

CONTENTS

ELECTRONICS TECHNOLOGY

531 Codebook design for uplink of densely small cells

Weikai Tan, Aihuang Guo, Wei Luo, Wenjuan Sheng, and Yeqing Qian

538 Direct P-code acquisition algorithm based on bidirectional overlap technique

Ying Xu, Lijuan Xu, Hong Yuan, and Ruidan Luo

547 Near optimal condition of OMP algorithm in recovering sparse signal from noisy measurement

Jia Li, Qiang Wang, and Yi Shen

554 Low side lobe pattern synthesis using projection method with genetic algorithm for truncated cone conformal phased arrays

Guoqi Zeng, Siyin Li, Yan Zhang, and Shanwei Lu

560 Blind reconstruction of linear scrambler

Hui Xie, Fenghua Wang, and Zhitao Huang

DEFENCE ELECTRONICS TECHNOLOGY

566 Cramer-Rao bound of joint estimation of target location and velocity for coherent MIMO radar

Peilin Sun, Jun Tang, and Shuang Wan

573 Knowledge-based detection method for SAR targets

Fei Gao, Achang Ru, Jun Wang, and Shiyi Mao

580 Switching variability index based multiple strategy CFAR detector

Yang Li, Zhenyuan Ji, Bingfei Li, and Gil Alterovitz

588 Multi-dimensional scattering properties diagnosis system of scale aircraft model in an anechoic chamber

Chufeng Hu, Zhou Zhou, Nanjing Li, and Kun Zhang

SYSTEMS ENGINEERING

- 596 Route strategy of satellite network in GNSS based on topology evolution law**
Xianqing Yi, Zhenwei Hou, Tao Zhong, Yaohong Zhang, and Zhili Sun
- 609 Memetic algorithm for multi-mode resource-constrained project scheduling problems**
Shixin Liu, Di Chen, and Yifan Wang
- 618 Ranking grey numbers based on dominance grey degrees**
Yong Liu, Jeffrey Forrest, and Naiming Xie

CONTROL THEORY AND APPLICATION

- 627 Progress in reentry trajectory planning for hypersonic vehicle**
Jiang Zhao, Rui Zhou, and Xuelian Jin
- 640 Robust bounded control for uncertain flight dynamics using disturbance observer**
Mou Chen and Bin Jiang
- 648 Adaptive actuator failure compensation and disturbance rejection scheme for spacecraft**
Xuelian Yao, Gang Tao, and Ruiyun Qi
- 660 Stability of stochastic switched epidemic systems with discrete or distributed time delay**
Xiaoying Meng and Feiqi Deng
- 671 Distributed tracking for networked Euler-Lagrange systems without velocity measurements**
Qingkai Yang, Hao Fang, Yutian Mao, and Jie Huang

SOFTWARE ALGORITHM AND SIMULATION

- 681 Robust key point descriptor for multi-spectral image matching**
Yueming Qin, Zhiguo Cao, Wen Zhuo, and Zhenghong Yu
- 688 Single foggy image restoration based on spatial correlation analysis of dark channel prior**
Yan Tian, Dong Xia, and Yiping Xu
- 697 Novel multi-objective optimization algorithm**
Jie Zeng and Wei Nie

RELIABILITY

- 711 Exact inference for two exponential populations with competing risks data**
Song Mao, Yimin Shi, and Liang Wang