Foreword

The 13th International Conference on Human–Computer Interaction, HCI International 2009, was held in San Diego, California, USA, July 19–24, 2009, jointly with the Symposium on Human Interface (Japan) 2009, the 8th International Conference on Engineering Psychology and Cognitive Ergonomics, the 5th International Conference on Universal Access in Human–Computer Interaction, the Third International Conference on Virtual and Mixed Reality, the Third International Conference on Internationalization, Design and Global Development, the Third International Conference on Online Communities and Social Computing, the 5th International Conference on Augmented Cognition, the Second International Conference on Digital Human Modeling, and the First International Conference on Human Centered Design.

A total of 4,348 individuals from academia, research institutes, industry and governmental agencies from 73 countries submitted contributions, and 1,397 papers that were judged to be of high scientific quality were included in the program. These papers address the latest research and development efforts and highlight the human aspects of the design and use of computing systems. The papers accepted for presentation thoroughly cover the entire field of human-computer interaction, addressing major advances in knowledge and effective use of computers in a variety of application areas.

This volume, edited by Constantine Stephanidis, contains papers in the thematic area of Universal Access in Human–Computer Interaction, addressing the following major topics:

- Universal Access in the Home Environment
- Ambient Intelligence and Ambient Assisted Living
- Mobile and Ubiquitous Interaction
- Alternative Interaction Techniques and Devices
- Intelligence, Adaptation and Personalization

The remaining volumes of the HCI International 2009 proceedings are:

- Volume 1, LNCS 5610, Human–Computer Interaction—New Trends (Part I), edited by Julie A. Jacko
- Volume 2, LNCS 5611, Human–Computer Interaction—Novel Interaction Methods and Techniques (Part II), edited by Julie A. Jacko
- Volume 3, LNCS 5612, Human–Computer Interaction—Ambient, Ubiquitous and Intelligent Interaction (Part III), edited by Julie A. Jacko
- Volume 4, LNCS 5613, Human–Computer Interaction—Interacting in Various Application Domains (Part IV), edited by Julie A. Jacko
- Volume 5, LNCS 5614, Universal Access in Human–Computer Interaction—Addressing Diversity (Part I), edited by Constantine Stephanidis
I would like to thank the Program Chairs and the members of the Program Boards of all thematic areas, listed below, for their contribution to the highest scientific quality and the overall success of HCI International 2009.

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This conference could not have been possible without the continuous support and advice of the Conference Scientific Advisor, Prof. Gavriel Salvendy, as well as the dedicated work and outstanding efforts of the Communications Chair and Editor of HCI International News, Abbas Moallem.
I would also like to thank for their contribution toward the organization of the HCI International 2009 conference the members of the Human–Computer Interaction Laboratory of ICS-FORTH, and in particular Margherita Antona, George Paparoulis, Maria Pitsoulaki, Stavroula Ntoa, and Maria Bouhli.

Constantine Stephanidis
The 14th International Conference on Human–Computer Interaction, HCI International 2011, will be held jointly with the affiliated conferences in the summer of 2011. It will cover a broad spectrum of themes related to human–computer interaction, including theoretical issues, methods, tools, processes and case studies in HCI design, as well as novel interaction techniques, interfaces and applications. The proceedings will be published by Springer. More information about the topics, as well as the venue and dates of the conference, will be announced through the HCI International Conference series website: http://www.hci-international.org/

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# Table of Contents

## Part I: Universal Access in the Home Environment

Key Properties in the Development of Smart Spaces .................. 3  
*Sergey Balandin and Heikki Waris*

Design a Multi-Touch Table and Apply to Interior Furniture  
Allocation ...................................................... 13  
*Chien-Hsu Chen, Ken-Hao Nien, and Fong-Gong Wu*

Implementation of a User Interface Model for Systems Control in  
Buildings ....................................................... 20  
*Szu-Cheng Chien and Ardeshir Mahdavi*

A Web-Based 3D System for Home Design  ......................... 29  
*Anthony Chong, Ji-Hyun Lee, and Jieun Park*

Attitudinal and Intentional Acceptance of Domestic Robots by Younger  
and Older Adults ................................................... 39  
*Neta Ezer, Arthur D. Fisk, and Wendy A. Rogers*

