

# Towards Dynamic Knowledge Support in Software Engineering Processes

Gregor Grambow<sup>1</sup>, Roy Oberhauser<sup>1</sup>, Manfred Reichert<sup>2</sup>

<sup>1</sup> Computer Science Dept., Aalen University, Germany  
{gregor.grambow, roy.oberhauser}@htw-aalen.de

<sup>2</sup>Institute for Databases and Information Systems, Ulm University, Germany  
manfred.reichert@uni-ulm.de

**Abstract:** Software development projects have historically been challenged with respect to producing a quality product. To some extent, this can be attributed to the complex, dynamic, and highly intellectual process of creating software. While efforts have been made to support both *process execution* and *knowledge management* with automated systems in software engineering (SE), the effective dissemination of knowledge and its concrete utilization in the development process remain problematic. This paper contributes an approach that associates automated workflow governance support with knowledge management and semantic technology. This enables the dynamic injection of contextually relevant SE knowledge into software development workflow execution.