

Contents

Introduction by the Editors	1
Leonardo Caporarello, Fabrizio Cesaroni, Raphael Giesecke and Michele Missikoff	
Part I Innovative ICT Enablers in Use on Organisational Level	
Empowering IT Organizations’ Capabilities of Emerging Technology Integration Through User Participation in Innovations Based on IT	11
Nabil Georges Badr	
How and for What Purposes Global Food Brands Use Online Contests: Entertainment or Innovation?	35
Silvia Massa and Stefania Testa	
Future Internet: Cloud-Based Open Business Models	51
Fabrizio Cesaroni, Tindara Abbate and Massimo Villari	
Potential Benefits of the Deep Web for SMEs	63
Andreea-Roxanna Obreja, Penny Hart and Peter Bednar	
Part II Specific ICT Enablers in Use for Innovation	
New Design Techniques for New Users: An Action Research-Based Approach	83
Tania Di Mascio and Laura Tarantino	
Context and Action: A Unitary Vision Within a Logic-Based Multi-agent Environment	97
Stefania Costantini, Giovanni De Gasperis, Giulio Nazzicone and Laura Tarantino	

From <i>Care for Design</i> to <i>Becoming Matters</i>: New Perspectives for the Development of Socio-technical Systems	113
Federico Cabitza and Angela Locoro	
Redefining the Mutual Positions of the Social and Technical Sides of Socio-Technical Systems	129
Giorgio De Michelis	
Co-production Through ICT in the Public Sector: When Citizens Reframe the Production of Public Services.	141
Andrea Paletti	
3-D Printing in the Spare Parts Supply Chain: An Explorative Study in the Automotive Industry	153
Marco Savastano, Carlo Amendola, Fabrizio D'Ascenzo and Enrico Massaroni	
4D Printing: An Emerging Technology in Manufacturing?	171
Alessandra Ghi and Francesca Rossetti	
Part III Implementing Innovative ICT Enablers	
How to Manage the Application Portfolio Over Time: A Qualitative Analysis	181
Roberto Candiotto, Silvia Gandini and Giulia Palmarini	
Marks & Spencer's RFID Initiative: Laying the Foundation for Omnichannel Retailing	193
Rebecca Angeles	
M-Health and Self Care Management in Chronic Diseases—Territorial Intelligence Can Make the Difference	207
Monica Sebillo, Maurizio Tucci, Genny Tortora, Giuliana Vitiello and Athula Ginige	
Enforcing Software Developers' Productivity by Using Knowledge and Experience.	221
Pasquale Ardimento, Maria Teresa Baldassarre, Nicola Boffoli, Danilo Caivano, Michele Scalera and Giuseppe Visaggio	
Digital Services for New Model of Sustainable Mobility	235
Giuliana Vinci and Martina Musarra	
Part IV Innovating Novel ICT Solutions	
Towards a Design Pattern Language to Assist the Design of Alarm Visualizations for Operating Control Systems	249
Rosa Romero-Gómez and Paloma Díaz	

A Generic, Multimodal Framework for Sensorial Feedback on Android Systems 265
Rosario Sensale, Francesco Cutugno and Antonio Origlia

Modeling Replication and Erasure Coding in Large Scale Distributed Storage Systems Based on CEPH. 273
Daniele Manini, Marco Gribaudo and Mauro Iacono

Power Consumption Analysis of Replicated Virtual Applications in Heterogeneous Architectures 285
Gianfranco Ciardo, Marco Gribaudo, Mauro Iacono, Andrew Miner and Pietro Piazzolla

An Agent-Based Platform for Resource Configuration and Monitoring of Cloud Applications. 299
Rocco Aversa, Luca Tasquier and Davide Fusco

Author Index 311



<http://www.springer.com/978-3-319-40264-2>

Digitally Supported Innovation

A Multi-Disciplinary View on Enterprise, Public Sector
and User Innovation

Caporarello, L.; Cesaroni, F.; Giesecke, R.; Missikoff, M.
(Eds.)

2016, VII, 312 p. 70 illus., Softcover

ISBN: 978-3-319-40264-2