ℹnformatik-Kolloquium

Der Fachbereich Informatik der Johannes Kepler Universität Linz[1] lädt in Zusammen-arbeit mit der Österreichischen Gesellschaft für Informatik (ÖGI), dem Christian Doppler Labor für Automated Software Engineering und dem Institut für Wirtschaftsinformatik zu folgendem Vortrag ein:

Prof. Dr. Martin Glinz
Universität Zürich, Institut für Informatik

Quality Requirements – A New Look at an Old Problem

Mittwoch, 19. Jänner 2011, 17:15 Uhr
Johannes Kepler Universität Linz, HS 8

Abstract:
Quality requirements, i.e. those requirements that pertain to a system's quality attributes such as safety, reliability, etc., are traditionally regarded to be useful only when they are either operationalized (i.e. expressed as functions) or represented quantitatively so that they can be measured. In this talk, I will present a value-oriented approach to specifying software quality requirements that deviates from the classic approach. The new approach uses a broad range of potential representations that are selected on the basis of risk assessment. Requirements engineers select a quality requirement representation such that they get an optimal balance between mitigating the risk of developing a system that doesn't satisfy the stakeholders' desires and needs on the one hand and the cost of specifying the requirement in the selected representation on the other hand. Furthermore, I will discuss the impact of this new way of specifying software quality requirements on software architecture and implementation.

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[1] Der Fachbereich (http://informatik.jku.at) besteht aus folgenden Instituten:
Anwendungsorientierte Wissensverarbeitung (FAW), Bioinformatik, Computational Perception, Computergrafik, Computer-Architektur, Formale Modelle und Verifikation, Informationsverarbeitung und Mikroprozessortechnik (FIM), Integrierte Schaltungen, „integriert studieren", Pervasive Computing, Systemsoftware, Systems Engineering und Automation, Telekooperation

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Biography:

Martin Glinz is a full professor of Informatics at the University of Zurich. His interests include requirements and software engineering – in particular modeling, validation, and quality - and software engineering education. He received his Dr. rer. nat. in Computer Science from RWTH Aachen University. Before joining the University of Zurich, he worked in industry for ten years where he was active in software engineering research, development, training, and consulting. He is on editorial boards and program committees of major journals and conferences in software and requirements engineering. He is General Chair of ICSE 2012 and past chair of the steering committee of the IEEE International Requirements Engineering Conference.

a. Univ-Prof. Dr. Paul Grünbacher
Inst. Systems Eng. & Automation

o. Univ.-Prof. DI Dr. Gustav Pomberger
Inst. für Wirtschaftsinformatik

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