better left out (or postponed)? Release planning is a cognitively and computationally challenging problem because of its size, the number of stakeholders involved in it, the variety of variables that need to be looked at, and the uncertainty of the information it is relying upon. The overall goal is to determine a “most promising” release plan such that the total degree of satisfaction of all the different stakeholders is maximized.

Dr. Ruhe (http://sem.cpsc.ucalgary.ca/~ruhe/) received a doctorate rer. nat degree (Applied Mathematics) from Freiberg University, Germany and a doctorate habil. nat. degree (Informatics) from University of Kaiserslautern, Germany. From 1996 until 2001 he was deputy director of the Fraunhofer Institute for Experimental Software Engineering Fh IESE. Since 2001, Ruhe holds an Industrial Research Chair in Software Engineering at University of Calgary. He has extensive experience in industry collaboration and technology transfer. He has organized different international conferences and workshops, has given keynotes at various conferences and has published more than 180 reviewed research papers at journals, workshops and conferences. In the area of software release planning, Ruhe recently published a book and received a US patent. He is the Associate Editor of the Elsevier Journal Information and Software Technology IST and a member of the Editorial Board of various other journals (such as JSME and IJSEKE). He is a member of the ACM, the IEEE Computer Society, and the German Informatics Society GI.