Proceedings of the
4th International DisCoTec Workshop on
Context-aware Adaption Mechanisms for Pervasive
And Ubiquitous Services
(CAMPUS 2011)

Preface

4 pages

Preface

Nowadays, there is a global exponential increase in the use of portable smart devices, such as tablets, smart phones, GPS, etc. These small devices have a huge impact on the everyday life of its users, either for work or leisure. As a consequence to this, the availability and behavior of the services that can be used with such devices has become a big concern. Moreover, the existing tools still have some limitations to face these concerns properly, given the heterogeneity and the unstable presence of devices and platforms, and the great variability of situations that users might encounter. 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 aim at providing simple but powerful integrated approaches to support the development of applications interacting in pervasive and ubiquitous environments. Thus, these projects, as well as other projects, tackle the growing complexity of building large and dynamic distributed systems. With regards to this challenge, 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 fourth workshop on Context-aware Adaptation Mechanisms for Pervasive and Ubiquitous Services, held in Reykjavik, Iceland, on June 9, 2011. The CAMPUS workshop is jointly organized by the MUSIC, CONNECT, and DiVA 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, the workshop intends to encourage submissions related adaptation issues addressed by some emerging themes in the service computing community: Sensor as a Service, Ambient Social Services and Green IT. We had 4 submissions from 4 different countries, among which only 3 papers were selected for inclusion in the program of the workshop. All papers were evaluated by at least four 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 and 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.

June, 2011

Gabriel Hermosillo
Russel Nzekwa
Michael Wagner

Organization

Steering Committee

Sonia Ben Mokhtar	CNRS, France
Frank Eliassen	University of Oslo, Norway
Kurt Geihs	University of Kassel, Germany
Svein Hallsteinsen	SINTEF ICT, Norway
Geir Horn	SINTEF ICT, Norway
Valérie Issarny	INRIA, France
Romain Rouvoy	University Lille 1, France
Lionel Seinturier	University Lille 1, France

Organisation Committee

Program chair
Gabriel Hermosillo   INRIA Lille Nord Europe, France
Publicity chair
Russel Nzekwa   INRIA Lille Nord Europe, France
Publication chair
Michael Wagner   University of Kassel, Germany

Program Committee

Olivier Barais	University de Rennes 1, France
Sonia Ben Mokhtar	CNRS, France
Yolande Berbers	K.U.Leuven, Belgium
Gordon Blair	Lancaster University, UK
Johann Bourcier	Irisa – Univ. Rennes 1 & INRIA, France
Franck Chauvel	Peking University, China
Ruzanna Chitchyan	Lancaster University, UK
Diana Comes	University of Kassel, Germany
Denis Conan	Institut Telecom, France
Geoff Coulson	Lancaster University, UK
Wolfgang De Meuter	Vrije Universiteit Brussel, Belgium
Schahram Dustdar	Vienna University of Technology, Austria
Frank Eliassen	University of Oslo, Norway
Gabriel Hermosillo	INRIA – Nord Europe, France
Geir Horn	SINTEF ICT, Norway
Joseph Loyall	BBN Technologies, Massachusetts
Ilaria Matteucci	Istituto di Informatica e Telematica, Italy
René Meier	Trinty College Dublin, Ireland
Nearchos Paspallis	University of Cyprus, Cyprus
Pascal Poizat	University of Evry, France
Hongyang Qu	Oxford University, UK
Romain Rouvoy	University Lille 1, France
Rachid Saadi	INRIA, France
Antonino Sabetta	SAP Research Sophia–Antipolis, France
Lionel Seinturier	University Lille 1, France
Sotirios Terzis	University of Strathclyde, UK
Massimo Tivoli	University of L'Aquila, Italy
Guido Urdaneta	Vrije Universiteit, Netherlands
Michael Wagner	University of Kassel, Germany

External Referees

Kevin Pinte	Vrije Universiteit Brussel, Belgium

Contents