

美国 EI 核心数据库检索期刊
中国科协精品科技期刊

ISSN 1000-436X
CN 11-2102/TN

通信学报

Journal on Communications

第 33 卷第 **7** 期 2012 年 7 月
Vol.33 No.7 Jul. 2012



中国通信学会主办

A Publication of China Institute of Communications

中国 · 北京 Beijing, China

目次

学 术 论 文

基于硬件逻辑的网络编码编解码算法	李 挥, 张明龙, 尘福兴, 侯韩旭, 潘 凯, 王 蔚, 袁虎声, 孙 涛 (1)
基于焦点折叠的网络模拟拓扑抽象模型	张兆心, 杜跃进, 王 克, 丁振全, 郝志宇 (9)
Grøstl-512 积分区分器的改进	毛 明, 秦志光, 李艳俊 (22)
MANET 网络激励节点协作的信任评估路由协议	许智君, 胡 琪, 张玉军, 叶新铭 (27)
网络计算环境分布式 COW 盘构建方法	谭怀亮, 罗 政, 贺再红, 李仁发 (36)
基于多个独立区分特征的序列密码最优联合区分器	高海英, 金晨辉 (44)
CSRrouter: 服务可扩展的路由器体系结构	吕高峰, 孙志刚, 林雨弦, 陈一骄, 李 韬 (49)
认知异构网络中基于克隆选择算法的动态频谱分配	石 华, 李建东, 李 钊 (59)
实现 MIMO 系统串行干扰消除迫零检测的快速递归算法	殷作亮, 毛兴鹏, 张钦宇, 张乃通 (67)
不可克隆的动态 k 次匿名认证方案	柳 欣, 徐秋亮 (75)
抗自适应泄漏的基于身份加密方案	汤佳惠, 朱艳琴, 罗喜召 (90)
基于人工智能技术的认知无线网络重构决策算法	贺 倩, 冯志勇, 张 平 (96)
面向认知无线电网络能量高效协作感知的在线节点选择算法	杨 威, 管东林, 逯东辉, 彭立宏, 窦文华 (103)
机顶盒参与 P2P 分发的 IPTV 点播业务可行性研究	姜秀艳, 蒲音舒, 刘 嫒, 刘 新, 叶德建 (111)
矢量调制误差测量影响因素分离方法研究	方 宏, 周 鑫, 刘 科, 卞 昕 (119)

技 术 报 告

3D-RABLC: 一种基于 LQI 置信度的三维空间定位求精算法	舒 坚, 刘琳岚, 陈宇斌, 龚佳杰 (125)
基于 RSSI 的传感器网络节点安全定位机制	叶阿勇, 许 力, 林 晖 (135)
基于频域和空域分析的帧内预测模式快速选择算法	詹舒波, 宋建斌, 马 丽, 杨放春 (143)
动态关断资源栅格的异构无线网络基站节能算法	石文孝, 王继红, 赵 颖, 张 阁 (151)
射频预失真器与基带预失真算法结合对行波管功率放大器线性化改善的影响	胡 欣, 王 刚, 王自成, 罗积润 (158)

综 述

因特网时延空间建模的研究	王占丰, 陈 鸣, 邢长友, 李 兵, 仇小锋 (164)
--------------	-------------------------------

学 术 通 信

基于有色信源 MIMO-FIR 信道的盲均衡准则	郭 滨, 白雪梅 (177)
异构无线网络中多模终端多接入选择机制研究	范文浩, 刘元安, 吴 帆 (183)
多小区多用户无线网络下行链路协同波束成形设计	解培中, 郑宝玉, 岳文静 (191)

