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Human Interface and the Management of Information

Interacting with Information

Symposium on Human Interface 2011
Held as Part of HCI International 2011
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Proceedings, Part II

Volume Editors

Gavriel Salvendy
Purdue University
School of Industrial Engineering
West Lafayette, IN, USA
and
Tsinghua University
Department of Industrial Engineering
Beijing, P.R. China
E-mail: salvendy@purdue.edu

Michael J. Smith
University of Wisconsin-Madison
Department of Industrial and Systems Engineering
Center for Quality and Productivity Improvement
Madison, WI, USA
E-mail: mjsmith@cae.wisc.edu

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Foreword

The 14th International Conference on Human–Computer Interaction, HCI International 2011, was held in Orlando, Florida, USA, July 9–14, 2011, jointly with the Symposium on Human Interface (Japan) 2011, the 9th International Conference on Engineering Psychology and Cognitive Ergonomics, the 6th International Conference on Universal Access in Human–Computer Interaction, the 4th International Conference on Virtual and Mixed Reality, the 4th International Conference on Internationalization, Design and Global Development, the 4th International Conference on Online Communities and Social Computing, the 6th International Conference on Augmented Cognition, the Third International Conference on Digital Human Modeling, the Second International Conference on Human-Centered Design, and the First International Conference on Design, User Experience, and Usability.

A total of 4,039 individuals from academia, research institutes, industry and governmental agencies from 67 countries submitted contributions, and 1,318 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 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 Gavriel Salvendy and Michael J. Smith, contains papers in the thematic area of human interface and the management of information (HIMI), addressing the following major topics:

- Access to information
- Supporting communication
- Supporting work, collaboration, decision-making and business
- Mobile and ubiquitous information
- Information in aviation

The remaining volumes of the HCI International 2011 Proceedings are:

- Volume 1, LNCS 6761, Human–Computer Interaction—Design and Development Approaches (Part I), edited by Julie A. Jacko
- Volume 2, LNCS 6762, Human–Computer Interaction—Interaction Techniques and Environments (Part II), edited by Julie A. Jacko
- Volume 3, LNCS 6763, Human–Computer Interaction—Towards Mobile and Intelligent Interaction Environments (Part III), edited by Julie A. Jacko
- Volume 4, LNCS 6764, Human–Computer Interaction—Users and Applications (Part IV), edited by Julie A. Jacko
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- Volume 6, LNCS 6766, Universal Access in Human–Computer Interaction—Users Diversity (Part II), edited by Constantine Stephanidis
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- Volume 8, LNCS 6768, Universal Access in Human–Computer Interaction—Applications and Services (Part IV), edited by Constantine Stephanidis
- Volume 9, LNCS 6769, Design, User Experience, and Usability—Theory, Methods, Tools and Practice (Part I), edited by Aaron Marcus
- Volume 10, LNCS 6770, Design, User Experience, and Usability—Understanding the User Experience (Part II), edited by Aaron Marcus
- Volume 11, LNCS 6771, Human Interface and the Management of Information—Design and Interaction (Part I), edited by Michael J. Smith and Gavriel Salvendy
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- Volume 21, LNAI 6781, Engineering Psychology and Cognitive Ergonomics, edited by Don Harris
- Volume 22, CCIS 173, HCI International 2011 Posters Proceedings (Part I), edited by Constantine Stephanidis
- Volume 23, CCIS 174, HCI International 2011 Posters Proceedings (Part II), edited by Constantine Stephanidis

I would like to thank the Program Chairs and the members of the Program Boards of all Thematic Areas, listed herein, for their contribution to the highest scientific quality and the overall success of the HCI International 2011 Conference.

In addition to the members of the Program Boards, I also wish to thank the following volunteer external reviewers: Roman Vilimek from Germany, Ramalingam Ponnusamy from India, Si Jung “Jun” Kim from the USA, and Ilia Adami, Iosif Klironomos, Vassilis Kouroumalis, George Margetis, and Stavroula Ntoa from Greece.

