

CETC

全国中文核心期刊



ISSN 1673-5692
CN 11-5401/TN
Vol. 13 No. 6 Dec. 2018
(双月刊)
总第80期

中国电子科学研究院学报

JOURNAL OF CHINA ACADEMY OF ELECTRONICS AND INFORMATION TECHNOLOGY

2018年第13卷第6期
12



中国电子科学研究院

China Academy of Electronics and Information Technology

中国电子科学研究院学报

第13卷 第6期 2018年

目 次

网络信息专题

- 空间网络安全路由协议研究现状与发展趋势 虞志刚, 冯旭, 赵晶, 陆洲, 吴巍(625)
低轨星座体系结构设计及资源调度算法研究 刘海蛟, 秦鹏, 王妮炜, 陆洲, 周彬(631)
基于动态可视化的空间信息网络拓扑演化浅析 于少波, 吴玲达, 岑鹏瑞, 李超, 万秉承(636)
作战指挥体系网络结构建模及评估研究 罗金亮, 范学权, 刘洋, 王长青(642)
星地激光通信可靠性保障技术研究现状 徐晓帆, 陆洲(650)

综 述

- 人工智能对战斗力生成机制的影响及其启示 郝英好, 李睿深(658)
基于文本挖掘的我国人工智能产业政策量化研究 袁野, 于敏敏, 陶于祥, 龚振炜, 刘继明(663)
ICT应用与社会不平等的重塑: 现象与机制 徐清源, 罗祎, 陈秋心, 周彦(669)
智慧与智慧信息系统 黄琦, 彭武(674)
联合作战条件下战场态势感知体系构建问题研究 李昌玺, 于军, 徐颖, 陈骋(680)
基于三维视角建立企业标准体系的探讨 郭宁, 沈方达, 刘杨(685)

工程与应用

- 联合多层次散射区域的 SAR 目标识别方法 王立梅, 李金凤, 张亚峰 (690)
基于同步调理编码的复杂信号组合测量机制研究与实现 梁嘉倩, 鲁文帅, 孟升卫, 付平 (695)
基于卡尔曼滤波的流量预测机制 贾濡, 潘沫铭 (702)
一种反熔丝 FPGA 可实现的闪存坏块管理算法 莫凡, 陈晓飞, 陆一波 (708)
谐波背景下非线性供电系统电能计量数据远传技术研究 张兆杰, 卢静雅, 刘浩宇, 罗东 (713)
基于云存储架构的分布式大数据安全容错存储算法 吴晓玲, 邱珍珍 (720)
基于 ZigBee 通信和 ARM 控制器的车内有害气体浓度带电检测 刘雁 (725)
基于模糊 PID 数字控制算法的液压启动控制伺服系统的研究 陈雪梅, 谢清钟 (732)

Journal of China Academy of Electronics and Information Technology

Vol. 13 No. 6 2018

MAIN CONTENTS

Network Information Technology

- Research Status and Development Trends of Secure Routing Protocol for Space Information Network YU Zhi-gang, FENG Xu, ZHAO Jing, LU Zhou, WU Wei(625)
Research on Architecture Design and Resource Allocation Algorithm of LEO Constellation LIU Hai-jiao, QIN Peng, WANG Ni-wei, LU Zhou, ZHOU Bin(631)
Topology Evolution Analysis of Space Information NetworksBased on Dynamic Visualization YU Shao-bo, WU Ling-da, CEN Peng-rui, LI Chao, WAN Bing-chen(636)
Research on Modeling and Evaluation of Combat Command System Network Structure LUO Jin-liang, Mao Xue-quan, Liu Yang, Wang Chang-qing(642)
Research Status of Mitigation Techniques to Assure the Reliability of Satellite-to-Ground Laser Communications XU Xiao-Fan, LU Zhou(650)

Reviews

- AI Effectiveness to the Generation Mechanism of Military Power and its Inspiration HAO Ying-hao, LI Rui-shen(658)
Quantitative Research on China's Artificial Intelligence Industry Policy Based on Text Mining YUAN Ye, YU Min-min, TAO Yu-xiang, GONG Zhen-wei, LIU Ji-ming(663)
ICT Application and the Reconstruction of Social Inequity: Phenomenon and Mechanism XU Qing-yuan, LUO Yi, CHEN Qiu-xin, ZHOU Yan(669)
Understanding of Wisdom and its Application in all Fields HUANG Qi, PENG Wu(674)
Construction Problem Study on Battlefield Situation Awareness System under Joint Operation LI Chang-xi, YU Jun, Xu Ying, CHEN Cheng(680)
The Discussion of Establishing Enterprise Standard System Based on Three-dimension Perspective GUO Ning, SHEN Fang-da, LIU Yang(685)

Engineering and Application

- SAR Target Recognition Based on Joint Exploitation of Multi-level Scattering Areas WANG Li-mei, LI Jin-feng, ZHANG Ya-feng(690)
Joint Measurement Mechanism based on Synchronous Regulating Code for Complicated Test Signals LIANG Jia-qian, LU Wen-shuai, MENG Sheng-wei, FU Ping(695)
The Mechanism of Traffic Prediction Based on Kalman Filter JIA Ru, PAN Shu-ming(702)
Nand Flash Invalid Block Management Algorithm Realizable by Anti-fuse FPGA MO Fan, CHEN Xiao-Fei, LU Yi-Bo(708)
Research on Remote Transmission Technology of Power Measurement Data of Nonlinear Power Supply System under Harmonic Background ZHANG Zhao-jie, LU Jing-ya, LIU Hao-yu, LUO Dong(713)
Distributed Large Data Security Fault-tolerant Storage Algorithm Based on Cloud Storage Architecture WU Xiao-ling, QIU Zhen-zhen(720)
Live Detection of Harmful Gas Concentration in Vehicle Based on ZigBee Communication and ARM Controller LIU Yan(725)
Research on Hydraulic Pneumatic Control Servo System Based on Fuzzy PID Digital Control Algorithm CHEN Xue-mei, XIE Qing-zhong(732)

Competent Authority: China Electronics Technology Group Corporation

Sponsor: China Academy of Electronics and Information Technology

Director of Committee: LV Xin-kui

Vice Director of Committee: RUAN Fang XU Jian-feng WANG Ji-peng

Chief Editor: ZHOU Bin

Add: Editorial Office of Journal of CAEIT (POBox 2518, Beijing 100041 , China)

Tel: 86-10-68893411 **Fax:** 86-10-88791693

E-mail: dkxyuebao@vip. 126. com **Magazine Code:** ISSN1673-5692
CN 11-5401/TN

Single Issue Price: ￥ 30. 00

欢迎关注 学术plus



党的十八大以来，以习近平同志为总书记的党中央高度重视传统媒体和新兴媒体融合发展，总书记多次在不同场合强调要利用新技术新应用创新媒体传播方式。在此背景下，推动融合发展，打造新型主流媒体，正成为当下各类传媒单位的共识。

《中国电子科学研究院学报》（全国中文核心期刊）在坚持“注重研究成果，提升学术水平”的办刊宗旨基础上，2016年先后推出学报在线采编系统，微信公众号平台等，大踏步地将传统学术期刊与新型传播形式相结合，强烈拥抱新型媒体，努力打造中国信息与电子前沿技术的新型学术传播、交流平台。

编辑部地址：北京市石景山区双园路11号
电 话：010—68893411
邮 箱：dkyxuebao@vip.126.com
网 址：<http://kjpl.cbpt.cnki.net>