Service Orientation in Mobil Computing – An Overview

By
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On
Monday, November 20th, 2006; 11:00AM
EC 2300, 10555 West Flagler Street

Abstract:
Service-Orientation is a promising programming paradigm and the latest evolution of distributed computing. In recent years it has evolved to a standard technique employed successfully for instance in the area of B2B commerce and enterprise application integration. However, as of today central tasks like service discovery and matchmaking (the locating of suitable partners), service binding (i.e. integration into existing processes) or service composition (create value-added services out of existing component services) are performed manually. Meanwhile academia has developed numerous approaches leveraging semantic annotations to automate these tasks. Although these issues have received enormous attention within various research communities, up to now they have not been solved satisfactorily. The talk motivates the need for better solutions especially for the area of Mobile Computing. It provides an overview of the state of the art in the area, highlights current trends and points out some open research challenges.

Biography:
Ulrich Küster studied computer science at the University of Jena, Germany and received his MSc in 2005. Since then he is working towards his PhD at the endowed Heinz-Nixdorf Chair for Practical Computer Science at the University of Jena. His main research area are service matchmaking and automated service composition using semantic service descriptions.

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