

Table of Contents

Part I. Interacting within Smart Spaces

Smart Artefacts as Affordances for Awareness in Distributed Teams.....3	
<i>Norbert Streitz, Thorsten Prante, Carsten Röcker, Daniel van Alphen, Richard Stenzel, Carsten Magerkurth, Saadi Lahlou, Valery Nosulenko, Francois Jegou, Frank Sonder, Daniela Plewe</i>	
From the Disappearing Computer to Living Exhibitions: Shaping Interactivity in Museum Settings30	
<i>John Bowers, Liam Bannon, Mike Fraser, Jon Hindmarsh, Steve Benford, Christian Heath, Gustav Taxén, Luigina Ciolfi</i>	
Opening the Digital Box for Design Work: Supporting Performative Interactions, Using Inspirational Materials and Configuring of Place50	
<i>Pelle Ehn, Thomas Binder, Mette Agger Eriksen, Giulio Jacucci, Kari Kuutti, Per Linde, Giorgio De Michelis, Simon Niedenthal, Bo Petterson, Andreas Rumpfhuber, Ina Wagner</i>	
Spatial Computing and Spatial Practices77	
<i>Anders Brodersen, Monika Büscher, Michael Christensen, Mette Agger Eriksen, Kaj Grønbaek, Jannie Friis Kristensen, Gunnar Kramp, Peter Krogh, Martin Ludvigsen, Preben Holst Mogensen, Michael Bang Nielsen, Dan Shapiro, Peter Ørbæk</i>	

Part II. Designing for the Home and Social Activities

Co-designing Communication Technology with and for Families – Methods, Experience, Results and Impact.....99	
<i>Sinna Lindquist, Bo Westerlund, Yngve Sundblad, Helena Tobiasson, Michel Beaudouin-Lafon, Wendy Mackay</i>	
Assembling Connected Cooperative Residential Domains..... 120	
<i>Tom Rodden, Andy Crabtree, Terry Hemmings, Boriana Koleva, Jan Humble, Karl-Petter Åkesson, Pär Hansson</i>	
Intrusiveness Management for Focused, Efficient, and Enjoyable Activities..... 143	
<i>Fredrik Espinoza, David De Roure, Ola Hamfors, Lucas Hinz, Jesper Holmberg, Carl-Gustaf Jansson, Nick Jennings, Mike Luck, Peter Lönnqvist, Gopal Ramchurn, Anna Sandin, Mark Thompson, Markus Bylund</i>	

Part III. System Architecture and Infrastructures

Towards Ubiquitous Computing Applications Composed from Functionally Autonomous Hybrid Artifacts 161
Nicolas Drossos, Irene Mavrommati, Achilles Kameas

Towards Dynamic and Cooperative Multi-device Personal Computing..... 182
Spyros Lalis, Anthony Savidis, Alexandros Karypidis, Jurg Gutknecht, Constantine Stephanides

An Attention-Based Architecture for Context Switch Detection..... 205
Nicolas Tsapatsoulis, Stathis Kasderidis, John G. Taylor

Part IV. Augmenting Physical Artefacts

Emerging Sounds for Disappearing Computers..... 233
Davide Rocchesso, Roberto Bresin

Electronically Functional Fibre Technology Development for Ambient Intelligence 255
Thomas Healy, Constantin Papadas, Nikos Venios, Frank Clemens, Markus Wegmann, Doerte Winkler, Astrid Ullsperger, Wolf Hartmann, Brendan O’Neill, Julie Donnelly, Anne-Marie Kelleher, John Alderman, Alan Mathewson

Augmented Paper: Developing Relationships Between Digital Content and Paper 275
Paul Luff, Guy Adams, Wolfgang Bock, Adam Drazin, David Frohlich, Christian Heath, Peter Herdman, Heather King, Nadja Linketscher, Rachel Murphy, Moira Norrie, Abigail Sellen, Beat Signer, Ella Tallyn, Emil Zeller

Author Index 299

Subject Index 301