## **Table of Contents**

A Design of Full-Rate Distributed Space-Time-Frequency Codes with Randomized Cyclic Delay Diversity Hong-yu Fang, Meng-lin Bao, Lei Xu, and Xiao-hui Li	1
EEMC-MAC: An Energy Efficient Protocol for Multi-Channel Wireless Networks Thiago Neves and Jacir Bordim	6
Distance Estimation of Smart Device using Bluetooth Joonyoung Jung, Dongoh Kang, and Changseok Bae	13
Verification of Microwave Air-Bridging for Sky-Net Chin E, Lin and Ying-Chi Huang	19
A New Design of Dual Band Fractal Antenna for LEO Applications Lahcene Hadj Abderrahmane and Ali Brahimi	27
Coexistence of Earth Station of the Fixed-Satellite Service with the Terrestrial Fixed Wireless System in 8 GHz Band Jong-Min Park, Nam-Ho Jeong, Dae-Sub Oh, and Bon-Jun Ku	32
A Novel Unambiguous BOC Acquisition Scheme for Global Navigation Satellite Systems Youngseok Lee and Seokho Yoon	36
A Novel Cognitive Engine Based on Genetic Algorithm Keunhong Chae, Youngseok Lee, and Seokho Yoon	42
Multiuser Coded FDM-CPM Systems with MIMO Transmission Piotr Remlein, Mateusz Jasinski, and Alberto Perotti	46
Wavelet Based Alternative Modulation Scheme Provides Better Reception with Fewer Errors and Good Security in Wireless Communication Ramachandran Hariprakash, Raju Balaji, Sabapathy Ananthi, and Krishnaswami Padmanabhan	50
Towards a Dynamic QoS Management Solution for Mobile Networks based on GNU/Linux Systems Gorka Urquiola, Asier Perallos, Itziar Salaberria, and Roberto Carballedo	58
Analysis of PLC Channels in Aircraft Environment and Optimization of some OFDM Parameters Thomas Larhzaoui, Fabienne Nouvel, Jean-Yves Baudais, Virginie Degardin, and Pierre Laly	65
Privacy-aware Nomadic Service For Personalized IPTV Amira Bradai, Emad Abd-Elrahman, and Hossam Afifi	70

Toward a Global File Popularity Estimation in Unstructured P2P Networks Seddiki Manel and Benchaiba Mahfoud	77
Exploiting Semantic Indexing Images for Emergence Recommendation Semantics System Damien E Zomahoun, Pelagie Y Houngue, and Kokou Yetongnon	82
Performance Analysis of the Opus Codec in VoIP Environment Using QoE Evaluation Peter Orosz, Tamas Skopko, Zoltan Nagy, and Tamas Lukovics	89
Multi-threaded Packet Timestamping for End-to-End QoS Evaluation Peter Orosz and Tamas Skopko	94
Performance Analysis of Network Subsystem on Virtual Desktop Infrastructure System utilizing SR-IOV NIC Soo-Cheol Oh and SeongWoon Kim	100
Improving Reliability of Inter-connected Networks through Connecting Structure Yuka Takeshita, Shin'ichi Arakawa, and Masayuki Murata	106
Toward Reliability Guarantee VC Services in an Advance Reservation based Network Resource Provisioning System Huhnkuk Lim and Youngho Lee	112
Delay-Energy Tradeoff in Mobile Cloud Computing: An Experimental Approach Abderrahmen Mtibaa, Roberto Beraldi, Khalil Massri, and Hussein Alnuweiri	121
3D On-chip Data Center Networks Using Circuit Switches and Packet Switches Takahide Ikeda, Yuichi Ohsita, and Masayuki Murata	125
Architecture for Platform- and Hardware-independent Mesh Networks Sebastian Damm, Michael Rahier, Thomas Ritz, and Thomas Schafer	131
Performance Evaluation on OpenGIS Consortium for Sensor Web Enablement Services Thiago Tavares, Regina Santana, Marcos Santana, and Julio Estrella	135
Commercialized Practical Network Service Applications from the Integration of Network Distribution and High- Speed Cipher Technologies in Cloud Environments Kazuo Ichihara, Naoko Nojima, Yoichiro Ueno, Shuichi Suzuki, and Noriharu Miyaho	141
Identity Management Approach for Software as a Service Georgiana Mateescu and Marius Vladescu	148
OTIP: One Time IP Address Renzo Davoli	154

A Privacy-Enhanced User-Centric Identity and Access Management Based on Notary Hendri Nogueira, Rick Lopes de Souza, and Ricardo Felipe Custodio	159
Resilient Delay Sensitive Load Management in Environment Crisis Messaging Systems Ran Tao, Stefan Poslad, and John Bigham	165