This conference would not have been possible without the continuous support and advice of the Conference Scientific Advisor, Gavriel Salvendy, as well as the dedicated work and outstanding efforts of the Communications and Exhibition 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 2011 Conference the members of the Human–Computer Interaction Laboratory of ICS-FORTH, and in particular Margherita Antona, George Paparoulis, Maria Pitsoulaki, Stavroula Ntoa, Maria Bouhli and George Kapnas.

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HCI International 2013

The 15th International Conference on Human–Computer Interaction, HCI International 2013, will be held jointly with the affiliated conferences in the summer of 2013. It will cover a broad spectrum of themes related to human–computer interaction (HCI), 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/>

General Chair
Professor Constantine Stephanidis
University of Crete and ICS-FORTH
Heraklion, Crete, Greece
Email: cs@ics.forth.gr

Table of Contents – Part II

Part I: Access to Information

Developing Optimum Interface Design for On-screen Chinese Proofreading Tasks	3
<i>Alan H.S. Chan, Joey C.Y. So, and Steve N.H. Tsang</i>	
“Life Portal”: An Information Access Scheme Based on Life Logs	11
<i>Shin-ichiro Eitoku, Manabu Motegi, Rika Mochizuki, Takashi Yagi, Shin-yo Muto, and Masanobu Abe</i>	
Proposal of the Kawaii Search System Based on the First Sight of Impression	21
<i>Kyoko Hashiguchi and Katsuhiko Ogawa</i>	
Development of a Tracking Sound Game for Exercise Support of Visually Impaired	31
<i>Yoshikazu Ikegami, Keita Ito, Hironaga Ishii, and Michiko Ohkura</i>	
From Personal to Collaborative Information Management: A Design Science’s Approach	36
<i>Mei Lu and Philip Corriveau</i>	
A Classification Scheme for Characterizing Visual Mining	46
<i>Elaheh Mozaffari and Sudhir Mudur</i>	
Transforming a Standard Lecture into a Hybrid Learning Scenario	55
<i>Hans-Martin Pohl, Jan-Torsten Milde, and Jan Lingelbach</i>	
Designing Web Sites and Interfaces to Optimize Successful User Interactions: Symposium Overview	62
<i>Robert W. Proctor and Kim-Phuong L. Vu</i>	
Petimo: Sharing Experiences through Physically Extended Social Networking	66
<i>Nimesha Ranasinghe, Owen Noel Newton Fernando, and Adrian David Cheok</i>	
Comparison Analysis for Text Data by Using FACT-Graph	75
<i>Ryosuke Saga, Seiko Takamizawa, Kodai Kitami, Hiroshi Tsuji, and Kazunori Matsumoto</i>	
A Comparison between Single and Dual Monitor Productivity and the Effects of Window Management Styles on Performance	84
<i>Alex Stegman, Chen Ling, and Randa Shehab</i>	

Interface Evaluation of Web-Based e-Picture Books in Taiwan	94
<i>Pei-shiuan Tsai and Man-lai You</i>	
A Digital Archive System for Preserving Audio and Visual Space	103
<i>Makoto Uesaka, Yusuke Ikegaya, and Tomohito Yamamoto</i>	
Experience Explorer: Context-Based Browsing of Personal Media	111
<i>Tuomas Vaittinen, Tuula Kärkkäinen, and Kimmo Roimela</i>	