Natural Language Interface for Smart Homes  ..................... 49  
*María Fernández, Juan Bautista Montalvá,  
Maria Fernanda Cabrera-Umpierrez, and María Teresa Arredondo*

Development of Real-Time Face Detection Architecture for Household  
Robot Applications ................................................ 57  
*Dongil Han, Hyunjong Cho, Jaekwang Song,  
Hyeon-Joon Moon, and Seong Joon Yoo*

Appropriate Dynamic Lighting as a Possible Basis for a Smart Ambient  
Lighting .......................................................... 67  
*Lajos Izsó*

A New Approach for Accessible Interaction within Smart Homes  
through Virtual Reality ........................................ 75  
*Viveca Jimenez-Mixco, Rafael de las Heras, Juan-Luis Villalar, and  
María Teresa Arredondo*

A Design of Air-Condition Remote Control for Visually Impaired  
People ............................................................... 82  
*Cherng-Yee Leung, Yan-Ting Yao, and Su-Chen Chuang*

Verb Processing in Spoken Commands for Household Security and  
Appliances ......................................................... 92  
*Ioanna Malagardi and Christina Alexandris*
Thermal Protection of Residential Buildings in the Period of Energy Crisis and Its Influence on Comfort of Living

*Przemysław Nowakowski*

Design for All Approach with the Aim to Support Autonomous Living for Elderly People in Ordinary Residences – An Implementation Strategy

*Claes Tjäder*

Speech Input from Older Users in Smart Environments: Challenges and Perspectives

*Ravichander Vipperla, Maria Wolters, Kalliropi Georgila, and Steve Renals*

Sympathetic Devices: Communication Technologies for Inclusion Across Housing Options

