15 卷 4 期

1 **Reducing Energy Consumption in Access Networks: Comparison and Analysis**
Shijia Zhu ; Deyun Gao ; Yu-Jing Zeng ; Fei Song ; Hongke Zhang
Energy saving ; Access networks ; Sleep on idle ; Traffic rate adaption ; Traffic shaping

2 **Impact of P2P-Assisted and Interaction-Oriented Content Distribution for Online Social Networks**
Kai Shuang ; Bin Du ; Sen Su
OSN ; P2P-Assisted ; Interaction-Oriented ; Content distribution

3 **Generic Utility Based Resource Allocation Optimization for Broadband Wireless Networks with Relays**
Hongxian Tian ; Bin Fan ; Rongtao Xu ; Jia You
Broadband wireless network ; Relay ; Orthogonal frequency division multiplexing (OFDM) ; Resource allocation

4 **The Design and Evaluation of an Affective Tutoring System**
Kuo-Chun Hsu ; Koong Hao-Chiang Lin ; I-Long Lin ; Jin-Wei Lin
Affective computing ; Affective tutoring system ; Intelligent tutoring systems ; Emotional intelligence ; Digital art ; Interaction design

5 **An On-Demand Services Discovery Approach Based on Topic Clustering**
Zheng Li ; Keqing He ; Jian Wang ; Neng Zhang
Services discovery ; Services clustering ; Topic ; Probability ; Similarity

6 **An Efficient Multicast Strategy for On-Demand Data Dissemination in Wireless Networks**
Shujuan Wang ; Mangui Liang
Wireless multicast ; Data dissemination ; Network coding ; On-Demand ; Dependent data

7 **Realization of Communications-as-a-Service: IPTV Distribution Platform and a Network-Based IPTV Audience Measurement Scheme**
Chi-Yi Lin ; Li-Chia Yeh ; Ching-Sheu Wang ; Jenn-Wei Lin
Communications-as-a-Service ; Internet protocol television ; Audience measurement ; Next-Generation network

8 **An Efficient Architecture for Parallel Skyline Computation over Large Distributed Datasets**
He Li ; Sumin Jang ; Jaesoo Yoo
Skyline query ; Distributed skyline query ; Large distributed dataset ; Parallel computation

9 **Robot Service Framework Based on Big Data Technology**
Yunsick Sung ; Hwa-Young Jeong ; Kyungeun Cho ; Kyhyun Um
Robot motor primitive ; Robot movement ; Demonstration-based learning ; Levenshtein-distance algorithm

10 **Organizing a User-Created Computing Environment by RESTful Web Service Open APIs in Desktop Grids**

Joon-Min Gil ； Jaehwa Chung ； Young-Sik Jeong ； Doo-Soon Park

Web service open APIs ； REST ； Desktop grid systems