Part II: Supporting Communication

Service Science Method to Create Pictograms Referring to Sign Languages	123
<i>Naotsune Hosono, Hiromitsu Inoue, Hiroyuki Miki, Michio Suzuki, Yuji Nagashima, Yutaka Tomita, and Sakae Yamamoto</i>	
MoPaCo: Pseudo 3D Video Communication System	131
<i>Ryo Ishii, Shiro Ozawa, Takafumi Mukouchi, and Norihiko Matsuura</i>	
Analysis on Relationship between Smiley and Emotional Word Included in Chat Text	141
<i>Junko Itou, Tomoyasu Ogaki, and Jun Munemori</i>	
Designing Peripheral Communication Services for Families Living-Apart: Elderly Persons and Family	147
<i>Yosuke Kinoe and Mihoko Noda</i>	
Visual Feedback to Reduce Influence of Delay on Video Chatting	157
<i>Kazuyoshi Murata, Masatsugu Hattori, and Yu Shibuya</i>	
Research on the Relationships between Visual Entertainment Factor and Chat Communication	165
<i>Tomoyasu Ogaki, Junko Itou, and Jun Munemori</i>	
Multimodal Conversation Scene Analysis for Understanding People's Communicative Behaviors in Face-to-Face Meetings	171
<i>Kazuhiro Otsuka</i>	
A Virtual Audience System for Enhancing Embodied Interaction Based on Conversational Activity	180
<i>Yoshihiro Sejima, Yutaka Ishii, and Tomio Watanabe</i>	
VizKid: A Behavior Capture and Visualization System of Adult-Child Interaction	190
<i>Grace Shin, Taeil Choi, Agata Rozga, and Mario Romero</i>	
Interactive e-Hon as Parent-Child Communication Tool	199
<i>Kaoru Sumi and Mizue Nagata</i>	

SAM: A Spatial Interactive Platform for Studying Family Communication Problem	207
<i>Guo-Jhen Yu, Teng-Wen Chang, and Ying-Chong Wang</i>	

Part III: Supporting Work, Collaboration, Decision-Making and Business

The Effects Visual Feedback on Social Behavior during Decision Making Meetings	219
<i>Merel Brandon, Simon Epskamp, Thomas de Groot, Tim Franssen, Bart van Gennep, and Thomas Visser</i>	
Co-Creation of Value through Social Network Marketing: A Field Experiment Using a Facebook Campaign to Increase Conversion Rate	229
<i>Asle Fagerstrøm and Gheorghita Ghinea</i>	
Towards Argument Representational Tools for Hybrid Argumentation Systems	236
<i>María Paula González, Sebastian Gottifredi, Alejandro J. García, and Guillermo R. Simari</i>	
Development of a Price Promotion Model for Online Store Selection	246
<i>Shintaro Hotta, Syohei Ishizu, and Yoshimitsu Nagai</i>	
Design Effective Voluntary Medical Incident Reporting Systems: A Literature Review	253
<i>Lei Hua and Yang Gong</i>	
Technology-Based Decision-Making Support System	262
<i>Hanmin Jung, Mikyoung Lee, Pyung Kim, and Won-Kyung Sung</i>	
Economic Analysis of SON-Enabled Mobile WiMAX	268
<i>Seungjin Kwack, Jahwan Koo, and Jinwook Chung</i>	
ICT-Enabled Business Process Re-engineering: International Comparison	278
<i>Ya-Ching Lee, Pin-Yu Chu, and Hsien-Lee Tseng</i>	
A Methodology to Develop a Clinical Ontology for Healthcare Business	285
<i>Mario Macedo and Pedro Isaías</i>	
Advances in E-commerce User Interface Design	292
<i>Lawrence J. Najjar</i>	
Information Technology Services Indutry and Job Design	301
<i>Yoshihiko Saitoh</i>	

