

- 1 **From Large-Scale Systems to Cyber-Physical Systems**
Mo Jamshidi
UAV ; Consensu-Based control ; Network control ; Cyber-Physical systems ; System of systems
- 2 **An Ubiquitous Sleep Quality Monitoring and Evaluation**
Jing-Zhi Yan ; Bin Hu ; Hong Peng ; Hao-Yu Ma ; Wen Zhao
Sleep stages ; EEG signal ; Feature extraction ; BP neural network
- 3 **On the Effect of Link Break Problem on Routing Protocols in Wireless Ad Hoc Networks**
Ying-Kwei Ho ; Ching-Chuan Chiang ; Ru-Sheng Liu ; Yao-Pin Tsai
Link break problem ; Wireless ad hoc networks ; Routing protocol ; Update probability ; Binomial distribution
- 4 **Influence of Internet Chat Rooms on Network Public Opinion**
Xia-Meng Si ; Yun Liu
Sociodynamics ; Opinion evolution ; Internet chat room ; Monte Carlo ; Convergence time
- 5 **Self-Similar Traffic Prediction Algorithm Based on an Improved Kalman Filtering**
Zhen-Yu Na ; Zi-He Gao
Traffic prediction ; Kalman filtering ; State equation ; Observation equation
- 6 **Two LIC-Based Fast Forwarding Schemes for Explicit Routing with Scalability, Flexibility and Security**
Ke Xiong ; Zheng-Ding Qiu ; Yu-Chun Guo ; Hong-Ke Zhang ; Han-Chieh Chao
Fast forwarding ; Router performance ; Flexible forwarding ; Scalability ; Security
- 7 **Design and Implementation of Lightpath Control System for TWAREN Optical Networks**
Hui-Lan Lee ; Shu-Cheng Lin ; Te-Lung Liu ; Chu-Sing Yang ; C. Eugene Yeh
TWAREN ; Optical networks ; Light path
- 8 **XR VAT: A Visual Topic Maps-Based Environment for Ontology Construction**
Cheng-Zen Yang ; Ing-Xiang Chen ; Chun-Hua Chou
Ontology construction ; Resource description framework ; Topic maps ; Interoperability ; Graphical user interface
- 9 **A General Availability-Aware Survivable Routing Architecture on GMPLS-Based Recovery**
János Tapolcai ; Shin-Jer Yang ; Pin-Han Ho
Generalized Multi-Protocol Label Switching GMPLS ; Shared protection ; Partial restorable ; Availability
- 10 **Determination of K-Coverage Configuration for Meeting Desired Quality of Surveillance on WSNs**
Meng-Chun Wueng ; Shyh-In Hwang ; I-Shyan Hwang
Quality of surveillance ; System false positive ; System false negative ; K-coverage configuration ; Data aggregation