

Table of Contents

Automated Dynamic Topology Configuration: An Innovative Approach to Online Rack Renting <i>Vimukthi S. M. W. T. Mudiyansele and Rashmi Dravid</i>	1
Cisco Academy Support Center and Distance Education Course <i>Khondkar Islam and Louis D'Alessandro</i>	8
Technical Points in the Implementation of the Support System for Operation and Management of DACS System <i>Kazuya Odagiri, Shogo Shimizu, and Naohiro Ishii</i>	16
Infrastructure Optimization in a Transmission Network <i>Mary Luz Mouronte Lopez</i>	22
Virtual Network Topologies Adaptive to Large Traffic Changes by Reconfiguring a Small Number of Paths <i>Masahiro Yoshinari, Yuichi Ohsita, and Masayuki Murata</i>	28
Comparison of Contemporary Solutions for High Speed Data Transport on WAN 10 Gbit/s Connections <i>Dmitry Kachan, Eduard Siemens, and Vyacheslav Shuvalov</i>	34
Performance of Cloud-based P2P Game Architecture <i>Victor Clincy and Brandon Wilgor</i>	44
Improving the Quality of Life of Dependent and Disabled People Through Home Automation and Tele-assistance <i>Carlos Rivas Costa, Miguel Gomez Carballa, Luis Eulogio Anido Rifon, Sonia Valladares Rodriguez, and Manuel Jose Fernandez Iglesias</i>	47
Customized and Geolocated TV Channels about The Way of Saint James <i>Sonia Valladares Rodriguez, Manuel Jose Fernandez Iglesias, Roberto Soto Barreiros, Luis Eulogio Anido Rifon, and Carlos Rivas Costa</i>	53
User and Device Adaptable Service Managing Mechanism in Ubiquitous Computing Environment <i>Jung-Sik Sung, Jong-Uk Lee, and Jaedoo Huh</i>	59
Automated Audio-visual Dialogs over Internet to Assist Dependant People <i>Thierry Simonnet and Samuel Ben Hamou</i>	63
Tiered Interior Gateway Routing Protocol <i>Yoshihiro Nozaki, Parth Bakshi, and Normala Shenoy</i>	68
A Reconfiguration Trial on the Platform of Allied Information for Wireless Converged Networks <i>Jie Zeng, Xin Su, Yuan You, Lili Liu, and Xibin Xu</i>	76

Optimization of Overlay QoS Constrained Routing and Mapping Algorithm for Virtual Content Aware networks <i>Radu Dinel Miruta and Eugen Borcoci</i>	81
Electric-Vehicle-based Ad Hoc Networking and Surveillance for Disaster Recovery-Proposal of Three-Dimensional Mobile Surveillance Using Electric Helicopters <i>Kenichi Mase and Takuya Saito</i>	87
Resilience of a Network Service System: Its Definition and Measurement <i>Junwei Wang, Kazuo Furuta, and Wenjun Zhang</i>	95
Survey on Survivable Virtual Network Embedding Problem and Solutions <i>Sandra Herker, Ashiq Khan, and Xueli An</i>	99
The Impact Of Extra Traffic On The Control Channel Over The Performance Of CCA Applications <i>Iallen Gabio de Sousa Santos, Felipe Eduardo N. Mazullo, and Andre Castelo Branco Soares</i>	105
Different Scenarios of Concatenation at Aggregate Scheduling of Multiple Nodes <i>Ulrich Klehmet and Kai-Steffen Hielscher</i>	111
Full Dedicated Optical Path Protection in the WDM Mesh Networks without Wavelength Conversion <i>Stefanos Mylonakis</i>	117
Security Attack based on Control Packet Vulnerability in Cooperative Wireless Networks <i>Ki Hong Kim</i>	123
Codebook Subsampling and Rearrangement Method for Large Scale MIMO Systems <i>Tianxiao Zhang, Xin Su, Jie Zeng, Limin Xiao, Xibin Xu, and Jingyu Li</i>	129
A Power-Aware Real-Time Routing Mechanism for Wireless Sensor Networks <i>Mohamed Aissani, Sofiane Bouznad, Badis Djamaa, and Ibrahim Tsabet</i>	134
Mobility-based Greedy Forwarding Mechanism for Wireless Sensor Networks <i>Riad Kouah, Mohamed Aissani, and Samira Moussaoui</i>	140
Evaluation of Data Center Network Structures Considering Routing Methods <i>Yuta Shimotsuma, Yuya Tarutani, Yuichi Ohsita, and Masayuki Murata</i>	146
Economically Efficient Interdomain Overlay Network Based on ISP Alliance <i>Xun Shao, Go Hasegawa, Yoshiaki Taniguchi, and Hirotaka Nakano</i>	153
Evaluation of Reliable Multicast Implementations with Proposed Adaptation for Delivery of Big Data in Wide Area Networks <i>Aleksandr Bakharev and Eduard Siemens</i>	160

Optimizing Multicast Content Delivery over Novel Mobile Networks <i>Tien-Thanh Nguyen and Christian Bonnet</i>	165
Wireless Sensor Actor Networks For Industry Control <i>Yoshihiro Nozaki, Nirmala Shenoy, and Qian Li</i>	172
An Analysis of Impact of IPv6 on QoS in LTE Networks <i>Tao Zheng and Daqing Gu</i>	179
Smart Network Selection and Packet Loss Improvement During Handover in Heterogeneous Environment <i>Ahmad Rahil, Nader Mbarek, and Olivier Togni</i>	185
A High-precision Time Handling Library <i>Irina Fedotova, Eduard Siemens, and Hao Hu</i>	193
Optimization of Server Locations in Server Migration Service <i>Yukinobu Fukushima, Tutomu Murase, Tokumi Yokohira, and Tatsuya Suda</i>	200
SecDEv: Secure Distance Evaluation in Wireless Networks <i>Gianluca Dini, Francesco Giurlanda, and Pericle Perazzo</i>	207
A Hybrid Model for Network Traffic Identification Based on Association Rules and Self-Organizing Maps (SOM) <i>Zuleika Nascimento, Djamel Sadok, and Stenio Fernandes</i>	213