

Contents

Design of a Novel Adaptive Indoor Air Quality Control for Co-learning Smart House.	1
<i>Markus Johansson, Keijo Haataja, Mikko Kolehmainen, and Pekka Toivanen</i>	
A Design-Led, Materials Based Approach to Human Centered Applications Using Modified Dielectric Electroactive Polymer Sensors.	11
<i>Anne Toomey, Raymond Oliver, Niamh O'Connor, and Patrick Stevenson-Keating</i>	
How to Ruin Sensor Network Performance Using Duplicate Suppression. . . .	20
<i>Reinhardt Karnapke, Stefan Lohs, and Jörg Nolte</i>	
A Open Hardware Wireless Sensor Monitoring System for Human Wellbeing Research in Ambient Assisted Living.	30
<i>Sebastian D. Bersch, Djamel Azzi, Rinat Khusainov, and Ifeyinwa E. Achumba</i>	
Artificial Immune System - A New Approach for the Long-Term Data Monitoring in Ambient Assisted Living	41
<i>Sebastian D. Bersch, Djamel Azzi, and Rinat Khusainov</i>	
A Secure Authentication and Key Management Scheme for Wireless Sensor Networks.	51
<i>Sarmadullah Khan and Rafiullah Khan</i>	
HUMsim: A Privacy-Oriented Human Mobility Simulator	61
<i>Francesco Giurlanda, Pericle Perazzo, and Gianluca Dini</i>	
Mobile Health Applications: A Comparative Analysis and a Novel Mobile Health Platform	71
<i>Antti Väänänen, Keijo Haataja, Mikko Asikainen, Iiro Jantunen, and Pekka Toivanen</i>	
Overview of Mobile Sensing for Special Needs: Lessons Learned from I Can Workshop	82
<i>Eiman Kanjo</i>	
A User-Centric Approach to Building Experience Platforms for Capturing Lifestyle and Wellbeing Information	93
<i>Dana Pavel and Dirk Trossen</i>	

From Silos to the IoT via oneM2M, a Standardized M2M Service Platform . . . 106
Alan Carlton, Rafael Cepeda, and David Trousdale

Decentralising Internet of Things Aware BPMN Business Processes 110
Dulce Domingos, Francisco Martins, and Lara Caiola

Author Index 121

Sensor Systems and Software

5th International Conference, S-CUBE 2014, Coventry,

UK, October 6-7, 2014, Revised Selected Papers

Kanjo, E.; Trossen, D. (Eds.)

2015, X, 121 p. 48 illus., Softcover

ISBN: 978-3-319-17135-7