

重庆邮电大学学报(自然科学版)

第23卷第3期

2011年6月

目次

※ 通信与电子 ※

一种适合 IEEE802.16m 的改进前导字结构和定时同步算法	谢显中, 蒲东(253)
一种基于链路质量的选择协作式 HARQ 传输协议	戴翠琴, 任薇, 蒋丽(258)
联合 LDPC 码和网络编码的协作通信技术	朱联祥, 行彦辉, 李祥, 等(262)
高吞吐量低资源占用的累积码译码器	游莹(266)
物理层抽象中平均互信息的精确计算方法	熊磊, 张金宝(271)
CPM 信号结合判决反馈的多分支分数多比特差分检测	孙锦华, 吴小钧(276)
基于耦合映象格子的宽间隔跳频序列的 FPGA 实现	王喜凤, 王可人, 郭建蓬, 等(281)
衰落信道下能量检测的性能分析	邹丽, 张士兵, 吉晓东(288)
基于哈达玛变换的 LTE 辅同步信号检测方法实现研究	李娜, 朱刚(294)
LTE 终端 RRC 连接重建过程研究与实现	彭大芹, 邓江(299)
LTE 系统中上行数据发送过程研究与实现	陈昌川, 范新刚, 黄艾维(305)
电子侦察中圆形天线阵列配置方式仿真分析	夏添, 谢俊好(310)
Φ 形多频带小型微带天线的研究与设计	杨虹, 陈轶芬, 邵建兴(315)
基于 ZERBST 方法的少子寿命测量的数值仿真验证	陈晓敏(320)
非自治异结构混沌系统同步及其在保密通信中的应用	罗小华, 薛飞, 何伦(323)
一个四翼混沌系统的设计与电路实现	许明清, 王忠林, 邓斌, 等(328)

※ 计算机与自动控制 ※

一种改进的自适应蚁群算法及其应用研究	蒲兴成, 孙凯(331)
动态分簇的异构传感器网络安全路由协议	邓亚平, 杨佳, 胡亚明(336)
采用 Tree 及 AODVjr-PB 路由算法的家庭无线网络设计	朱向庆, 陈志雄(343)
基于混合搜索算法的图像稀疏分解	张华, 张葛祥, 程吉祥(349)
基于 Gabor 特征和 EHMM 的人脸识别方法	杨勇, 田侃(355)
一种视频中基于检测的快速人脸跟踪方法	董妮娅, 郑建宏(363)
基于时空序列模式匹配的兴趣点推荐方法	夏英, 孙冲武(368)
基于数据资源的认知图挖掘系统研究	李娜源, 张国(374)
征稿简则	封三

期刊基本参数: CN50-1181/N * 1988 * b * A4 * 128 * zh + en * P * 12.00 * 1000 * 24 * 2011-3

本期责任编辑: 刘勇 本期英文编辑: 陈民

(版权归重庆邮电大学所有。本刊如有印装质量问题, 请与本刊编辑部联系)

**Journal of Chongqing University of
Posts and Telecommunications (Natural Science Edition)**
Vol. 23 No. 3 Jun. 2011

Contents

※ **Communication and Electronics** ※

An advanced preamble and timing synchronization algorithm for IEEE802. 16m XIE Xian-zhong, PU Dong (253)

A selective cooperative HARQ protocol based on link quality DAI Cui-qin, REN Wei, JIANG Li (258)

Joint LDPC codes and network coding cooperative communication technology
..... ZHU Lian-xiang, XING Yan-hui, LI Xiang, et al (262)

High throughput accumulate codes decoder with low resource overhead YOU Ying (266)

A precise calculation method for mean mutual information of PHY layer abstraction XIONG Lei, ZHANG Jin-bao (271)

Multi-branch fractional multi-bit differential detection for CPM with decision feedback SUN Jin-hua, WU Xiao-jun (276)

FPGA realization of wide-gap frequency hopping sequences based on coupled map lattice
..... WANG Xi-feng, WANG Ke-ren, GUO Jian-peng, et al (281)

Performance analysis of energy detection in fading channels ZOU Li, ZHANG Shi-bing, JI Xiao-dong (288)

Research on the implementation of LTE secondary synchronization signal detection based on hadamard transform
..... LI Na, ZHU Gang (294)

RRC connection re-establishment procedure research and implementation of LTE terminal PENG Da-qin, DENG Jiang (299)

Research and realization of uplink data transmission in LTE CHEN Chang-chuan, FAN Xin-gang, HUANG Ai-wei (305)

On the pattern of circular antenna array configuration in electronic reconnaissance XIA Tian, XIE Jun-hao (310)

Analysis and design of an Φ -shaped compact multi-frequency microstrip antenna
..... YANG Hong, CHEN Yi-fen, SHAO Jian-xing (315)

Numerical simulation of measuring the minority carrier lifetime based on the ZERBST method CHEN Xiao-min (320)

Synchronization between two non-autonomous chaotic systems with different configuration and its application in
secure communication LUO Xiao-hua, XUE Fei, HE Lun (323)

Design and circuit realization of a four-wing chaotic system XU Ming-qing, WANG Zhong-lin, DENG Bin, et al (328)

※ **Computer and Automation** ※

An improved adaptive ant colony optimization algorithm with application PU Xing-cheng, SUN Kai (331)

Dynamic cluster-based security routing protocol in HWSN DENG Ya-ping, YANG Jia, HU Ya-ming (336)

Design of home wireless network using routing algorithm of Tree and AODVjr-PB ZHU Xiang-qing, CHEN Zhi-xiong (343)

Image sparse decomposition based on hybrid search algorithm ZHANG Hua, ZHANG Ge-xiang, CHENG Ji-xiang (349)

Face recognition based on Gabor feature and EHMM YANG Yong, TIAN Kan (355)

A face tracking method based on detection in video DONG Ni-ya, ZHENG Jian-hong (363)

POI recommendation method based on pattern matching of spatio-temporal sequence XIA Ying, SUN Chong-wu (368)

Study on the mining system for cognitive maps based on data resources LI Yuan-yuan, ZHANG Guo (374)

Executive Editor: LIU Yong
English Editor: CHEN Min