# Table of Contents

Enabling Ubiquitous Workplace Through Virtualization Technology  
*Carlos Oliveira*  

Towards Autonomous Load Balancing for Mobile Data Stream Processing and Communication Middleware Based on Data Distribution Service  
*Rafael Vasconcelos, Markus Endler, Berto Gomes, and Francisco Silva*  

QoS-Aware Component for Cloud Computing  
*Ines Ayadi, Noemie Simoni, and Gladys Diaz*  

Autonomous Systems: from Requirements to Modeling and Implementation  
*Nikola Serbedžija*  

Comparison Between Self-Stabilizing Clustering Algorithms in Message-Passing Model  
*Mandicou Ba, Olivier Flauzac, Rafik Makhloufi, Florent Nolot, and Ibrahima Niang*  

Goal Processing and Semantic Matchmaking in Opportunistic Activity and Context Recognition Systems  
*Gerold Hoelzl, Marc Kurz, and Alois Ferscha*  

Smart Bin for Incompatible Waste Items  
*Arnab Sinha and Paul Couderc*  

Middleware Supporting Net-Ready Applications for Enhancing Situational Awareness on Rotorcraft  
*Gustavo L. B. Baptista, Markus Endler, Jose Viterbo, Thomas A. DuBois, and Randall L. Johnson*  

A Methodology for Evaluating Complex Interactions between Multiple Autonomic Managers  
*Thaddeus Eze, Richard Anthony, Chris Walshaw, and Alan Soper*  

Organic Programming of Real-Time Operating Systems  
*Lial Khaluf and Franz Josef Rammig*  

Higher Order Sliding Mode Control of Robot Manipulator  
*Awatif Guendouzi, Ahcene Boubakir, and Mustapha Hamerlain*  

Numerical Model of Generalized Multi-Priority Queuing System  
*Eimutis Valakevicius and Mindaugas Snipas*  

HiSPADA: Self-Organising Hierarchies for Large-Scale Multi-Agent Systems  
*Jan-Philipp Steghofer, Pascal Behrmann, Gerrit Anders, Florian Siefert, and Wolfgang Reif*
Methodology of Training and Support for Urban Search and Rescue With Robots
Janusz Bedkowski, Karol Majek, Igor Ostrowski, Pawel Musialik, Andrzej Maslowski, Artur Adamek, Antonio Coelho, and Geert De Cubber

Development of Ontology Based Framework for Information Security Standards
Partha Saha, Ambuj Mahanti, Binay Bhushan Chakraborty, and Avinash Navlani

Autonomic Diffusive Load Balancing on Many-core Architecture using Simulated Annealing
Hyunjik Song and Kiyoung Choi

Autonomic Ontologies for Governamental Knowledge Base
Stainam Nogueira Brandao, Sergio Assis Rodrigues, Tiago Silva, Luis Araujo, and Jano Moreira de Souza