*Claudia Winegarden and Brian Jones*

<table>
<thead>
<tr>
<th>Part II: Ambient Intelligence and Ambient Assisted Living</th>
</tr>
</thead>
<tbody>
<tr>
<td>Design Framework for Ambient Assisted Living Platforms</td>
</tr>
<tr>
<td><em>Patricia Abril-Jiménez, Cecilia Vera-Muñoz, Maria Fernanda Cabrera-Umpierrez, María Teresa Arredondo, and Juan-Carlos Naranjo</em></td>
</tr>
<tr>
<td>139</td>
</tr>
<tr>
<td>Ambient Intelligence in Working Environments</td>
</tr>
<tr>
<td><em>Christian Bühler</em></td>
</tr>
<tr>
<td>143</td>
</tr>
<tr>
<td>Towards a Framework for the Development of Adaptive Multimodal User Interfaces for Ambient Assisted Living Environments</td>
</tr>
<tr>
<td><em>Marco Blumendorf and Sahin Albayrak</em></td>
</tr>
<tr>
<td>150</td>
</tr>
<tr>
<td>Workflow Mining Application to Ambient Intelligence Behavior Modeling</td>
</tr>
<tr>
<td><em>Carlos Fernández, Juan-Pablo Lázaro, and Jose Miguel Benedito</em></td>
</tr>
<tr>
<td>160</td>
</tr>
<tr>
<td>Middleware for Ambient Intelligence Environments: Reviewing Requirements and Communication Technologies</td>
</tr>
<tr>
<td><em>Yannis Georgalis, Dimitris Grammenos, and Constantine Stephanidis</em></td>
</tr>
<tr>
<td>168</td>
</tr>
<tr>
<td>A Hybrid Approach for Recognizing ADLs and Care Activities Using Inertial Sensors and RFID</td>
</tr>
<tr>
<td><em>Albert Hein and Thomas Kirste</em></td>
</tr>
<tr>
<td>178</td>
</tr>
<tr>
<td>Towards Universal Access to Home Monitoring for Assisted Living Environment</td>
</tr>
<tr>
<td><em>Rezwan Islam, Sheikh I. Ahamed, Chowdhury S. Hasan, and Mohammad Tanviruzzaman</em></td>
</tr>
<tr>
<td>189</td>
</tr>
<tr>
<td>Title</td>
</tr>
<tr>
<td>----------------------------------------------------------------------</td>
</tr>
<tr>
<td>An Approach to and Evaluations of Assisted Living Systems Using</td>
</tr>
<tr>
<td>Ambient Intelligence for Emergency Monitoring and Prevention</td>
</tr>
<tr>
<td>Thomas Kleinberger, Andreas Jedlitschka, Holger Storf,</td>
</tr>
<tr>
<td>Silke Steinbach-Nordmann, and Stephan Prueckner</td>
</tr>
<tr>
<td>Anamorphosis Projection by Ubiquitous Display in Intelligent Space</td>
</tr>
<tr>
<td>Jeong-Eom Lee, Satoshi Miyashita, Kousuke Azuma, Joo-Ho Lee, and Gwi-Tae Park</td>
</tr>
<tr>
<td>AAL in the Wild – Lessons Learned</td>
</tr>
<tr>
<td>Edith Maier and Guido Kempter</td>
</tr>
<tr>
<td>A Modelling Framework for Ambient Assisted Living Validation</td>
</tr>
<tr>
<td>Juan-Carlos Naranjo, Carlos Fernández, Pilar Sala,</td>
</tr>
<tr>
<td>Michael Hellenschmidt, and Franco Mercalli</td>
</tr>
<tr>
<td>Methods for User Experience Design of AAL Services</td>
</tr>
<tr>
<td>Pilar Sala, Juan-Pablo Lázaro, J. Artur Serrano, Katrin Müller,</td>
</tr>
<tr>
<td>Juan-Carlos Naranjo</td>
</tr>
<tr>
<td>Self Care System to Assess Cardiovascular Diseases at Home</td>
</tr>
<tr>
<td>Elena Villalba, Ignacio Peinado, y María Teresa Arredondo</td>
</tr>
<tr>
<td>Ambient Intelligence and Knowledge Processing in Distributed</td>
</tr>
<tr>
<td>Autonomous AAL-Components</td>
</tr>
<tr>
<td>Ralph Welge, Helmut Faasch, and Eckhard C. Bollow</td>
</tr>
<tr>
<td>Configuration and Dynamic Adaptation of AAL Environments to Personal</td>
</tr>
<tr>
<td>Requirements and Medical Conditions</td>
</tr>
<tr>
<td>Reiner Wichert</td>
</tr>
</tbody>
</table>

### Part III: Mobile and Ubiquitous Interaction

<table>
<thead>
<tr>
<th>Title</th>
<th>Page</th>
</tr>
</thead>
<tbody>
<tr>
<td>Designing Universally Accessible Networking Services for a Mobile</td>
<td>279</td>
</tr>
<tr>
<td>Personal Assistant</td>
<td></td>
</tr>
<tr>
<td>Ioannis Basdekis, Panagiotis Karampelas, Voula Doulgeraki, and</td>
<td></td>
</tr>
<tr>
<td>Constantine Stephanidis</td>
<td></td>
</tr>
<tr>
<td>Activity Recognition for Everyday Life on Mobile Phones</td>
<td>289</td>
</tr>
<tr>
<td>Gerald Bieber, Jörg Voskamp, and Bodo Urban</td>
<td></td>
</tr>
<tr>
<td>Kinetic User Interface: Interaction through Motion for Pervasive</td>
<td>297</td>
</tr>
<tr>
<td>Computing Systems</td>
<td></td>
</tr>
<tr>
<td>Pascal Bruegger and Béat Hirsbrunner</td>
<td></td>
</tr>
<tr>
<td>On Efficiency of Adaptation Algorithms for Mobile Interfaces</td>
<td>307</td>
</tr>
<tr>
<td>Navigation</td>
<td></td>
</tr>
<tr>
<td>Vlado Glavinic, Sandi Ljubic, and Mihael Kukec</td>
<td></td>
</tr>
</tbody>
</table>
XVIII Table of Contents

Accessible User Interfaces in a Mobile Logistics System ............... 317
   Harald K. Jansson, Robert Bjærum, Riitta Hellman, and
   Sverre Morka

Multimodal Interaction for Mobile Learning .......................... 327
   Irina Kondratova

