

电子与信息学报

DIANZI YU XINXI XUEBAO

第 40 卷 第 2 期

2018 年 2 月

目 次

论 文

- 基于 Hess 矩阵的多聚焦图像融合方法 肖 斌, 唐 翰, 徐韵秋, 李伟生 (255)
- 融合暗原色先验和稀疏表示的水下图像复原 王 鑫, 朱行成, 宁 晨, 吕国芳 (264)
- 局部感知下的稀疏优化目标跟踪方法 刘大千, 刘万军, 费博雯 (272)
- 基于视差信息的立体图像主动闭合轮廓提取算法研究 任 慧, 苏志斌, 高 楠, 吕朝辉 (282)
- 基于显著性加权随机优化的快速响应码美化方法 杨俊丰, 林亚平, 欧 博, 蒋军强, 李 强 (289)
- 基于水下成像模型的图像清晰化算法 杨爱萍, 曲 畅, 王 建, 张莉云 (298)
- 轻量扩展的射频指纹地图构造方法 刘文远, 刘慧香, 温丽云, 王 林 (306)
- 一种基于角度惩罚距离的高维多目标进化算法 毕晓君, 王 朝 (314)
- 基于半监督学习生成对抗网络的人脸还原算法研究 曹志义, 牛少彰, 张继威 (323)
- 基于图像分块和优化累积能量图的线裁剪算法 郭迎春, 梁云鹤, 于 明, 张婷婷 (331)
- 基于动态时间规整和主动外观模型的动态表情识别
..... 许良凤, 王家勇, 崔婧楠, 胡 敏, 张柯柯, 滕文娣 (338)
- 基于人工靶向免疫疗法的红外手部痕迹目标提取 付冬梅, 孙 静, 杨 焘 (346)
- 一种基于多参数融合的无袖带式连续血压测量方法的研究
..... 徐志红, 方 震, 陈贤祥, 覃 力, 杜利东, 赵 湛, 刘杰昕 (353)
- 基于 SFLA-GA 混合算法求解时间最优的旅行商问题 张 勇, 高鑫鑫, 王昱洁 (363)
- 分布式信源数据域直接位置估计方法 王大鸣, 任衍青, 逯志宇, 巴 斌 (371)
- 脉冲噪声下基于 Renyi 熵的分数低阶双模盲均衡算法
..... 马济通, 邱天爽, 李 蓉, 夏 楠, 李景春 (378)
- 基于改进压缩感知的缺损光纤 Bragg 光栅传感信号修复方法 陈 勇, 吴春婷, 刘焕淋 (386)
- 一种二进制伪随机序列盲识别方法 张天骐, 赵 亮, 张 婷, 杨 凯 (394)
- 基于多重分形谱的物理层帧结构检测算法研究 李歆昊, 张 旻, 韩树楠 (400)
- 基于 OFDM 符号宽度的循环平稳频谱感知方法 王 俊, 尹佳佳, 黄凤英, 陈 喆, 徐 阳 (408)
- 大规模 MIMO 系统中基于二对角矩阵分解的低复杂度检测算法
..... 曹海燕, 杨敬畏, 方 昕, 许方敏 (416)
- 基于双向匹配模型的异构网络垂直切换算法 马 彬, 邓 红, 谢显中 (421)
- 一种基于完全性的不可能差分区分器构造方法 李俊志, 关 杰 (430)
- 基于相干叠加与模均等矢量分解的光学图像加密算法 张 博, 龙 慧, 江沸菠 (438)
- 分布式能量均衡的 WSN 动态数据转发策略 甄 岩, 李 兴, 杨 静 (447)

软件定义网络中基于负载均衡的多控制器部署算法	史久根, 郝伟, 贾坤荣, 徐颖	(455)
星载 GNSS-R 海面风速反演方法研究	杨东凯, 刘毅, 王峰	(462)
对 SAR 的脉间周期式移频调制干扰	畅鑫, 董春曦, 唐峥钊, 董阳阳, 刘明明	(470)
零训练样本的集中式 MIMO 雷达斜对称检测器	杨海峰, 蒋国喜, 刘维建, 谢文冲, 王永良	(479)
基于旋转干涉仪圆阵化的多目标参数估计新算法	辛金龙, 廖桂生, 杨志伟, 解虎	(486)
基于快速群体智能算法的毫米波天线设计	陈月云, 简荣灵, 赵庸旭	(493)
学术讨论		
具有内部安全性的常数对无证书聚合签密方案	张永洁, 张玉磊, 王彩芬	(500)