Dodging Window Interference to Freely Share Any Off-the-Shelf Application among Multiple Users in Co-located Collaboration	305
<i>Shinichiro Sakamoto, Makoto Nakashima, and Tetsuro Ito</i>	
Process in Establishing Communication in Collaborative Creation	315
<i>Mamiko Sakata and Keita Miyamoto</i>	
Real-World User-Centered Design: The Michigan Workforce Background Check System	325
<i>Sarah J. Swierenga, Fuad Abujarad, Toni A. Dennis, and Lori A. Post</i>	
What Kinds of Human Negotiation Skill Can Be Acquired by Changing Negotiation Order of Bargaining Agents?	335
<i>Keiki Takadama, Atsushi Otaki, Keiji Sato, Hiroyasu Matsushima, Masayuki Otani, Yoshihiro Ichikawa, Kiyohiko Hattori, and Hiroyoki Sato</i>	
An Efficient and Scalable Meeting Minutes Generation and Presentation Technique	345
<i>Berk Taner, Can Yildizli, Ahmet Ozcan Nergiz, and Selim Balcisoy</i>	

Part IV: Mobile and Ubiquitous Information

Object and Scene Recognition Using Color Descriptors and Adaptive Color KLT	355
<i>Volkan H. Bagci, Mariofanna Milanova, Roumen Kountchev, Roumiana Kountcheva, and Vladimir Todorov</i>	
What Maps and What Displays for Remote Situation Awareness and ROV Localization?	364
<i>Ryad Chellali and Khelifa Baizid</i>	
Evaluation of Disaster Information Management System Using Tabletop User Interfaces	373
<i>Hidemi Fukada, Kazue Kobayashi, Aki Katsuki, and Naotake Hirasawa</i>	
Relationality-Oriented Systems Design for Emergence, Growth, and Operation of Relationality	381
<i>Takuya Kajio, Manami Watanabe, Ivan Tanev, and Katsunori Shimohara</i>	
Real-Time and Interactive Rendering for Translucent Materials Such as Human Skin	388
<i>Hiroyuki Kubo, Yoshinori Dobashi, and Shigeo Morishima</i>	
Local Communication Media Based on Concept of Media Biotope	396
<i>Hidetsugu Suto and Makiba Sakamoto</i>	

Big Fat Wand: A Laser Projection System for Information Sharing in a Workspace	403
<i>Toru Takahashi and Takao Terano</i>	
Disaster Information Collecting/Providing Service for Local Residents	411
<i>Yuichi Takahashi, Daiji Kobayashi, and Sakae Yamamoto</i>	
Comfortable Design of Task-Related Information Displayed Using Optical See-Through Head-Mounted Display	419
<i>Kazuhiro Tanuma, Tomohiro Sato, Makoto Nomura, and Miwa Nakanishi</i>	
Usability Issues in Introducing Capacitive Interaction into Mobile Navigation	430
<i>Shuang Xu and Keith Bradburn</i>	
Balance Ball Interface for Performing Arts	440
<i>Tomoyuki Yamaguchi, Tsukasa Kobayashi, and Shuji Hashimoto</i>	
Study on Accessibility of Urgent Message Transmission Service in a Disaster	446
<i>Shunichi Yonemura and Kazuo Kamata</i>	

Part V: Information in Aviation

Is ACARS and FANS-1A Just Another Data Link to the Controller?	453
<i>Vernol Battiste, Joel Lachter, Sarah V. Ligda, Jimmy H. Nguyen, L. Paige Bacon, Robert W. Koteskey, and Walter W. Johnson</i>	
Flight Deck Workload and Acceptability of Verbal and Digital Communication Protocols	463
<i>Summer L. Brandt, Joel Lachter, Arik-Quang V. Dao, Vernol Battiste, and Walter W. Johnson</i>	
Conflict Resolution Automation and Pilot Situation Awareness	473
<i>Arik-Quang V. Dao, Summer L. Brandt, L. Paige Bacon, Joshua M. Kraut, Jimmy Nguyen, Katsumi Minakata, Hamzah Raza, and Walter W. Johnson</i>	
Effect of ATC Training with NextGen Tools and Online Situation Awareness and Workload Probes on Operator Performance	483
<i>Ariana Kiken, R. Conrad Rorie, L. Paige Bacon, Sabrina Billinghamurst, Joshua M. Kraut, Thomas Z. Strybel, Kim-Phuong L. Vu, and Vernol Battiste</i>	