Acceptance of Mobile Entertainment by Chinese Rural People ......... 335
   Jun Liu, Ying Liu, Hui Li, Dingjun Li, and Pei-Luen Patrick Rau

Universal Mobile Information Retrieval ............................... 345
   David Machado, Tiago Barbosa, Sebastião Pais,
   Bruno Martins, and Gaël Dias

ActionSpaces: Device Independent Places of Thought, Memory and
Evolution ....................................................................... 355
   Rudolf Melcher, Martin Hitz, and Gerhard Leitner

Face Recognition Technology for Ubiquitous Computing
Environment .................................................................... 365
   Kanghun Jeong, Seongrok Hong, Ilyang Joo, Jaehoon Lee, and
   Hyeon-Joon Moon

Location-Triggered Code Execution – Dismissing Displays and Keypads
for Mobile Interaction .................................................... 374
   Wolfgang Narzt and Heinrich Schmitzberger

Mobile Interaction: Automatically Adapting Audio Output to Users
and Contexts on Communication and Media Control Scenarios ....... 384
   Tiago Reis, Luís Carriço, and Carlos Duarte

Interactive Photo Viewing on Ubiquitous Displays .................... 394
   Han-Sol Ryu, Yeo-Jin Yoon, Seon-Min Rhee, and Soo-Mi Choi

Mobile Audio Navigation Interfaces for the Blind .................... 402
   Jaime Sánchez

A Mobile Communication System Designed for the Hearing-Impaired ... 412
   Ji-Won Song and Sung-Ho Yang

A Study on the Icon Feedback Types of Small Touch Screen for the
Elderly ....................................................................... 422
   Wang-Chin Tsai and Chang-Franw Lee

Ubiquitous Accessibility: Building Access Features Directly into the
Network to Allow Anyone, Anywhere Access to Ubiquitous Computing
Environments .................................................................. 432
   Gregg C. Vanderheiden
Using Distributed Processing to Create More Powerful, Flexible and User Matched Accessibility Services

Gregg C. Vanderheiden

Spearcon Performance and Preference for Auditory Menus on a Mobile Phone

Bruce N. Walker and Anya Kogan

Design and Evaluation of Innovative Chord Input for Mobile Phones

Fong-Gong Wu, Chia-Wei Chang, and Chien-Hsu Chen

Part IV: Alternative Interaction Techniques and Devices

The Potential of the BCI for Accessible and Smart e-Learning

Ray Adams, Richard Comley, and Mahbobeh Ghoreyshi

Visualizing Thermal Traces to Reveal Histories of Human-Object Interactions

Tomohiro Amemiya

Interacting with the Environment through Non-invasive Brain-Computer Interfaces

Febo Cincotti, Lucia Rita Quitadamo, Fabio Aloise, Luigi Bianchi, Fabio BabILONI, and Donatella Mattia

Movement and Recovery Analysis of a Mouse-Replacement Interface for Users with Severe Disabilities

Caitlin Connor, Emily Yu, John Magee, Esra Cansizoglu, Samuel Epstein, and Margrit Betke

Sonification System of Maps for Blind – Alternative View

Gintautas Daunys and Vidas Lauruska

Scanning-Based Human-Computer Interaction Using Intentional Muscle Contractions

Torsten Felzer, Rainer Nordmann, and Stephan Rinderknecht

Utilizing an Accelerometric Bracelet for Ubiquitous Gesture-Based Interaction

Albert Hein, André Hoffmeyer, and Thomas Kirste

A Proposal of New Interface Based on Natural Phenomena and So

Ichiro Hirata, Toshiki Yamaoka, Akio Fujiwara, Sachie Yamamoto, Daijiroh Yamaguchi, Mayuko Yoshida, and Rie Tutui

Timing and Accuracy of Individuals with and without Motor Control Disabilities Completing a Touch Screen Task

Curt B. Irwin and Mary E. Sesto
Gaze and Gesture Activity in Communication .......................... 537
Kristiina Jokinen

Augmenting Sticky Notes as an I/O Interface .......................... 547
Pranav Mistry and Pattie Maes

