

# 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, Mikiyoung 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>Hidetsuan Suto and Makiha 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>	
<b>Author Index .....</b>	<b>535</b>