

1 **Probabilistic Network Construction**

Chui-Hsing Chiu ; Chih-Cheng Tseng ; Tzu-Yu Chuang ; Kuan-Hua Lin ; Jhen-Kuan Li ; Jyun-Hong Huang ; Hai-Syu Syong ; Kwang-Cheng Chen

Complex networks ; Cognitive radio networks ; Social networks ; Bayesian networks.

2 **A New Diversity Strategy for Gene Expression Programming in Software Reliability Modeling**

Yong-Qiang Zhang ; Jing Xiao ; Sheng-Juan Sun

Gene Expression Programming (GEP) ; Population diversity ; Software reliability modeling ; Software failure sequence

3 **Efficient Content-Based Publish/Subscribe Systems over Peer-to-Peer Networks**

Shou-Chih Lo

Publish/Subscribe ; Content-Based ; Peer-to-Peer network ; Clustering ; Data replication/partition

4 **Using a PTD to Strengthen Remote Authentication from an Untrusted Computer**

Chin-Ling Chen ; Cheng-Chi Lee ; Neng-Chung Wang ; Chao-Yung Hsu

Security ; Mobile device ; Authentication ; Attack ; Transaction

5 **Automatic Bibliographic Component Extraction Using Conditional Random Fields**

Sheng-Ming Wang ; Wei-Pang Yang ; Hsin-Ping Chou ; Fu-Mei Chen ; Jia-Li Hou ; Jyh-Jian Sheu

Conditional random field ; Citation analysis ; Machine learning

6 **Developing Governmental Archival System on Semantic Grid**

Johannes K. Chiang ; Kenny Huang

Semantic grid ; Digital archive management ; Knowledge management ; Ontology.

7 **Arrival Process Modelling in Internet Auction**

Chu-Fen Li

Internet auction ; E-commerce application management ; Self-similarity ; Bid arrival modeling.

8 **Splog Detection Using Structural Similarity between Posts and URL Biasedness in Posts**

Soo-Cheol Kim ; Su-Won Lee ; Kyoung-Jun Sung ; Sung Kwon Kim

Splog detection ; HTML tags ; Structural similarity ; URL biasedness

9 **Two Novel Genetic Operators for Task Matching and Scheduling in Heterogeneous Computing Environments**

Chuan-Wen Chiang

Heterogeneous computing environments ; Task matching and scheduling ; Genetic algorithms ; Simulated annealing ; NP-complete

10 **An Approach to Representing Access Control Policies for Improving DFANS**

Bai-Ling Liu ; Wei-Jun Wang

Negotiation strategy ; Access control policy ; Trust establishment ; OBDDs