Sonification of Spatial Information: Audio-Tactile Exploration
Strategies by Normal and Blind Subjects ................................ 557
Marta Olivetti Belardinelli, Stefano Federici, Franco Delogu, and
Massimiliano Palmiero

What You Feel Is What You Get: Mapping GUIs on Planar Tactile
Displays ................................................................. 564
Maria Schiewe, Wiebke Köhlmann, Oliver Nadig, and Gerhard Weber

Multitouch Haptic Interaction ........................................... 574
Michael Schmidt and Gerhard Weber

Free-form Sketching with Ball B-Splines ............................... 583
Rongqing Song, Zhongke Wu, Mingquan Zhou, and Xuefeng Ao

BC(eye): Combining Eye-Gaze Input with Brain-Computer
Interaction ............................................................... 593
Roman Vilimek and Thorsten O. Zander

Colorimetric and Photometric Compensation for Optical See-Through
Displays ......................................................................... 603
Christian Weiland, Anne-Kathrin Braun, and Wolfgang Heiden

A Proposal of New Interface Based on Natural Phenomena and so
on (1) .................................................................. 613
Toshiki Yamaoka, Ichiro Hirata, Akio Fujiwara, Sachie Yamamoto,
Daijirou Yamaguchi, Mayuko Yoshida, and Rie Tutui

Part V: Intelligence, Adaptation and Personalisation

Managing Intelligent Services for People with Disabilities and Elderly
People ............................................................................ 623
Julio Abascal, Borja Bonail, Luis Gardeazabal,
Alberto Lafuente, and Zigor Salvador

A Parameter-Based Model for Generating Culturally Adaptive
Nonverbal Behaviors in Embodied Conversational Agents .......... 631
Afia Akhter Lipi, Yukiko Nakano, and Matthias Rehm

Intelligence on the Web and e-Inclusion ................................ 641
Laura Burzagli and Francesco Gabbanini

Accelerated Algorithm for Silhouette Fur Generation Based on GPU . 650
Gang Yang and Xinyuan Huang
An Ortho-Rectification Method for Space-Borne SAR Image with Imaging Equation .................................................. 658
Xufei Gao, Xinyu Chen, and Ping Guo

Robust Active Appearance Model Based Upon Multi-linear Analysis against Illumination Variation ........................................... 667
Gyeong-Sic Jo, Hyeon-Joon Moon, and Yong-Guk Kim

Modeling and Simulation of Human Interaction Based on Mutual Beliefs .............................................................. 674
Taro Kanno, Atsushi Watanabe, and Kazuo Furuta

Development of Open Platform Based Adaptive HCI Concepts for Elderly Users .............................................................. 684
Jan-Paul. Leuteritz, Harald Widlroither, Alexandros Mourouzis, Maria Panou, Margherita Antona, and Asterios Leonidis

User Individual Differences in Intelligent Interaction: Do They Matter? .......................................................... 694
Jelena Nakić and Andrina Granić

Intelligent Interface for Elderly Games ................................................. 704
Changhoon Park

User Interface Adaptation of Web-Based Services on the Semantic Web .......................................................... 711
Nikolaos Partarakis, Constantina Doulgeraki, Asterios Leonidis, Margherita Antona, and Constantine Stephanidis

Measuring Psychophysiological Signals in Every-Day Situations .......... 720
Walter Ritter

Why Here and Now .......................................................... 729
Antonio Rizzo, Elisa Rubegni, and Maurizio Caporali

A Framework for Service Convergence via Device Cooperation .......... 738
Seungchul Shin, Do-Yoon Kim, and Sung-young Yoon

Enhancements to Online Help: Adaptivity and Embodied Conversational Agents .................................................. 748
Jérôme Simonin and Noëlle Carbonell

Adaptive User Interfaces: Benefit or Impediment for Lower-Literacy Users? .................................................. 758
Ivar Solheim

Adaptative User Interfaces to Promote Independent Ageing ............. 766
Cecilia Vera-Muñoz, Mercedes Fernández-Rodríguez, Patricia Abril-Jiménez, María Fernanda Cabrera-Umpiérrez, María Teresa Arredondo, and Sergio Guillén

Author Index ............................................................................. 771