Proceedings of the
First International DisCoTec Workshop on
Context-aware Adaptation Mechnaisms for
Pervasive and Ubiquitous Services
(CAMPUS 2008)

Preface

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3 Pages

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There is a huge market potential for mobile applications in Europe today. Most people already carry a mobile device of some sort wherever they go, and an increasingly diverse set of devices (PDAs, smart phones, GPS, etc.) are becoming widely available. Recently, service-orientations (e.g., OSGi) have evolved to address these highly dynamic environments. However, it is still technically difficult, using existing method and tool supports, to create such services-oriented applications. For example, the very large range of devices, types of infrastructure, ways in which it can change, situations in which users can find themselves, and the functions they want, introduce great complexity and pose considerable technical challenges. To overcome these difficulties, and promote the development and widespread deployment of innovative mobile applications, more and more projects are addressing the development of context-aware adaptation mechanisms for leveraging the development of mobile applications. These projects aims at providing simple but powerful integrated approaches to support the development of applications interacting in pervasive and ubiquitous environments. Thus, the CAMPUS workshop will focus on the promising approaches in the domain of context aware adaptation mechanisms supporting the dynamic evolution of the execution context (e.g., network/device/service failures).

This volume contains the proceedings of the first workshop on Context-aware Adaptation Mechanisms for Pervasive and Ubiquitous Services, held in Oslo, Norway, June 3, 2008. The CAMPUS workshop is jointly organized by the MUSIC and PLASTIC IST projects. It provides a forum for scientists and engineers in academia and industry to present and discuss their latest research. The focus of the conference is the design, implementation, deployment, and evaluation of adaptive platforms and architectures for context-aware environments. This year, we had 20 submissions from 11 different countries, among which the top 7 technical papers and 5 position papers were selected for inclusion in the technical program of the workshop. All papers were evaluated by at least three reviewers with respect to their originality, technical merit, presentation quality, and relevance to the workshop themes. The selected papers present the latest results and breakthroughs on middleware research in areas of automotive systems, ubiquitous environments, pervasive environments, ambient computing, multimedia computing. We would like to express our deepest appreciation to the authors of the submitted papers, to all Program Committee members for their diligence in the paper review and selection process, and to all external reviewers for their help in evaluating submissions.

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