Journal of Advances in Computer Networks

CONTENTS

Volume 3, Number 4, December 2015

- **Communication and Information System**

Retransmission Mechanism for Partially Reliable Transport Protocols Based on Multimedia Applications Transmission 255
Ching-Neng Lai and Yen-Hung Chen

Performance Analysis of DWMT Transceiver for ADSL Channel with Overlap FDE in Presence of AWGN, Crosstalk and Impulse Noise……..…..…….……...262
Arsla Khan, Sobia Baig, and Soo Y. Shin

Design and Implementation of H.264 Video Transmission Network Simulation…….....268
Weimin Lei, Hao Zheng, and Wei Zhang

Contribution-Enabled Congestion-Aware Scheme for P2P Real-Time Multimedia Streaming Systems……...274
Cheng-Yun Ho, Ming-Hsiang Huang, and Chien-Chao Tseng

Advantages of Copper Backhauling for G.Fast Nodes ……..…..…..…..…..…..…280
Frank Phillipson and Rob F. M. van den Brink

A Comparison between Two All-Terminal Reliability Algorithms…….……..……..284
Willem Pino, Teresa Gomes, and Robert Kooij

The Analysis and Comparison of Energy Efficiency Based on Downlink Massive MIMO System…….…….....291
Zhenzhen Gao, Junxuan Wang, and Yi Li

TXOP Combinatorial Problem in IEEE 802.11e HCCA Networks……..……..295
Ming-Hua Cheng, Cheng-Han Lin, Wen-Shyang Hwang, and Feng-Cheng Yu

Teaching Computer Networks: Theory and Problem Solving…….……...299
Atila Bostan

- **Network Security and Technology**

Secure Network Coding against Content Pollution Attacks in Named Data Network……..…...….303
Tao Feng, Xiaomei Ma, Xian Guo, and Jing Wang

Optimizing Rule on Open Source Firewall Using Content and PCRE Combination…….....….308
Gandeva Bayu Satrya and Soo Young Shin

A Guideline to Develop National Cybersecurity Framework and Strategy…….…..…….…....315
Settapong Malisuwan

Finding the Weakest Link in the Interdependent Security Chain Using the Analytic Hierarchy Process.....320
Chongxia Pan, Weijun Zhong, and Shue Mei

- **Wireless Sensor Network**

Mobile Sink Scheduling Method for Wireless Sensor Networks under Travel Time Uncertainty…….....326

Murat Karakaya

Multimedia Communication in Wireless Sensor Networks — A Review Paper…….....330
Qazi Emad-ul-Haq, Hatim Aboalsamh, Wadood Abdul, Muhammad Hussain, and Sanaa Ghouzali

A Novel Sensor Selection Scheme for Energy Efficient Environment Monitoring of Wireless Sensor Networks
…….……335
Mohammad A. Alwadi and Girija Chetty