

Table of Contents

Private Data Protection in Ubiquitous Computing <i>Malika Yaici, Samia Ameza, Ryma Houari, and Sabrina Hammachi</i>	1
Browser-to-Browser Authentication and Trust Relationships for WebRTC <i>Ibrahim Tariq Javed, Khalifa Toumi, and Noel Crespi</i>	9
Towards Trusted Operated Services in the Internet of Things <i>Pascal Urien</i>	16
Memguard, Memory Bandwidth Management in Mixed Criticality Virtualized Systems - Memguard KVM Scheduling <i>Nicolas Dagieu, Alexander Spyridakis, and Daniel Raho</i>	21
Intelligent Wearables <i>Alexiei Dingli and Luca Bondin</i>	28
An Application and Hardware for Repetition Images in Special Effects Shooting <i>Myoungbeom Chung</i>	36
A modification of Wu and Palmer Semantic Similarity Measure <i>Djamel Guessoum, Moeiz Miraoui, and Chakib Tadj</i>	42
Energy Saving in a Smart Waiting Room Using Context-aware Services Adaptation <i>Moeiz Miraoui and Manel Guizani</i>	47
Machine Learning Technologies in Smart Spaces <i>Soumia Belaidouni and Moeiz Miraoui</i>	52
Toward SoC/SoPC Architecture in Low Power Consumption for Wireless Sensor Networks <i>Manel Elleuchi, Wassim Jmal, Abdulfateh Abdulfattah M. Obeid., Mohammed S. Ben Saleh, and Mohamed Abid</i>	56
Design of Multiple Clouds based Virtual Desktop Infrastructure Architecture for Service Mobility <i>Dongjae Kang, Sunwook Kim, and Youngwoo Jung</i>	61
Verifying Scenarios of Proximity-based Federations among Smart Objects through Model Checking <i>Reona Minoda, Yuzuru Tanaka, and Shin-ichi Minato</i>	65
Network Layer Dependability Benchmarking: Route identification <i>Maroua Belkneni, M.Taha Bennani, Samir Ben Ahmed, and Ali Ben Ahmed</i>	72

Towards Security Solutions in IoT Sensor Network and Middleware <i>Cicero Woshington Saraiva Leite, Fabio Lucas Faleiro Naves, Leonardo Lourenco Lacerda, Cicero Samuel Clemente Rodrigues, and Geiziany Mendes da Silva</i>	78
Primary Access Procedures in M2M Networks <i>Abdullah Balci and Radosveta Sokullu</i>	84
Problems in Adopting Middlewares for IoT : A Survey <i>Marcos Gregorio, Roberto Santos, Cleber Barros, and Geiziany Silva</i>	90
A Review of User Interface Description Languages for Mobile Applications <i>Nikola Mitrovic, Carlos Bobed, and Eduardo Mena</i>	96
A Motivational Study regarding IoT and Middleware for Health Systems <i>Andre Pedroza dos Santos, Dalfreda Welkener Soares Lima, Fhelipe Silva Freitas, and Geiziany Mendes da Silva</i>	102
Vehicular Ad Hoc Networks: A Focused Survey - Advances and Current Issues <i>Priscila Copeland Palmeira and Marcos Pereira dos Santos</i>	107
R2TCA: New Tool for Developing Reconfigurable Real-Time Context-Aware Framework -Application to Baggage Handling Systems- <i>Soumoud Fkaier, Mohamed Romdhani, Mohamed Khalgui, and Georg Frey</i>	113
Wireframe Mockups to ConcurTaskTrees <i>Miroslav Sili, Christopher Mayer, and Daniel Pahr</i>	120
Stochastic Models of Traffic Flow Balancing and Management of Urban Transport Networks <i>Sergey Lesko, Dmitrii Zhukov, and Anton Alyoshkin</i>	126
New Reconfigurable Middleware for Adaptive RTOS in Ubiquitous Devices <i>Aymen Gammoudi, Adel Benzina, Mohamed Khalgui, and Daniel Chillet</i>	131
Comparing IoT Platforms under Middleware Requirements in an IoT Perspective <i>Thiago Gregorio, Artur Oliveira, Daniel Melo, and Geiziany Silva</i>	138
ZiZo: A Complete Tool Chain for the Modeling and Verification of Reconfigurable Function Blocks <i>Safa Guellouz, Adel Benzina, Mohamed Khalgui, and Georg Frey</i>	144
Service and Workflow Engineering based on Semantic Web Technologies <i>Volkan Gezer and Simon Bergweiler</i>	152
CloudFlow - An Infrastructure for Engineering Workflows in the Cloud <i>Havard Heitlo Holm, Jon M. Hjelmervik, and Volkan Gezer</i>	158

Intelligent Agent-Based Approach for Real-Time Reconfiguration of Cloud Application <i>Walid Bouzayen, Hamza Gharsellaoui, and Mohamed Khalgui</i>	166
Role of Mobile OS and LBS Platform in Design of e-Tourism Smart Services <i>Ekaterina Balandina, Sergey Balandin, Yevgeni Koucheryavy, and Mark Zaslavskiy</i>	172
An Experimental Study of Personalized Mobile Assistance Service in Healthcare Emergency Situations <i>Alexander Borodin, Nikolay Lebedev, Andrew Vasilyev, Yulia Zavyalova, and Dmitry Korzun</i>	178
Personalizing the Internet of Things Using Mobile Information Services <i>Dmitry Korzun and Sergey Balandin</i>	184
Performance Evaluation Suite for Semantic Publish-Subscribe Message-oriented Middlewares <i>Fabio Viola, Alfredo D'Elia, Luca Roffia, and Tullio Salmon Cinotti</i>	190
Supporting Environmental Analysis and Requalification of Taranto Sea: an Integrated ICT Platform <i>Floriano Scioscia, Agnese Pinto, Filippo Gramegna, Giovanna Capurso, Danilo De Filippis, Raffaello Perez de Vera, and Eugenio Di Sciascio</i>	197
An Ontology-Based Affective Computing Approach for Passenger Safety Engagement on Cruise Ships <i>Annarita Cinquepalmi and Umberto Straccia</i>	203
From the Physical Web to the Physical Semantic Web: Knowledge Discovery in the Internet of Things <i>Michele Ruta, Saverio Ieva, Giuseppe Loseto, and Eugenio Di Sciascio</i>	209