

电子与信息学报

DIANZI YU XINXI XUEBAO

第 42 卷 第 12 期

2020 年 12 月

目 次

网络空间安全中的人格研究综述	吴 桐, 郑康锋, 伍淳华, 王秀娟, 郑赫慈 (2827)
基于简化云与K/N投票的选择性转发攻击检测方法	尹荣荣, 张文元, 杨绸绸, 李曦达 (2841)
软件定义网络容错控制平面的最小覆盖布局方法	吴 奇, 陈鸿昶 (2849)
浮点数比较分支的混淆方法研究	耿 普, 祝跃飞 (2857)
基于长短期记忆生成对抗网络的小麦品质多指标预测模型	蒋华伟, 张 磊 (2865)
车载自组网中可证明安全的无证书认证方案	曾 萍, 郭瑞芳, 马英杰, 高 原, 赵 耿 (2873)
卫星物联网场景下基于节点选择的协作波束成形技术研究	席 博, 洪 涛, 张更新 (2882)
移动边缘计算中分布式异构任务卸载算法	夏士超, 姚枝秀, 鲜永菊, 李 云 (2891)
超密集异构无线网络中基于位置预测的切换算法	马 彬, 王梦雪, 谢显中 (2899)
基于携能通信的非信任双向中继网络安全传输方案	欧静兰, 余欢欢, 吴皓威, 马 锐, 王柳彬 (2908)
D2D辅助的窄带物联网中能耗和传输成功率的最优折中	裴二荣, 易 鑫, 邓炳光, 李金艳, 张 蕾 (2915)
无线自组织网络的联合安全路由选择和功率优化算法	惠 隼, 张晓静 (2923)
基于深度强化学习的服务功能链可靠部署算法	唐 伦, 曹 睿, 廖 皓, 王兆堃 (2931)
全负载蜂窝网络下多复用D2D通信功率分配算法研究	钱志鸿, 蒙武杰, 王 雪, 胡良帅, 王 鑫 (2939)
基于极化码的无协商密钥物理层安全传输方案	黄开枝, 万 政, 楼洋明, 肖帅芳, 许晓明 (2946)
基于零空间矩阵匹配的极化码参数盲识别算法	张天骐, 胡延平, 冯嘉欣, 张晓艳 (2953)
基于稀疏感知有序干扰消除的大规模机器类通信系统多用户检测	申 滨, 吴和彪, 赵书锋, 崔太平 (2960)
无人机编队中无线紫外光隐秘通信的能耗均衡算法	赵太飞, 林亚茹, 马倩文, 郑博睿 (2969)
基于索引调制OFDM雷达通信共享信号压缩感知方法研究	左家骏, 杨瑞娟, 李晓柏, 李东瑾 (2976)
基于MUSIC算法的二次雷达应答信号分离方法	张 海, 陈小龙, 张 涛, 张财生 (2984)
基于统计相关差异的多基地雷达拖引欺骗干扰识别	孙闽红, 丁辰伟, 张树奇, 鲁加战, 邵鹏飞 (2992)
$K_{2,4,p}$ 的点可区别IE-全染色	陈祥恩, 张 爽, 李泽鹏 (2999)
基于高效可扩展改进残差结构神经网络的舰船目标识别技术	付哲泉, 李尚生, 李相平, 但 波, 王旭坤 (3005)
基于信令数据的轨迹驻留点识别算法研究	李万林, 王 超, 许国良, 雒江涛, 张 轩 (3013)
使用能量匹配的监控视频自适应速率压缩感知	王健明, 陈建华 (3021)
基于深度哈希算法的极光图像分类与检索方法	陈昌红, 彭腾飞, 干宗良 (3029)

引入语义部位约束的行人再识别	陈莹, 陈巧媛 (3037)
基于多尺度和注意力融合学习的行人重识别	王粉花, 赵波, 黄超, 严由齐 (3045)
基于视图感知的单视图三维重建算法	王年, 胡旭阳, 朱凡, 唐俊 (3053)
基于自适应背景选择和多检测区域的相关滤波算法	蒲磊, 冯新喜, 侯志强, 余旺盛 (3061)
$K_{4,4,p}$ 的点可区别的IE-全染色($p \geq 1008$)	陈祥恩, 马静静 (3068)
基于金属销钉封装的Ka波段固态功率放大模块研究	孙健健, 徐建华, 成海峰, 祝庆霖, 韩煦 (3074)

