

CONTENTS

ELECTRONICS TECHNOLOGY

- 879 **Low complexity hybrid power distribution combined with subcarrier allocation algorithm for OFDMA**
Weilin Jiang, Zhongzhao Zhang, Xuejun Sha, and Linan Sun
- 885 **Mie series for electromagnetic scattering of chiral metamaterials sphere**
Maoyan Wang, Chengwei Qiu, Jun Xu, Yuliang Dong, Hu Zheng, and Hailong Li
- 892 **New cooperative frequency domain differential modulation and demodulation**
Ke Li, Chunping Hou, and Jinlin Fu

DEFENCE ELECTRONICS TECHNOLOGY

- 897 **Infrared small target detection using sparse representation**
Jiajia Zhao, Zhengyuan Tang, Jie Yang, and Erqi Liu
- 905 **New UWB imaging algorithm for multiple targets detection**
Weijun Zhong, Chuangming Tong, Guorong Huang, and Yan Geng
- 910 **Novel discrimination method of digital deceptive jamming in mono-pulse radar**
Huanyao Dai, Xuesong Wang, and Yongzhen Li

SYSTEMS ENGINEERING

- 917 **Novel optimized routing algorithm for LEO satellite IP networks**
Zihe Gao, Qing Guo, and Zhenyu Na
- 926 **Information gain based sensor search scheduling for low-earth orbit constellation estimation**
Bo Wang, Jun Li, Wei An, and Yiyu Zhou
- 933 **Prediction of efficient outputs based on GM (1, N) model and weak DEA efficiency**
Jiefang Wang and Sifeng Liu

MILITARY SYSTEMS ANALYSIS

- 940 **Factor analysis of interceptor capture probability**
Lei Chen, Zhijun Gu, Xianzong Bai, and Kebo Li

- 948 **Saturation attack based route planning and threat avoidance algorithm for cruise missiles**
Guanghui Wang, Xuefeng Sun, Liping Zhang, and Chao Lv

CONTROL THEORY AND APPLICATION

- 954 **Adaptive NN stabilization for stochastic systems with discrete and distributed time-varying delays**
Jing Li, Junmin Li, and Yuli Xiao
- 967 **Adaptive fuzzy controller for a class of strict-feedback nonaffine nonlinear systems**
Jie Wen and Changsheng Jiang
- 975 **Controlling the probability density of quantum systems**
Yifan Xing and Jun Wu
- 982 **Fault detection filter design for linear discrete time-varying systems with multiplicative noise**
Yueyang Li and Maiying Zhong
- 991 **Leader-following consensus protocols for formation control of multi-agent network**
Xiaoyuan Luo, Nani Han, and Xinping Guan
- 998 **Improved delay-dependent stability criteria for systems with interval delay**
Hongbing Zeng, Shenping Xiao, and Bin Liu

SOFTWARE ALGORITHM AND SIMULATION

- 1003 **Extraction of affine invariant features for shape recognition based on ant colony optimization**
Yuxing Mao, Ching Y. Suen, and Wei He
- 1010 **Optimal and suboptimal structured algorithms of binary linear block codes**
Yijun Luo and Jin Li

RELIABILITY

- 1015 **Simulation and uniform design-based automatic generation of risk scenarios**
Jinghui Li, Rui Kang, Ali Mosleh, and Xing Pan
- 1023 **Bayesian sequential testing for exponential life system with reliability growth**
Yunyan Xing and Xiaoyue Wu
- 1030 **Application reliability for communication networks and its analysis method**
Ning Huang, Yang Chen, Dong Hou, Liudong Xing, and Rui Kang