Effects of Data Communications Failure on Air Traffic Controller Sector Management Effectiveness, Situation Awareness, and Workload	493
<i>Joshua M. Kraut, Ariana Kiken, Sabrina Billinghamurst, Corey A. Morgan, Thomas Z. Strybel, Dan Chiappe, and Kim-Phuong L. Vu</i>	
Pilot Information Presentation on the Flight Deck: An Application of Synthetic Speech and Visual Digital Displays	500
<i>Nickolas D. Macchiarella, Jason P. Kring, Michael S. Coman, Tom Haritos, and Zoubair Entezari</i>	
How Data Comm Methods and Multi-dimensional Traffic Displays Influence Pilot Workload under Trajectory Based Operations	507
<i>Jimmy H. Nguyen, L. Paige Bacon, R. Conrad Rorie, Meghann Herron, Kim-Phuong L. Vu, Thomas Z. Strybel, and Vernol Battiste</i>	
Macroergonomics in Air Traffic Control – The Approach of a New System	516
<i>Luiza Helena Boueri Rebello</i>	
A Preliminary Investigation of Training Order for Introducing NextGen Tools	526
<i>R. Conrad Rorie, Ariana Kiken, Corey Morgan, Sabrina Billinghamurst, Gregory Morales, Kevin Monk, Kim-Phuong L. Vu, Thomas Strybel, and Vernol Battiste</i>	
Author Index	535

Table of Contents – Part I

Part I: Design and Development Methods and Tools

Visual Programming of Location-Based Services	3
<i>Antonio Bottaro, Enrico Marino, Franco Milicchio, Alberto Paoluzzi, Maurizio Rosina, and Federico Spini</i>	
Connecting Envisioning Process to User Interface Design Process	13
<i>Naotake Hirasawa, Shinya Ogata, and Kiko Yamada-Kawai</i>	
Learner-Centered Methodology for Designing and Developing Multimedia Simulation for Biology Education	20
<i>Chi-Cheng Lin, Mark Bergland, and Karen Klyczek</i>	
User Interface and Information Management of Scenarios	30
<i>Robert Louden, Matt Fontaine, Glenn A. Martin, Jason Daly, and Sae Schatz</i>	
Giving UI Developers the Power of UI Design Patterns	40
<i>Jocelyn Richard, Jean-Marc Robert, Sébastien Malo, and Joël Migneault</i>	
The Cultural Integration of Knowledge Management into Interactive Design	48
<i>Javed Anjum Sheikh, Bob Fields, and Elke Duncker</i>	
Supporting of Requirements Elicitation for Ensuring Services of Information Systems Used for Education	58
<i>Yuki Terawaki</i>	
Visualizing Programs on Different Levels of Abstractions	66
<i>Jo-Han Wu and Jan Stelovsky</i>	
Measurement and Evaluation in Service Engineering	76
<i>Sakae Yamamoto, Miki Hiroyuki, and Hirohiko Mori</i>	
A Human Interface Toolkit for Developing Operation Support System of Complex Industrial Systems with IVI-COM Technology	82
<i>Yangping Zhou, Yujie Dong, Xiaojing Huang, and Hidekazu Yoshikawa</i>	

Part II: Information and User Interfaces Design

A Conceptual Model of the Axiomatic Usability Evaluation Method	93
<i>Yinni Guo, Robert W. Proctor, and Gavriel Salvendy</i>	

