Contents

Methodologies

Human Work Interaction Design: An Overview .......................... 3
Frederica Gonçalves, Pedro Campos, and Torkil Clemmensen

Reflections on Design-Based Research: In Online Educational
and Competence Development Projects ................................. 20
Rikke Ørngreen

Insights from User Experience Research in the Factory: What to Consider
in Interaction Design .......................................................... 39
Daniela Wurhofer, Verena Fuchsberger, Thomas Meneweger,
Christiane Moser, and Manfred Tscheligi

User-Created Personas – A Micro-cultural Lens into Informal Settlement’s
Youth Life ................................................................. 57
Daniel G. Cabrero, Heike Winschiers-Theophilus,
and Hedvig Mendonca

Environment

Pervasive Technologies for Smart Workplaces: A Workplace
Efficiency Solution for Office Design and Building Management
from an Occupier’s Perspective ............................................ 73
Maria Ianeva, Stéphanie Faure, Jennifer Theveniot, François Ribeyron,
Cormac Crossan, Gilles Cordon, and Claude Gartiser

From Bottom-up Insights to Feature Ideas: A Case Study into the Office
Environments of Older Knowledge Workers .......................... 83
Valentin Gattol, Jan Bobeth, Kathrin Röderer, Sebastian Egger,
Georg Regal, Ulrich Lehner, and Manfred Tscheligi

Characterizing the Context of Use in Mobile Work ................... 97
Heli Väätäjä

From Transactions to Relationships: Making Sense of User-Centered
Perspectives in Large Technology-Intensive Companies .............. 114
Petra Björndal, Elina Eriksson, and Henrik Artman
Specific Contexts

Human Work Interaction Design of the Smart University ............................ 127
José Abdelnour-Nocera, Samia Oussena, and Catherine Burns

Contextual Personas as a Method for Understanding Digital Work Environments ........................................ 141
Åsa Cajander, Marta Larusdottir, Elina Eriksson, and Gerolf Nauwerck

The Work and Workplace Analysis in an Elderly Centre for Agility Improvement ........................................ 153
Arminda Guerra Lopes

A Multi-Perspective View on Human-Automation Interactions in Aviation .................................................. 168
Monica Samantha Quercioli and Paola Amaldi

Designing a Demonstrator Virtual Learning Environment to Teach the Threshold Concept of Space Syntax: Seeing from the User’s Perspective .................................................. 180
Judith Molka-Danielsen, Mikhail Fominykh, David Swapp, and Anthony Steed

Participatory Action Design Research in Archaeological Context ............................................................... 192
Barbara Rita Barricelli, Stefano Valtolina, Davide Gadia, Matilde Marzullo, Claudia Piazzì, and Andrea Garzulino

Contextual Design of Intelligent Food Carrier in Refrigerator: An Indian Perspective .................................. 212
Pritam Kale, Ganesh Bhutkar, Virendra Pawar, and Nikhil Jathar

Author Index ........................................................................ 227
Human Work Interaction Design: Analysis and Interaction Design Methods for Pervasive and Smart Workplaces
Abdelnour Nocera, J.; Baricelli, B.R.; Lopes, A.; Campos, P.; Clemmensen, T. (Eds.)
2015, VIII, 227 p. 51 illus. in color., Hardcover
ISBN: 978-3-319-27047-0