

Table of Contents

Dummy-Based Anonymization for Voice-Controlled IoT Devices <i>Katrin Winkler and Erik Buchmann</i>	1
On the Effectiveness of Blockchain Against Cryptocurrency Attacks <i>Sarwar Sayeed and Hector Marco-Gisbert</i>	9
Slicedup: A Tenant-Aware Memory Deduplication for Cloud Computing <i>Fernando Vano-García and Hector Marco-Gisbert</i>	15
Wireless Multihop Networks with Network Coding Communication Using Collision Detection of Control Messages <i>Yusuke Aoi and Hiroaki Higaki</i>	21
User-centric IoT: Challenges and Perspectives <i>Wafa Abdelghani, Corinne Amel Zayani, Ikram Amous, and Florence Sedes</i>	27
SPACE: An Empirical Approach Towards a User-Centric Smart Campus <i>Prathyusha Thammineni, Vipul Jindal, Saurabh Gangwar, Anand Konjengbam, and Kotaro Kataoka</i>	35
Towards Modular and Adaptive Assistance Systems for Manual Assembly: A Semantic Description and Interoperability Framework <i>Amrita Singh, Fabian Quint, Patrick Bertram, and Martin Ruskowski</i>	42
M-learning as a Motivational Method for Adult Basic and Professional Education <i>Claysslan Ferreira Xavier, George Mendes Teixeira Santos, Selmon Franco Mascarenhas, Mauro Henrique Lima de Boni, and Adelino Rodrigues Soares</i>	48
Increasing Throughput and Efficiency of LoRaWAN Class A <i>Roman Trub and Lothar Thiele</i>	54
Countermeasure to Human Recognition Error for Agent-based Human Tracking System <i>Masaru Shiozuka, Tappei Yotsumoto, Kenichi Takahashi, Masashi Nishiyama, Takao Kawamura, and Kazunori Sugahara</i>	65
Application of Machine Learning Techniques to Situational Risk Assessment Based on Accident Database <i>Ryuta Watanabe, Keisuke Yamazaki, and Tsuyoshi Nakajima</i>	71
Wearable Spirometry: Using Integrated Environment Sensor for Breath Measurement <i>Alejandro Baucells Costa, Bo Zhou, Orkhan Amiraslanov, and Paul Lukowicz</i>	75
Searching for Temporal Dependencies in the Privacy Concerns of Location-Based Service Users	82

An Efficient Self-Organizing Node Deployment Algorithm for Mobile Sensor Networks <i>Mahsa Sadeghi Ghahroudi, Alireza Shahrabi, and Tuleen Boutaleb</i>	89
Vessel Profile Indicators using Fuzzy Logic Reasoning and AIS <i>Konstantinos Chatzikokolakis, Dimitrios Zissis, and Giannis Spiliopoulos</i>	95
Graph Theory and NoSQL Database Applied to School Scheduling Problem <i>Jocivan Suassone Alves, Luidne da Silva Mota, and Carlos Henrique Correa Tolentino</i>	101
A Solution for Mobility Protocols Evaluation <i>Thierry Silva Pereira</i>	106
ConstruNET - A Collaborative Tool to Provide Offers of Construction Supplies <i>Andre Praca de Almeida Pinheiro, Jeverson de Sousa Barbosa Lima, Mardenn Robledo Rodrigues Coelho, and Rafael Pereira Trancoso Borges</i>	111
The Use of E-portfolio as Collaborative Tool for a Creative Economy <i>Arich Andrade Rocha, Irlley Jose A. C. Branco, Jonh Leno Fernandes, and Mauro Henrique L. de Boni</i>	116
Gas-TO - a Case Study in Project-based Learning <i>Jose Itamar M. de Souza Junior, Diego Ferreira de Miranda, and Yuri Antonio S. de Souza</i>	120
The Use of Augmented Reality as a Tool in Human Anatomy Classes <i>Michalany Turibio Gloria and Fabricio Souza Nunes</i>	125
?FitoQuilombo - An App for the Cultural Maintenance of Medicinal Plants in Quilombola Communities <i>Gezivaldo Araujo Dias, Jose Valter Amaral de Freitas, Lucas Nunes Rodrigues, Sheyla Cristina de Castro, and Walena de Almeida Marcal Magalhaes</i>	131
Augmented Reality as a Technological Solution in the Teaching/Learning Process in Civil Engineering Course Classes: a Case Study <i>David Araujo and Luiz Philipe</i>	137