

Table of Contents

Foundations: Concepts, Models, and Paradigms

The Concept of Relevance in Mobile and Ubiquitous Information Access	1
<i>Paolo Coppola, Vincenzo Della Mea, Luca Di Gaspero, and Stefano Mizzaro</i>	
Conversational Design as a Paradigm for User Interaction on Mobile Devices	11
<i>Mun-Kew Leong</i>	
One-Handed Use as a Design Driver: Enabling Efficient Multi-channel Delivery of Mobile Applications	28
<i>Mikko Nikkanen</i>	
Enabling Communities in Physical and Logical Context Areas as Added Value of Mobile and Ubiquitous Applications	42
<i>Mario Pichler</i>	

Interactions

Accessing Web Educational Resources from Mobile Wireless Devices: The Knowledge Sea Approach	54
<i>Peter Brusilovsky and Riccardo Rizzo</i>	
Spoken versus Written Queries for Mobile Information Access	67
<i>Heather Du and Fabio Crestani</i>	
Focussed Palmtop Information Access Combining Starfield Displays with Profile-Based Recommendations	79
<i>Mark Dunlop, Alison Morrison, Stephen McCallum, Piotr Ptaskinski, Chris Risbey, and Fraser Stewart</i>	

Applications and Experimental Evaluations

Designing Models and Services for Learning Management Systems in Mobile Settings	90
<i>Alfio Andronico, Antonella Carbonaro, Luigi Colazzo, Andrea Molinari, Marco Ronchetti, and Anna Trifonova</i>	
E-Mail on the Move: Categorization, Filtering, and Alerting on Mobile Devices with the ifMail Prototype	107
<i>Marco Cignini, Stefano Mizzaro, Carlo Tasso, and Andrea Virgili</i>	
Mobile Access to the Físchlár-News Archive	124
<i>Cathal Gurrin, Alan F. Smeaton, Hyowon Lee, Kieran McDonald, Noel Murphy, Noel O'Connor, and Sean Marlow</i>	

A PDA-Based System for Recognizing Buildings from User-Supplied Images . . .	143
<i>Wanji Mai, Gordon Dodds, and Chris Tweed</i>	
SmartView and SearchMobil: Providing Overview and Detail in Handheld Browsing	158
<i>Natasa Milic-Frayling, Ralph Sommerer, Kerry Rodden, and Alan Blackwell</i>	
Compact Summarization for Mobile Phones	172
<i>Yohei Seki, Koji Eguchi, and Noriko Kando</i>	
Supporting Searching on Small Screen Devices Using Summarisation	187
<i>Simon Sweeney and Fabio Crestani</i>	
Towards the Wireless Ward: Evaluating a Trial of Networked PDAs in the National Health Service	202
<i>Phil Turner, Garry Milne, Susan Turner, Manfred Kubitscheck, and Ian Penman</i>	
Aspect-Based Adaptation for Ubiquitous Software	215
<i>Arturo Zambrano, Silvia Gordillo, and Ignacio Jaureguiberry</i>	
Context and Location	
Context-Aware Retrieval for Ubiquitous Computing Environments	227
<i>Gareth J.F. Jones and Peter J. Brown</i>	
Ubiquitous Awareness in an Academic Environment	244
<i>Miguel Nussbaum, Roberto Aldunate, Farid Sfeid, Sergio Oyarce, and Roberto Gonzalez</i>	
Accessing Location Data in Mobile Environments – The Nimbus Location Model	256
<i>Jörg Roth</i>	
A Localization Service for Mobile Users in Peer-to-Peer Environments	271
<i>Marie Thilliez and Thierry Delot</i>	
Sensing and Filtering Surrounding Data: The PERSEND Approach	283
<i>David Touzet, Frédéric Weis, and Michel Banâtre</i>	
Author Index	299

Mobile and Ubiquitous Information Access

Mobile HCI 2003 International Workshop, Udine, Italy,

September 8, 2003, Revised and Invited Papers

Crestani, F.; Dunlop, M.; Mizzaro, S. (Eds.)

2004, X, 306 p., Softcover

ISBN: 978-3-540-21003-0