Study on Evaluation of Kawaii Colors Using Visual Analog Scale	103
<i>Tsuyoshi Komatsu and Michiko Ohkura</i>	
Representation of Decision Making Process in Music Composition Based on Hypernetwork Model	109
<i>Tetsuya Maeshiro, Shin-ichi Nakayama, and Midori Maeshiro</i>	
Some Issues toward Creating Human-Centric Services	118
<i>Hirohiko Mori</i>	
A User-Centric Metadata Creation Tool for Preserving the Nation's Ecological Data	122
<i>Fatma Nasoz, Renee C. Bryce, Craig J. Palmer, and David J. Rugg</i>	
Comparison between Mathematical Complexity and Human Feeling . . .	132
<i>Masashi Okubo, Akiya Togo, and Shogo Takahashi</i>	
How Do Real or Virtual Agent's Body and Instructions Contribute to Task Achievement?	142
<i>Yugo Takeuchi and Hisashi Naito</i>	
Interaction Mediate Agent Based on User Interruptibility Estimation . .	152
<i>Takahiro Tanaka and Kinya Fujita</i>	
Ontological Approach to Aesthetic Feelings: A Multilingual Case of <i>Cutism</i>	161
<i>Akifumi Tokosumi and Fumina Teng</i>	
Constructing Phylogenetic Trees Based on Intra-group Analysis of Human Mitochondrial DNA	165
<i>Ivan Vogel, František Zedek, and Pavel Očenášek</i>	
A Qualitative Study of Similarity Measures in Event-Based Data	170
<i>Katerina Vrotsou and Camilla Forsell</i>	
Feasibility Study of Predictive Human Performance Modeling Technique in Field Activities	180
<i>Naomi Yano, Toshiyuki Asahi, Shin'ichi Fukuzumi, and Bonnie E. John</i>	
Surprise Generator for Virtual KANSEI Based on Human Surprise Characteristics	190
<i>Masaki Zenkoyoh and Ken Tomiyama</i>	

Part III: Visualisation Techniques and Applications

Explicit Modeling and Visualization of Imperfect Information in the Context of Decision Support for Tsunami Early Warning in Indonesia	201
<i>Monika Friedemann, Ulrich Raape, Sven Tessmann, Thorsten Schoeckel, and Christian Strobl</i>	
Kansei Stroll Map: Walking around a City Using Visualized Impressions of Streetscapes	211
<i>Yuichiro Kinoshita, Satoshi Tsukanaka, and Takumi Nakama</i>	
Multivariate Data Visualization: A Review from the Perception Aspect	221
<i>Yan Liu</i>	
Methods for Service Sciences from Visualization Points	231
<i>Hiroyuki Miki, Naotsune Hosono, and Sakae Yamamoto</i>	
Interacting with Semantics: A User-Centered Visualization Adaptation Based on Semantics Data	239
<i>Kawa Nazemi, Matthias Breyer, Jeanette Forster, Dirk Burkhardt, and Arjan Kuijper</i>	
Riding the Technology Wave: Effective Dashboard Data Visualization	249
<i>Lisa Pappas and Lisa Whitman</i>	
Peer-to-Peer File Sharing Communication Detection Using Spherical SOM Visualization for Network Management	259
<i>Satoshi Togawa, Kazuhide Kanenishi, and Yoneo Yano</i>	
Visualizing Stakeholder Concerns with Anchored Map	268
<i>Takanori Ugai</i>	
VICPAM: A Visualization Tool for Examining Interaction Data in Multiple Display Environments	278
<i>Roshanak Zilouchian Moghaddam and Brian Bailey</i>	

Part IV: Security and Privacy

Privacy Concern in Ubiquitous Society and Research on Consumer Behavior	291
<i>Yumi Asahi</i>	
Modelling Social Cognitive Theory to Explain Software Piracy Intention	301
<i>Ameetha Garbharran and Andrew Thatcher</i>	