JOURNAL OF ELECTRONICS & INFORMATION TECHNOLOGY

Vol.42 No.12 December 2020

CONTENTS

A Survey on Personality in Cyberspace Security	(2827)
..... WU Tong, ZHENG Kangfeng, WU Chunhua, WANG Xiujuan, ZHENG Heci	
A Selective Forwarding Attack Detection Method Based on Simplified Cloud and K/N Voting Model	(2841)
..... YIN Rongrong, ZHANG Wenyuan, YANG Chouchou, LI Xida	
Minimal Coverage Model for Fault-Tolerant Controller Placement in Software Defined Networks	(2849)
..... WU Qi, CHEN Hongchang	
An Branch Obfuscation Research on Path Branch Which Formed by Floating-point Comparison	(2857)
..... GENG Pu, ZHU Yuefei	
Multi-index Prediction Model of Wheat Quality Based on Long Short-Term Memory and Generative Adversarial Network	(2865)
..... JIANG Huawei, ZHANG Lei	
Provable Security Certificateless Authentication Scheme for Vehicular Ad hoc Network	(2873)
..... ZENG Ping, GUO Ruifang, MA Yingjie, GAO Yuan, ZHAO Geng	
Research on the Collaborative Beamforming Technique Based on the Node Selection for Satellite Internet of Things	(2882)
..... XI Bo, HONG Tao, ZHANG Gengxin	
A Distributed Heterogeneous Task Offloading Methodology for Mobile Edge Computing	(2891)
..... XIA Shichao, YAO Zhixiu, XIAN Yongju, LI Yun	
Handoff Algorithm Based on Location Prediction in Ultra-dense Heterogeneous Wireless Network	(2899)
..... MA Bin, WANG Mengxue, XIE Xianzhong	
Security Transmission Scheme for Two-way Untrusted Relay Networks Based on Simultaneous Wireless Information and Power Transfer	(2908)
..... OU Jinglan, YU Huanhuan, WU Haowei, MA Rui, WANG Liubin	
The Optimal Tradeoff between Energy Consumption and Transmission Success Probability in D2D assisted NarrowBand-Internet of Things	(2915)
..... PEI Errong, YI Xin, DENG Bingguang, LI Jinyan, ZHANG Lei	
Joint Secure Routing and Power Optimization Algorithm for Wireless Ad Hoc Networks	(2923)
..... HUI Hui, ZHANG Xiaojing	
Reliable Deployment Algorithm of Service Function Chain Based on Deep Reinforcement Learning	(2931)
..... TANG Lun, CAO Rui, LIAO Hao, WANG Zhaokun	
Research on Power Allocation Algorithm of Multi-to-One Multiplexing D2D Communication Underlying Full Load Cellular Networks	(2939)
..... QIAN Zhihong, MENG Wujie, WANG Xue, HU Liangshuai, WANG Xin	
Physical Layer Secure Transmission Scheme with Joint Polar Codes and Non-reconciliation Secret Keys	(2946)
..... HUANG Kaizhi, WAN Zheng, LOU Yangming, XIAO Shuaifang, XU Xiaoming	
Blind Identification Algorithm of Polarization Code Parameters Based on Null Space Matrix Matching	(2953)
..... ZHANG Tianqi, HU Yanping, FENG Jiaxin, ZHANG Xiaoyan	
Sparsity-aware Ordered Successive Interference Cancellation Based Multi-user Detection for Uplink mMTC	(2960)
..... SHEN Bin, WU Hebiao, ZHAO Shufeng, CUI Taiping	
Energy Balance Algorithm for Wireless Ultraviolet Secret Communication in UAV Formation	(2969)
..... ZHAO Taifei, LIN Yaru, MA Qianwen, ZHENG Borui	
A Compressed Sensing Method for Joint Radar and Communication System based on OFDM-IM Signal	(2976)
..... ZUO Jiajun, YANG Ruijuan, LI Xiaobai, LI Dongjin	
Overlapping Secondary Surveillance Radar Replies Separation Algorithm Based on MUSIC	(2984)
..... ZHANG Hai, CHEN Xiaolong, ZHANG Tao, ZHANG Caisheng	

(To be continued on inside back cover)

(Continued)

Recognition of Deception Jamming Based on Statistical Correlation Difference in a Multistatic Radar System	
.....	<i>SUN Minghong, DING Chenwei, ZHANG Shuqi, LU Jiazhan, SHAO Pengfei</i> (2992)
Vertex Distinguishing IE-total Coloring of $K_{2,4,p}$	<i>CHEN Xiang'en, ZHANG Shuang, LI Zepeng</i> (2999)
Ship Target Recognition Based on Highly Efficient Scalable Improved Residual Structure Neural Network	
.....	<i>FU Zhequan, LI Shangsheng, LI Xiangping, DAN Bo, WANG Xukun</i> (3005)
Research of Track Resident Point Identification Algorithm Based on Signaling Data	
.....	<i>LI Wanlin, WANG Chao, XU Guoliang, LUO Jiangtao, ZHANG Xuan</i> (3013)
Adaptive-Rate Compressive Sensing Using Energy Matching for Monitoring Video ...	<i>WANG Jianming, CHEN Jianhua</i> (3021)
Aurora Image Classification and Retrieval Method Based on Deep Hashing Algorithm	
.....	<i>CHEN Changhong, PENG Tengfei, GAN Zongliang</i> (3029)
Semantic Part Constraint for Person Re-identification	<i>CHEN Ying, CHEN Qiaoyuan</i> (3037)
Person Re-identification Based on Multi-scale and Attention Fusion	
.....	<i>WANG Fenhua, ZHAO Bo, HUANG Chao, YAN Youqi</i> (3045)
Single-view 3D Reconstruction Algorithm Based on View-aware	<i>WANG Nian, HU Xuyang, ZHU Fan, TANG Jun</i> (3053)
Correlation Filter Algorithm Based on Adaptive Context Selection and Multiple Detection Areas	
.....	<i>PU Lei, FENG Xinxi, HOU Zhiqiang, YU Wangsheng</i> (3061)
Vertex-distinguishing IE-total Coloring of $K_{4,4,p}(p \geq 1008)$	<i>CHEN Xiang'en, MA Jingjing</i> (3068)
Research on Ka-band Solid-state Power Amplifier Module Packages Using a Lid of Nails	
.....	<i>SUN Jianjian, XU Jianhua, CHENG Haifeng, ZHU Qinglin, HAN Xu</i> (3074)