

Table of Contents

Airborne Surveillance Networks with Directional Antennas <i>William Huba and Nirmala Shenoy</i>	1
Merging Parallel Swarms for BitTorrent Performance Improving and Localization <i>Yang Wang, Jessie Hui Wang, Donghong Qin, and Jiahai Yang</i>	8
A Framework for Classifying IPFIX Flow Data, Case KNN Classifier <i>Jussi Nieminen, Jorma Ylinen, Timo Seppala, Teemu Alapaholuoma, and Pekka Loula</i>	14
A Formal Data Flow-Oriented Model For Distributed Network Security Conflicts Detection <i>Hicham El Khoury, Romain Laborde, Francois Barrere, Maroun Chamoun, and Abdelmalek Benzekri</i>	20
Mobile Ad hoc Networks for Ground Surveillance <i>Mathew McGee and Nirmala Shenoy</i>	28
Resilience Issues for Application Workflows on Clouds <i>Toan Nguyen and Jean-Antoine Desideri</i>	35
A Routing Method for Cooperative Forwarding in Multiple Wireless Sensor Networks <i>Junko Nagata, Kazuhiko Kinoshita, Yosuke Tanigawa, Hideki Tode, and Koso Murakami</i>	43
Virtual Environment for Next Generation Sequencing Analysis <i>Olivier Terzo, Lorenzo Mossucca, Andrea Acquaviva, Francesco Abate, and Rosalba Provenzano</i>	47
A Meshed Tree Algorithm For Loop Avoidance In Switched Networks <i>Nirmala Shenoy</i>	52
Node Repositioning Method based on Topology Information in IEEE 802.16j Relay Networks <i>Takafumi Shigefuji, Go Hasegawa, Yoshiaki Taniguchi, and Hirotaka Nakano</i>	57
Evaluation of IEEE 802.16j Relay Network Performance Considering Obstruction of Radio Wave Propagation by Obstacles <i>Yuuki Ise, Go Hasegawa, Yoshiaki Taniguchi, and Hirotaka Nakano</i>	63
Distribution of the Frequency of Connections in Academic WLAN Networks <i>Enrica Zola and Francisco Barcelo-Arroyo</i>	69
Power Consumption Analysis of Data Transmission in IEEE 802.11 Multi-hop Networks <i>Wataru Toorisaka, Go Hasegawa, and Masayuki Murata</i>	75

Improving Quality of Service in Wireless Multimedia Communication with Smooth TCP <i>Michael Bauer and Md. Ashfaqul Islam</i>	81
A Novel Probabilistic Deadline Scheduling Mechanism for DCCP <i>Daniel Wilson, Mike Dixon, and Terry Koziniec</i>	87
IQMESH, Technology for Wireless Mesh Networks: Implementation Case Studies <i>Vladimir Sulc, Radek Kuchta, and Radimir Vrba</i>	97
Automated Audio-visual Dialogs over Internet to Assist Dependant People <i>Thierry Simonnet, Gerard Chollet, Daniel Caon, and Jerome Boudy</i>	105
Automatic Conversion from CCM to HCM in State Transition Model <i>Tadashi Ohta and Akira Takura</i>	111
From UML to SRN: A Performability Modeling Framework Considering Service Components Deployment <i>Razib Hayat Khan, Fumio Machida, Poul E. Heegaard, and Kishor S. Trivedi</i>	118
Content-based Clustering in Flooding-based Routing: The case of Decentralized Control Systems <i>Soroush Afkhami Meybodi, Jan Bendtsen, and Jens Dalsgaard Nielsen</i>	128
Utilizing a Risk-Driven Operational Security Assurance Methodology and Measurement Architecture - Experiences from a Case Study <i>Reijo Savola, Teemu Kanstren, Heimo Pentikainen, Petri Jurmu, Mauri Myllyaho, and Kimmo Hatonen</i>	134
Impact of Gaming during Channel Zapping on Quality of Experience <i>Robert Kooij and Michiel Geijer</i>	143
Improving Perceived Fairness and QoE for Adaptive Video Streams <i>Bjorn J. Villa and Poul E. Heegaard</i>	149
A Relay-assisted Handover Pre-authentication Protocol in the LTE Advanced Network <i>Ling Tie and Di He</i>	159
A Flow Label Based QoS Scheme for End-to-End Mobile Services <i>Tao Zheng, Lan Wang, and Daqing Gu</i>	169
Impacts of IPv6 on Robust Header Compression in LTE Mobile Networks <i>Daniel Philip Venmani, Marion Duprez, Houmed Ibrahim, Yvon Gourhant, and Marie-Laure Boucheret</i>	175
Summaries of Lecture Recordings Used As Learning Material in Blended Learning <i>Sari Mettinen and Anna-Liisa Karjalainen</i>	181