JOURNAL OF ELECTRONICS & INFORMATION TECHNOLOGY

Vol.40 No.2 Feb. 2018

CONTENTS

Papers

- Multi-focus Image Fusion Based on Hess Matrix *XIAO Bin, TANG Han, XU Yunqiu, LI Weisheng* (255)
- Combination of Dark-channel Prior with Sparse Representation for Underwater Image Restoration
..... *WANG Xin, ZHU Hangcheng, NING Chen, LÜ Guofang* (264)
- Object Tracking Method Based on Sparse Optimization of Local Sensing
..... *LIU Daqian, LIU Wanjun, FEI Bowen* (272)
- Extraction Algorithm for Active Contour Based on Disparity Information of Stereoscopic Image
..... *REN Hui, SU Zhibin, GAO Nan, LÜ Chaohui* (282)
- A Quick Response Code Beautification Method Based on Saliency Weighted Random Optimization
..... *YANG Junfeng, LIN Yaping, OU Bo, JIANG Junqiang, LI Qiang* (289)
- Underwater Image Visibility Restoration Based on Underwater Imaging Model
..... *YANG Aiping, QU Chang, WANG Jian, ZHANG Liyun* (298)
- A Scalable Lightweight Radio Fingerprint Map Construction Method
..... *LIU Wenyuan, LIU Huixiang, WEN Liyun, WANG Lin* (306)
- A Many-objective Evolutionary Algorithm Based on Angle Penalized Distance *BI Xiaojun, WANG Chao* (314)
- Research on Face Reduction Algorithm Based on Generative Adversarial Nets with Semi-supervised Learning
..... *CAO Zhiyi, NIU Shaozhang, ZHANG Jiwei* (323)
- An Improved Seam Carving Algorithm Based on Image Blocking and Optimized Cumulative Energy Map
..... *GUO Yingchun, LIANG Yunhe, YU Ming, ZHANG Tingting* (331)
- Dynamic Expression Recognition Based on Dynamic Time Warping and Active Appearance Model
..... *XU Liangfeng, WANG Jiayong, CUI Jingnan, HU Min, ZHANG Keke, TENG Wendi* (338)
- Target Extraction of Hand Infrared Trace Images Based on Artificial Targeting Immunotherapy
..... *FU Dongmei, SUN Jing, YANG Tao* (346)
- Research About Cuff-less Continuous Blood Pressure Estimation by Multi-parameter Fusion Method
..... *XU Zhihong, FANG Zhen, CHEN Xianxiang, QIN Li, DU Lidong, ZHAO Zhan, LIU Jierin* (353)
- Solving the Time Optimal Traveling Salesman Problem Based on Hybrid Shuffled Frog Leaping Algorithm-genetic
Algorithm *ZHANG Yong, GAO Xinxin, WANG Yujie* (363)
- Direct Position Determination of the Distributed Source *WANG Daming, REN Yanqing, LU Zhiyu, BA Bin* (371)
- Dual-mode Blind Equalization Algorithm Based on Renyi Entropy and Fractional Lower Order Statistics Under
Impulsive Noise *MA Jitong, QIU Tianshuang, LI Rong, XIA Nan, LI Jingchun* (378)
- A Repaired Algorithm Based on Improved Compressed Sensing to Repair Damaged Fiber Bragg Grating Sensing
Signal *CHEN Yong, WU Chunting, LIU Huanlin* (386)
- A Blind Recognition Method of Binary Pseudo-random Sequence
..... *ZHANG Tianqi, ZHAO Liang, ZHANG Ting, YANG Kai* (394)

(To be continued on inside back cover)

(Continued)

Study on Frame Structure Detection in Physical Layer Based on Multi-fractal Spectrum	
.....	<i>LI Xinhao, ZHANG Min, HAN Shunan</i> (400)
OFDM Symbol Duration Based Cyclostationary Spectrum Sensing Method	
.....	<i>WANG Jun, YIN Jiajia, HUANG Fengying, CHEN Zhe, XU Yang</i> (408)
Low Complexity Detection Algorithm Based on Two-diagonal Matrix Decomposition in Massive MIMO Systems	
.....	<i>CAO Haiyan, YANG Jingwei, FANG Xin, XU Fangmin</i> (416)
Two-sided Matching Model Based Vertical Handover Algorithm in Heterogeneous Wireless Networks	
.....	<i>MA Bin, DENG Hong, XIE Xianzhong</i> (421)
A Method of Constructing Impossible Differential Distinguishers Based on Completeness	
.....	<i>LI Junzhi, GUAN Jie</i> (430)
Optical Image Encryption Algorithm Based on Coherent Superposition and Equal Modulus Vector Decomposition	
.....	<i>ZHANG Bo, LONG Hui, JIANG Feibo</i> (438)
Distributed Energy-balanced Dynamic Packet Forwarding Strategy in WSN	<i>ZHEN Yan, LI Xing, YANG Jing</i> (447)
Multi-controller Deployment Algorithm Based on Load Balance in Software Defined Network	
.....	<i>SHI Jiugen, ZHU Wei, JIA Kunying, XU Ying</i> (455)
Ocean Surface Wind Speed Retrieval Using Spaceborne GNSS-R	<i>YANG Dongkai, LIU Yi, WANG Feng</i> (462)
Inter-pulse Periodical Shift-frequency Jamming Against Synthetic Aperture Radar	
.....	<i>CHANG Xin, DONG Chunxi, TANG Zhengzhao, DONG Yangyang, LIU Mingming</i> (470)
Persymmetric Detectors Without Training Data for Colocated MIMO Radar	
.....	<i>YANG Haifeng, JIANG Guoxi, LIU Weijian, XIE Wenchong, WANG Yongliang</i> (479)
Multiple Source Parameter Estimation for Rotating Interferometer Using Circular Array Processing	
.....	<i>XIN Jinlong, LIAO Guisheng, YANG Zhiwei, XIE Hu</i> (486)
Millimeter Wave Antenna Design Based on Fast Swarm Intelligence Algorithm	
.....	<i>CHEN Yueyun, JIAN Rongling, ZHAO Yongxu</i> (493)
Discussions	
Certificateless Aggregate Signcryption Scheme with Internal Security and Const Pairings	
.....	<i>ZHANG Yongjie, ZHANG Yulei, WANG Caifen</i> (500)