A Practical Analysis of Smartphone Security	311
<i>Woongryul Jeon, Jeeyeon Kim, and Youngsook Lee</i>	
Cryptanalysis to a Remote User Authentication Scheme Using Smart Cards for Multi-server Environment	321
<i>Youngsook Lee, Jeeyeon Kim, and Dongho Won</i>	
Exploring Informational Privacy Perceptions in the Context of Online Social Networks: A Phenomenology Perspective	330
<i>Emma Nuraihan Mior Ibrahim</i>	
Server-Aided Password-Authenticated Key Exchange: From 3-Party to Group	339
<i>Junghyun Nam, Juryon Paik, Jeeyeon Kim, Youngsook Lee, and Dongho Won</i>	
Does Privacy Information Influence Users' Online Purchasing Behavior?	349
<i>Jimmy H. Nguyen and Kim-Phuong L. Vu</i>	
Analysis of Authentication Protocols with Scyter: Case Study	359
<i>Očenášek Pavel</i>	
Routing Functionality in the Logic Approach for Authentication Protocol Design	366
<i>Ocenasek Pavel and Hranac Jakub</i>	
An Approach for Security Protocol Design Based on Zero-Knowledge Primitives Composition	374
<i>Očenášek Pavel</i>	

Part V: Touch and Gesture Interfaces

Effects of Joint Acceleration on Rod's Length Perception by Dynamic Touch	381
<i>Takafumi Asao, Yuta Kumazaki, and Kentaro Kotani</i>	
ERACLE: Electromyography System for Gesture Interaction	391
<i>Paolo Belluco, Monica Bordegoni, and Umberto Cugini</i>	
Development of Tactile and Haptic Systems for U.S. Infantry Navigation and Communication	399
<i>Linda R. Elliott, Elmar T. Schmeisser, and Elizabeth S. Redden</i>	
Utilization of Shadow Media - Supporting Co-creation of Bodily Expression Activity in a Group	408
<i>Koji Iida, Shiroh Itai, Hiroko Nishi, and Yoshiyuki Miwa</i>	

Virtual Interaction between Human and Fabric	418
<i>Shigeru Inui, Akihiro Yoneyama, and Yosuke Horiba</i>	
Hand Gesture-Based Manipulation of a Personalized Avatar Robot in Remote Communication	425
<i>Teruaki Ito</i>	
Vector Keyboard for Android Platform-Based Devices	435
<i>Martin Klima and Pavel Slavik</i>	
Study on Haptic Interaction with Digital Map on Mobile Device	443
<i>Daiji Kobayashi, Yoshitaka Asami, and Sakae Yamamoto</i>	
Characteristics of Information Transmission Rates Using Noncontact Tactile Display	450
<i>Kentaro Kotani, Masayoshi Hayashi, Nobuki Kido, and Takafumi Asao</i>	
Multimodal Threat Cueing in Simulated Combat Vehicle with Tactile Information Switching between Threat and Waypoint Indication	454
<i>Patrik Lif, Per-Anders Oskarsson, Björn Lindahl, Johan Hedström, and Jonathan Svensson</i>	
Design of Vibration Alert Interface Based on Tactile Adaptation Model to Vibration Stimulation	462
<i>Yuki Mori, Takayuki Tanaka, and Shun'ichi Kaneko</i>	
Applicability of Touch Sense Controllers Using Warm and Cold Sensations	470
<i>Miwa Nakanishi and Sakae Yamamoto</i>	
Information Processing for Constructing Tactile Perception of Motion: A MEG Study	478
<i>Ayumi Nasu, Kentaro Kotani, Takafumi Asao, and Seiji Nakagawa</i>	
A Study on Selection Ability in the 3D Space by the Finger	488
<i>Makoto Oka, Yutaro Ooba, Hidetaka Kuriwa, Ryuta Yamada, and Hirohiko Mori</i>	
Characteristics of Comfortable Sheet Switches on Control Panels of Electrical Appliances: Comparison Using Older and Younger Users	498
<i>Yasuhiro Tanaka, Yuka Yamazaki, Masahiko Sakata, and Miwa Nakanishi</i>	
Support for Generation of Sympathetic Embodied Awareness: Measurement of Hand Contact Improvisation under Load Fluctuation Stress	508
<i>Takabumi Watanabe, Yoshiyuki Miwa, Go Naito, Norikazu Matsushima, and Hiroko Nishi</i>	

