

Journal of Advances in Computer Networks

CONTENTS

Volume 6, Number 1, June 2018

• Communication Theory and Information Security

- An Improved Group Key Agreement Scheme with Privacy Preserving Based on Chaotic Maps 1
Chun-Ta Li, Chi-Yao Weng, Chien-Ming Chen, and Cheng-Chi Lee

- Identification and Detection of Statistical Characteristics of Encrypted Traffic in Zombie Networks 7
Ruidong Chen, Kwame Opuni-Boachie Agyekum, Xiaosong Zhang, and Qi Xia

- A Hash-Based Locator/ID Mapping Mechanism 13
Zhai chenggong, Fei xianhong, and Qiao Han

- Attack Strategy Prediction with Precisely Estimated Probability and Evidence Mapping 18
Chih-Hung Wang and Ren-Wei Liou

- Using CSP to Detect Errors in the TFTP 24
Lou Chen

- An Enhanced Temporal-Credential-Based Mutual Authentication and Key Agreement Scheme for Wireless Sensor Network 30
Muxi Zhang and JooSeok Song

- Research on Network Security and Defense Strategy in Cloud Computing Environment 36
Wang Xiaoni

• Information Communication and Wireless Technology

- An Enhanced Network Admission and Communication Scheme for Internet of Things Based Body Area Network Healthcare System 41
Chun-Ta Li, Dong-Her Shih, and Chun-Cheng Wang

- Extended RBAC with Context-Based Role- Recommendation 48
Gang Liu, Shaomin Ji, Runnan Zhang, Guofang Zhang, Lu Fang, and Quan Wang

- Evolutionary Algorithms for QoE 55
Seyed Mahmood Hashemi

- Android-Based Smart Power Outlet Switching Device Using ESP8266 Enabled WiFi Module 61
Dennis A. Martillano, Rondolf G Reyes, Ian Robert B. Miranda, and Kevin Lester C. Diaz*

- Using Computing Methods to Secure Vehicular Ad hoc Network (VANET): A Survey 66
Irshad Ahmed Sumra

- Using Smart Contract for Privacy Preserving in Internet of Things (IoT) Environments 71
Zahra Dehrouyeh and Reza Azmi