

## Table of Contents

Mobile Service Business Models for Cities: A Framework Bridging Public and Business Model Design Parameters <i>Nils Walravens</i>	1
Mobile Value Chain and Services - The Case of Mobile Donations for Charities <i>Seyed Mohammad Adeli, Silvia Elaluf Calderwood, Claus Oskar Heintzeler, Javier Huerta, and Caroline Legler</i>	8
A Privacy Preserving Range Extension for Commercial WLANs With User Incentives <i>Johannes Barnickel and Ulrike Meyer</i>	18
Sensing Learner Access to the Knowledge Spatially Embedded in the World <i>Masaya Okada and Masahiro Tada</i>	27
Multiscreen-Based Gaming Services Using Multi-View Rendering With Different Resolutions <i>Sung-Soo Kim and Chunglae Cho</i>	34
Examining User Intention Behaviour Towards e-Readers in Japan Using the Decomposed Theory of Planned Behaviour <i>Qazi Mahdia Ghyas, Hirotaka Sugiura, and Fumiyo N. Kondo</i>	38
Towards Enhanced Location-Based Services Through Real-Time Analysis and Mobility Patterns Acquisition <i>Javier Rubio-Loyola, Cesar Torres-Huitzil, and Ramon Aguero</i>	46
Speech Quality Assessment in Mobile Phones Using a Reduced- Complexity Algorithm <i>Akram Aburas, Khalid Al-Mashouq, and Musharraf Maqbool</i>	51
Management of Mobile Objects in an Airport Environment <i>Gabriel Pestana, Augusto Casaca, Pedro Reis, Sebastian Heuchler, and Joachim Metter</i>	55
A Novel Framework for Personalized and Context-Aware Indoor Navigation Systems <i>Attila Torok and Tamas Helfenbein</i>	60
A Smarter Collaborative Mobile Learning Solution <i>Rui Neves Madeira</i>	64
Optimized Flow Management Using Linear Programming in Future Wireless Networks <i>Umar Toseef, Andreas Timm-Giel, and Camelita Gorg</i>	69
Methods and Issues in Detecting Pedestrian Flows on a Mobile Adhoc Network <i>Ryo Nishide and Hideyuki Takada</i>	76

On Demonstrating Spectrum Selection Functionality for Opportunistic Networks <i>Alessandro Raschella, Anna Umbert, Jordi Perez-Romero, and Oriol Sallent</i>	80
Mobile Applications for Independent Living of Isolated Elderly <i>Taxiarchis Tsaprounis, Katerina Toulidou, Konstantinos Kalogirou, Konstantinos Agnantis, and Evangelos Bekiaris</i>	86
User Experience Evaluation in the Creation and Use of Graphical Passwords for Authentication in Mobile Devices <i>Claudia de Andrade Tambascia, Ewerton Martins Menezes, Alexandre Melo Braga, and Flavia de Melo Negrao</i>	94
Socio-Technical Study of Teleworking: From the Analysis of Employees' Uses to the Design of a Virtualized and Unified Platform <i>Valerie Fernandez and Laurie Marraud</i>	101
User Acceptance and Usage Continuance of Interactivity Enabling Technologies <i>Elisabeth Pergler and Verena Skedel</i>	105
Channel Matched Space-Time Code Selection and Adaptive Modulation <i>Said El-Khamy, Amr El-Helw, and Sara El-Zaalik</i>	111
Implications of Using a Large Initial Congestion Window to Improve mSCTP Handover Delay <i>Johan Eklund, Karl-Johan Grinnemo, and Anna Brunstrom</i>	116
Reconfiguration of Legacy Software Artifacts on Resource Constraint Smart Cards <i>Daniel Baldin, Stefan Groesbrink, and Simon Oberthuer</i>	122
On-Road Wireless Sensor Networks for Traffic Surveillance <i>JaeJun Yoo, DoHyun Kim, KyoungHo Kim, and JongHyun Park</i>	131
Interference-Aware Supermodular Game for Power Control in Cognitive Radio Networks <i>Sonia Fourati, Soumaya Hamouda, Sami Tabbane, and Miquel Payaro</i>	136
Wireless Communications Enabling Smart Mobility: Results From the Project PEGASUS <i>Alessandro Bazzi, Barbara M. Masini, Gianni Pasolini, and Oreste Andrisano</i>	141
VVID: A Delay Tolerant Data Dissemination Architecture for VANETs Using V2V and V2I Communication <i>Koosha Paridel, Josip Balen, Yolande Berbers, and Goran Martinovic</i>	151