Part VI: Adaptation and Personalisation

Different People Different Styles: Impact of Personality Style in Web Sites Credibility Judgement	521
<i>Rahayu Ahmad, Jieyu Wang, Karoly Hercegi, and Anita Komlodi</i>	
A Comprehensive Reference Model for Personalized Recommender Systems	528
<i>Matthias Breyer, Kawa Nazemi, Christian Stab, Dirk Burkhardt, and Arjan Kuijper</i>	
Dynamic Interface Reconfiguration Based on Different Ontological Relations	538
<i>Elisa Chiabrando, Roberto Furnari, Pierluigi Grillo, Silvia Likavec, and Ilaria Lombardi</i>	
Analysis of Content Filtering Software	548
<i>Woongryul Jeon, Youngsook Lee, and Dongho Won</i>	
A Smart Movie Recommendation System	558
<i>Sang-Ki Ko, Sang-Min Choi, Hae-Sung Eom, Jeong-Won Cha, Hyunchul Cho, Laehyum Kim, and Yo-Sub Han</i>	
Interactive Personalization of Ambient Assisted Living Environments ...	567
<i>Alexander Marinc, Carsten Stockl�w, Anreas Braun, Carsten Limberger, Cristian Hofmann, and Arjan Kuijper</i>	
Development of a System for Proactive Information Service	577
<i>Myon-Woong Park, Soo-Hong Lee, Young-Tae Sohn, Jae Kwan Kim, Ilju Bae, and Jae-Kwon Lim</i>	
My Personal User Interface: A Semantic User-Centric Approach to Manage and Share User Information	585
<i>Till Plumbaum, Katja Schulz, Martin Kurze, and Sahin Albayrak</i>	

Part VII: Measuring and Recognising Human Behaviour

Effect of Menstrual Distress on Task Performance	597
<i>Keiko Kasamatsu, Mi Kyong Park, and Seiko Taki</i>	
A Study of Attention Control by Using Eye Communication with an Anthropomorphic Agent	603
<i>Tatsuya Mita, Ryo Wada, Noriaki Kuwahara, and Kazunari Morimoto</i>	
Auditory Feature Parameters for Music Based on Human Auditory Processes	612
<i>Masashi Murakami and Toshikazu Kato</i>	

Construction of a Model for Discriminating between Electroencephalographic Patterns at the Time of Incorrect Inputs Based on Sensitivity Spectrum Analysis	618
<i>Raita Otori, Daiki Shinkai, Yoshimitsu Nagai, and Syohei Ishizu</i>	
Basic Study of Analysis of Human Brain Activities during Car Driving	627
<i>Noboru Takahashi, Shunji Shimizu, Yukihiro Hirata, Hiroyuki Nara, Hiroaki Inoue, Nobuhide Hirai, Senichiro Kikuchi, Eiju Watanabe, and Satoshi Kato</i>	
Bereitschaftspotential Modeling by DBNM and Its Application to BCI	636
<i>Shino Takata, Toshimasa Yamazaki, Maiko Sakamoto, Takahiro Yamanoi, and Kenichi Kamijo</i>	
Emotional Human-Machine Interaction: Cues from Facial Expressions	641
<i>Tessa-Karina Tews, Michael Oehl, Felix W. Siebert, Rainer Höger, and Helmut Faasch</i>	
Development of an Eye-Tracking Pen Display for Analyzing Embodied Interaction	651
<i>Michiya Yamamoto, Hiroshi Sato, Keisuke Yoshida, Takashi Nagamatsu, and Tomio Watanabe</i>	
Care Giving System Based on Consciousness Recognition	659
<i>Noriko Yokoyama, Tomoyuki Yamaguchi, and Shuji Hashimoto</i>	
Author Index	669