

Table of Contents

Reflections on Participatory Design Practices in Public Sector IT Project Management <i>Klaudia Carcani and Selda Gorovelli</i>	1
Making Technology Matter for Processes of Co-Creation and Innovation in Cross-Sectorial Collaborations <i>Fahd Bin Malek Newaz, Joakim Karlsen, and Jo Herstad</i>	9
Participatory Design Fictions: Supporting Ethical Awareness in the Digitalisation of Smart Cities' Critical Infrastructure <i>Joakim Karlsen, Klaudia Carcani, and Susanne Koch Stigberg</i>	17
Unveiling the Potential of Digital Fabrication in Arts & Crafts Education: A Future Workshop Approach for Technology-Enhanced Teaching <i>Susanne Stigberg and Nils-Christian Walthinsen Rabben</i>	24
Exploring Medical Practitioners Abilities to Use Visual Programming to Code Scenarios for Virtual Simulations <i>Bjorn Arild Lunde and Joakim Karlsen</i>	28
Finding Common Ground: Design Cards Supporting Mutual Learning in Co-design <i>Tina Helene Bunaes, Michelle Husebye, and Joakim Karlsen</i>	34
A Tool for Generating Ambiguous Objects in Two Viewing Directions <i>Ken Nakaguchi, Koichi Matsuda, and Oky Dicky Ardiansyah Prima</i>	45
Toward an Automated Pruning for Apple Trees Based on Computer Vision Techniques <i>Keming Hu and Oky Dicky Ardiansyah Prima</i>	50
Improvement of the Feeling of Self-Affirmation by Using a Self-Reframing Diary System <i>Kanayo Ogura and Rie Kimura</i>	55
Design of Information-Sharing Media Based on Observation of Reading and Writing Behavior on Message Boards within Large Organizations <i>Kanayo Ogura and Ryotaro Hoshi</i>	60
How Can Intelligent Persona Features Support Online Advertising Work? <i>Ilkka Kaate, Joni Salminen, Soon-gyo Jung, Rami Olkkonen, and Bernard J. Jansen</i>	65
Virtual Reality Environment for Presenting Al-Qatt Al-Asiri Saudi Art <i>Abeer S. Al-Humaimedy, Alhanof S. Alolyan, Areej Al-Wabil, Khalid W. Alzamil, and Ghada AL-Hudhud</i>	68
Rethinking Usability Heuristics for Modern Biomedical Interfaces <i>Stefan Rohrl, Christian Janotte, Christian Klenk, Dominik Heim, Manuel Lengl, Alice Hein, Martin Knopp, Oliver</i>	77

An Experimental Study on Providing User Control in E-Commerce Recommendation through Conversational System <i>Seth Owirodu, Yuchuan Lin, Sheng Tan, and Zhou Tong</i>	85
A Trial of Prevention of Physical and Social Frailty for Older People via Chatting Bot Installation on Moving Stall <i>Yoko Nishihara, Junjie Shan, and Yihong Han</i>	93
A Study on Circular-coil Characteristics for Displaying Non-contact Tactile Sensation based on Magnetic Field. <i>Hyung-Sik Kim, Kyu-Beom Kim, Ji-Su Kim, and Soon-Cheol Chung</i>	95
Marcus: A Chatbot for Depression Screening Based on the PHQ-9 Assessment <i>Patrick Toulme, Jude Nanaw, and Panagiotis Apostolellis</i>	97
Effects of Saliency of an Agent's Input Information on Estimation of Mental States toward the Agent <i>Yuki Ninomiya, Asaya Shimojo, Shota Matsubayashi, Hitoshi Terai, and Kazuhisa Miwa</i>	106
Distinct Characteristics Between "Anshin" and Feeling of Safety Evaluations <i>Shota Matsubayashi, Kazuhisa Miwa, Hitoshi Terai, and Yuki Ninomiya</i>	110
e2Logos: A Novel Software for Evaluating Online Student Project Reports <i>Panagiotis Apostolellis, Philip Hart, and Ketian Tu</i>	114
Reassessing the Effect of Videoconferencing Features on Trust in Triadic Negotiations <i>Siavash Kazemian, Cosmin Munteanu, and Gerald Penn</i>	124
A User-centred Design and Feasibility Analysis of the WiGlove - A Home-based Rehabilitation Device for Hand and Wrist Therapy after Stroke <i>Vignesh Velmurugan, Luke Jai Wood, and Farshid Amirabdollahian</i>	134
Involving Users in the Development of AI-Supported CAM Systems by Co-Creation Methods <i>Nina Russkamp, Lorena Niebuhr, and Eva-Maria Jakobs</i>	140
Using Language Model for Implementation of Emotional Text-To-Speech <i>Mingguang Cao and Jie Zhu</i>	146
Introduction and Evaluation of an Alternative Training Approach as Indicator of Performance Improvement in Martial Arts with the help of Kinematic Motion Analysis Using Motion Capture <i>Leonie Laskowitz and Nicholas Muller</i>	152
RHM: Robot House Multi-view Human Activity Recognition Dataset <i>Mohammad Hossein Bamorovat Abadi, Mohamad Reza Shahabian Alashti, Patrick Holthaus, Catherine Menon,</i>	159

<i>and Farshid Amirabdollahian</i>	
Analysis of EEG Microstates During Execution of a Nine Hole Peg Test <i>Shadiya Alingal Meethal, Volker Steuber, and Farshid Amirabdollahian</i>	167
Usability of An Immersive Authoring Tool: An Experimental Study for the Scenarization of Interactive Panoramic Videos <i>Daniel Xuan Hien Mai, Guillaume Loup, and Jean-Yves Didier</i>	174
RHM-HAR-SK: A Multiview Dataset with Skeleton Data for Ambient Assisted Living Research <i>Mohamad Reza Shahabian Alashti, Mohammad Hossein Bamorovat Abadi, Patrick Holthaus, Catherine Menon, and Farshid Amirabdollahian</i>	181
Lightweight Human Activity Recognition for Ambient Assisted Living <i>Mohamad Reza Shahabian Alashti, Mohammad Hossein Bamorovat Abadi, Patrick Holthaus, Catherine Menon, and Farshid Amirabdollahian</i>	188
User Perceptions and Attitudes in the Data Economy and their Contradictions <i>Uwe Riss, Edith Maier, Michael Doerk, and Ute Klotz</i>	194
Comparing the Effect of Different Styles of Voice on Children's Engagement with a Virtual Robot: A Preliminary Study <i>Romain Vallee, Lucas Pregaldiny, Veronique Auberge, Emilie Cenac, Serge Tisseron, and Olivier Aycard</i>	202
Validating Usability Heuristics for Augmented Reality Applications for Elderly Users <i>Anna Nishchik, Norun Christine Sanderson, and Weiqin Chen</i>	207
The Role of a Human Host Onboard of Urban Autonomous Passenger Ferries <i>Leander Pantelatos, Mina Saghafian, Ole Andreas Alsos, Asun Lera St.Clair, and Oyvind Smogeli</i>	213
Deep Learning for Condition Detection in Chest Radiographs: A Performance Comparison of Different Radiograph Views and Handling of Uncertain Labels <i>Mubashir Ahmad, Kheng Lee Koay, Yi Sun, Vijay Jayaram, Ganesh Arunachalam, and Farshid Amirabdollahian</i>	222
Protecting User Privacy in Online Settings via Supervised Learning <i>Alexandru Ruscescu, Brooke Lampe, and Weizhi Meng</i>	228
How Should We Define Voice Naturalness <i>Sajad Shirali-Shahreza</i>	235