

Table of Contents

Practical Performance Measurements and Analysis of IEEE 802.16 Networks <i>Jarmo Siltanen, Kari Luostarinen, and Timo Hamalainen</i>	1
Performance Evaluation for DSRC Vehicular Safety Communication: A Semi-Markov Process Approach <i>Xiaoyan Yin, Xiaomin Ma, and Kishor Trivedi</i>	9
A Resource Management Strategy to Support VoIP across Ad hoc IEEE 802.11 Networks <i>Janusz Romanik, Piotr Gajewski, and Jacek Jarmakiewicz</i>	15
QoS signaling for service delivery in NGN/NGS context <i>Noemie Simoni, Yijun Wu, and Chunyang Yin</i>	22
Impact of Bit-Flip Combinations on Successive Soft Input Decoding of Reed Solomon Codes <i>Obaid ur-Rehman and Natasa Zivic</i>	30
Vulnerability of MRD-Code-Based Universal Secure Error-Correcting Network Codes under Time-Varying Jamming Links <i>Jun Kurihara and Tomohiko Uyematsu</i>	35
An Enhanced Distance Measuring Scheme for DS-UWB Radar Systems <i>Youngpo Lee, Junhwan Kim, Dahae Chong, and Seokho Yoon</i>	40
A Robust Periodogram-Based IFO Estimation Scheme for OFDM-Based Wireless Systems <i>Seung Goo Kang, Dahae Chong, Youngyoon Lee, and Seokho Yoon</i>	43
Testing Triple Play Services over Open Source IMS Solution for Various Radio Access Networks <i>Haris Luckin and Mirko Skrbic</i>	47
Novel Load Balancing Scheduling Algorithms for Wireless Sensor Networks <i>Endre Laszlo, Kalman Tornai, Gergely Treplan, and Janos Levendovszky</i>	54
The Impact of Control Information Prioritization on QoS Performance Metrics <i>Jasmina Barakovic, Sabina Barakovic, and Himzo Bajric</i>	60
Quality of Services Assurance for Multimedia Flows based on Content-Aware Networking <i>Eugen Borcoci, Mihai Stanciu, Dragos Niculescu, and George Xilouris</i>	66
Estimation of Quality of Experience in 3G Networks with the Mahalanobis Distance <i>Karel De Vogeleer, Selim Ickin, Markus Fiedler, David Erman, and Adrian Popescu</i>	72

Implementation of a Media Aware Network Element for Content Aware Networks <i>Dragos Niculescu, Mihai Stanciu, Marius Vochin, Eugen Borcoci, and Nikolaos Zotos</i>	78
FTAM: A Fuzzy Traffic Adaptation Model for Wireless Mesh Networks <i>Ali El Masri, Lyes Khoukhi, and Dominique Gaiti</i>	84
Measuring The Satisfaction Degree Of Quality Attributes Requirements For Services Orchestrations <i>Nabil Fakhfakh, Herve Verjus, Frederic Pourraz, and Patrice Moreaux</i>	89
A TDMA-based MAC Protocol for Wireless Mesh Networks using Directional Antennas <i>Ali El Masri, Lyes Khoukhi, and Dominique Gaiti</i>	95
On the analysis of packet scheduling in downlink 3GPP LTE system <i>Oana Iosif and Ion Banica</i>	99
Accelerating Cryptographic Protocols: A Review of Theory and Technologies <i>Antti Hakkala and Seppo Virtanen</i>	103
Performance of Probabilistic Broadcasting of Dynamic Source Routing Protocol <i>Muneer Bani Yassein, Sultan Al-Rushdan, Wail Mardini, and Yaser Khamayseh</i>	110
Sensitivity analysis of availability of redundancy in computer networks <i>Rubens Matos Junior, Almir Guimaraes, Kadna Camboim, Paulo Maciel, and Kishor Trivedi</i>	115
The Method of Mission Reliability Allocation for Complex System Based on Simulation <i>Guangyan Zhao, Tong Qin, Yufeng Sun, and Weiwei Hu</i>	122
Simulation and Characterization of WLAN Indoor Channels at 60 GHz <i>Iskandar Iskandar and Dwi Harinitha</i>	128
A comparison of Receiver Strategies in STBC MIMO Systems in a Challenging Environment <i>Krzysztof Kosmowski and Jozef Pawelec</i>	133