

- 1 **Analysis of Hierarchical Addressing in Different Deployment Ways**
Xuan Lu ; Wendong Wang ; Xiangyang Gong ; Xirong Que ; Bai Wang
Routing scalability ; Hierarchical addressing ; Prefix assignment
- 2 **The Effect of Context-Aware Mobile Learning on Chinese Rhetoric Ability of Elementary School Students**
Tzung-Shi Chen ; Po-Sheng Chiu ; Yueh-Min Huang ; Wen-Jen Hsieh
Chinese rhetoric ability ; Context awareness ; Elementary education ; Mobile learning
- 3 **QoS-Based Fast Handover Scheme for Service Continuity and Performance Improvement in MIPv6 Networks**
Shin-Jer Yang
WiMAX ; Mobile IPv6 ; IQDE ; QoS-based handover ; Media independent handover (MIH)
- 4 **SFADS: A SIP Flooding Attack Detection Scheme with the Internal and External Detection Features in IMS Networks**
Qibo Sun ; Shangguang Wang ; Ning Lu ; Kok-Seng Wong ; Myung Ho Kim
IMS network ; SIP flooding attacks ; Detection feature ; Cumulative sum control chart ; Fuzzy logic
- 5 **Analytical Model of Adaptive Cross-Layer-Based TCP Congestion Control for Wireless Mobile Cloud Access**
Ben-Jye Chang ; Ying-Hsin Liang ; Jun-Yu Jin
Mobile cloud access ; Analytical model ; Markov chain model ; Cross layer ; Adaptive shrink factors
- 6 **A New Efficient Illumination Compensation Algorithm for Enhancing Nighttime Videos**
YunBo Rao
Video enhancement ; Region ratio average ; Moving objects extraction ; Illumination compensation
- 7 **Bayesian Approach for Multi-Sensor Data Fusion Based on Compressed Sensing for Wireless Structural Damage Signal**
Sai Ji ; Zhen-Yu Chen ; Ping Guo ; Ya-Jie Sun ; Jian Shen ; Jin Wang ; Chin-Feng Lai
Compressed sensing (CS) ; Wireless sensor networks (WSNs) ; Structural health monitoring (SHM) ; Data fusion ; Bayesian estimation
- 8 **An Alignment-Oriented Segmenting Approach for Optimizing Large Scale Ontology Alignments**
Xingsi Xue ; Shu-Chuan Chu
Large scale ontology matching ; Ontology partition algorithm ; Memetic algorithm

9 **Novel Application of Fuzzy Multi-Objective Linear Programming to Components Designed for Game or Animation Characters**

Yih-Jou Tzang ; Ting-Yun Chi ; Hong-Yi Chang ; Chih-Hsuan Tzang ; Chun-Yen Huang

Fuzzy multi-objective linear programming ; Design components ; Games ; Animated characters

10 **Non-Convex Total Generalized Variation with Spatially Adaptive Regularization Parameters for Edge-Preserving Image Restoration**

Heng Zhang ; Ryan Wen Liu ; Di Wu ; Yanli Liu ; Neal N. Xiong

Total variation ; Total generalized variation ; Image restoration ; Non-convex optimization ; Alternating direction method of multipliers