Keynote title:
What BPM Technology Can Do for Healthcare Process Support

Keynote Speaker:
Prof. Dr. Manfred Reichert
University of Ulm, Institute of Databases and Information Systems, Germany
E-mail: manfred.reichert@uni-ulm.de

Abstract:
Healthcare organizations are facing the challenge of delivering personalized services to their patients in a cost-effective and efficient manner. This, in turn, requires advanced IT support for healthcare processes covering both organizational procedures and knowledge-intensive, dynamic treatment processes. Nowadays, required agility is often hindered by a lack of flexibility in hospital information systems. To overcome this inflexibility a new generation of information systems, denoted as process-aware information systems (PAISs), has emerged. In contrast to data- and function-centered information systems, a PAIS separates process logic from application code and thus provides an additional architectural layer. However, the introduction of process-aware hospital information systems must neither result in rigidity nor restrict staff members in their daily work. This keynote presentation reflects on recent developments from the business process management (BPM) domain, which enable process adaptation, process flexibility, and process evolution. These key features will be illustrated along existing BPM frameworks. Altogether, emerging BPM methods, concepts and technologies will contribute to further enhance IT support for healthcare processes.

Short Bio:
Manfred Reichert holds a PhD in Computer Science and a Diploma in Mathematics. Since January 2008 he has been appointed as full professor at the University of Ulm. Before he was working as Associate Professor at the University of Twente (UT), The Netherlands. At UT he was also leader of the strategic research orientations on e-health and on service-oriented architectures, and member of the Management Board of the Centre for Telematics and Information Technology (CTIT). His major research interests are next generation process management technology (e.g., adaptive processes, process lifecycle management, process visualization, data-driven workflows), service-oriented architectures (e.g., service interoperability, service evolution), and advanced applications for ICT solutions (e.g., e-health, automotive engineering). Together with Peter Dadam he pioneered the work on the ADEPT process management system. Manfred has been participating in numerous research projects in the BPM area and contributed numerous papers. Further, he has co-organized international and national conferences and workshops. Manfred has been PC-Co-Chair of the BPM'08 and the CoopIS'11 conferences and General Chair of the BPM'09 conference.