Contents

Papers

Co-decode algorithm of network coding with hardware logic.....	
.....	LI Hui, ZHANG Ming-long, CHEN Fu-xing, HOU Han-xu, PAN Kai, WANG Wei, YUAN Hu-sheng, SUN Tao (1)
Topology aggregation model based on focus folding for network simulation	
.....	ZHANG Zhao-xin, DU Yue-jin, WANG Ke, DING Zhen-quan, HAO Zhi-yu (9)
Improved integral distinguisher of Grøstl-512.....	MAO Ming, QIN Zhi-guang, LI Yan-jun (22)
Trust evaluation routing protocol to enforce cooperation in mobile ad hoc networks	
.....	XU Zhi-jun, HU Qi, ZHANG Yu-jun, YE Xin-ming (27)
Building method of distributed COW disk on network computing environment.....	
.....	TAN Huai-liang, LUO Zheng, HE Zai-hong, LI Ren-fa (36)
Optimal combined distinguisher of stream cipher with multiple independent distinguishing characters	
.....	GAO Hai-ying, JIN Chen-hui (44)
CSRouter: router architecture for service extensibility.....	LV Gao-feng, SUN Zhi-gang, LIN Yu-xian, CHEN Yi-jiao, LI Tao (49)
Dynamic spectrum allocation based on clone selection algorithm in cognitive heterogeneous wireless networks	
.....	SHI Hua, LI Jian-dong, LI Zhao (59)
Fast recursive algorithm for implementation of MIMO ZF-SIC detection	
.....	YIN Zuo-liang, MAO Xing-peng, ZHANG Qin-yu, ZHANG Nai-tong (67)
Unclonable dynamic k -times anonymous authentication.....	LIU Xin , XU Qiu-liang (75)
Identity-based encryption scheme against adaptive leakage.....	TANG Jia-hui, ZHU Yan-qin, LUO Xi-zhao (90)
Reconfiguration decision making based on artificial intelligence technology in cognitive radio networks.....	
.....	HE Qian, FENG Zhi-yong, ZHANG Ping (96)
Online energy-efficient node selection algorithm for cooperative sensing in cognitive radio networks.....	
.....	YANG Wei, GUAN Dong-lin, LU Dong-hui, PENG Li-hong, DOU Wen-hua(103)
Feasibility study of IPTV video-on-demand system with setbox-participated P2P distribution	
.....	JIANG Xiu-yan, PU Yin-shu, LIU Yuan, LIU Xin, YE De-jian(111)
Study on method of distinguishing influence factors for vector modulation errors measurement	
.....	FANG Hong, ZHOU Xin, LIU Ke, BIAN Xin(119)

Technical Reports

3D-RABLC: a novel refinement algorithm based on LQI confidence for three-dimensional localization	
.....	SHU Jian, LIU Lin-lan, CHEN Yu-bin, GONG Jia-jie(125)
Secure RSSI-based node positioning mechanism for wireless sensor networks.....	YE A-yong, XU Li, LIN Hui(135)
Fast mode selection of intra prediction algorithm based on spatial and frequency analysis	
.....	ZHAN Shu-bo, SONG Jian-bin, MA Li, YANG Fang-chun(143)
Energy-efficient algorithm of base station based on dynamic resource grid shut in heterogeneous wireless networks.....	
.....	SHI Wen-xiao, WANG Ji-hong, ZHAO Ying, ZHANG Ge(151)
Effect on the linearity improvement of TWTA by combining RF predistortion linearizer and digital predistortion algorithm	
.....	HU xin, WANG Gang, WANG Zi-cheng, LOU Ji-run(158)

Comprehensive Review

Research on the modeling of the Internet delay space.....	
.....	WANG Zhan-feng, CHEN Ming, XING Chang-you, LI Bing, QIU Xiao-feng(164)

Correspondences

Blind equalization criteria for MIMO-FIR channels driven by colored signal	GUO Bin, BAI Xue-mei(177)
Research on multi-access selection mechanism for multi-mode terminals in heterogeneous wireless networks.....	
.....	FAN Wen-hao, LIU Yuan-an, WU Fan(183)
Coordinated beamforming design in downlink multi-cell multi-user wireless networks.....	
.....	XIE Pei-zhong, ZHENG Bao-yu, YUE Wen-jing(191)