



中文核心期刊
中国科技核心期刊

ISSN 1000-0801
CN 11-2103/TN

电信科学

Telecommunications Science

第33卷第3期
Vol.33 No.3

2017年3月
Mar. 2017



中国通信学会



人民邮电出版社

中国·北京 Beijing, China

C 目录

研究与开发

蜂窝网络中全双工 D2D 通信功率控制 赵季红,何强,曲桦,栾智荣 [2017056](1)

LTE-Advanced 时隙接入中动态帧长选择算法

段红光,卢松品,王利飞,王胜,李同会,谭丹 [2017060](8)

基于 RSS 空间线性相关的 WLAN 位置指纹定位算法

徐小良,高健,黄河,马哲 [2017064](14)

极化码在 LTE 系统中的应用

许进,陈梦竹,朴璿楠 [2017066](22)

基于毫米波大规模 MIMO 的混合 RZF 预编码算法

谢斌,谢舒阁,刘迷睿 [2017062](29)

一种大象流两级识别方法

严军荣,叶景畅,潘鹏 [2017076](36)

能量高效超密集网络的最优部署

葛亮,王志旭 [2017068](44)

采用双字典协作稀疏表示的光照及表情顽健人脸识别

龚飞,金炜,朱珂晴,符冉迪,曹燕 [2017057](52)

基于 CNN 的连续语音说话人声纹识别

吴震东,潘树诚,章坚武 [2017046](59)

一种基于多天线簇的新型 LTE 室内定位系统

吕亚娟,刘珊,胡荣怡,张文浩 [2017037](67)

基于二分图模型的通信信息网络故障联合定位

崔力民,何清素,王俊生,石欣 [2017077](76)

综述

面向分布式缓存系统的无线资源管理:动机、挑战与方法 王莉,冯志勇,张平 [2017069](83)

电信科学

第 33 卷第 3 期 2017 年 3 月

运营技术广角

- 基于 SDN 的政企 vCPE VPN 业务研究 扶奉超,王 鹏,谢元宝 [2017053](95)
- 基于传送 API 的 POTN 设备建模方法研究和实践 荆瑞泉,胡 骞,赵国永 [2017075](100)
- 基于云安全技术的智慧政务云解决方案 章谦骅,章坚武 [2017063](107)
- 面向网络大数据的安全分析技术应用 汪来富,金华敏,刘东鑫,王 帅 [2017061](112)
- 一种基于保形加密的大数据脱敏系统实现及评估 卞超轶,朱少敏,周 涛 [2017059](119)
- 基于 TEE 的移动终端数据安全研究与实现 陈淑珍,杨敏维,何 晓 [2017036](126)

电力信息化专栏

- 基于大数据的电力信息网络流量异常检测机制 姜红红,张 涛,赵新建,钱 欣,赵天成,高莉莎 [2017031](134)
- 电力云资源池基础架构的设计和实现 杨 宁,罗华永,李 兴,尚 枫,陈 涛,王国霞 [2017073](142)
- 智能光纤监测技术在电力光通信中的应用 王勇峰,娄春娇,刘润宾 [2017052](148)
- “互联网+”核电调试信息化应用 方友文,张福全,叶 亮 [2017055](156)
- 基于决策树的企业信息系统故障自动诊断分析方法 金 鑫,闫龙川,刘 军,张书林 [2017058](163)
- 基于情感神经网络的风电功率预测 张国玲 [2017005](168)

Telecommunications Science

March 2017 (Vol.33 No.3)

- Power control for full-duplex D2D communications underlying cellular networks ZHAO Jihong, HE Qiang, QU Hua, LUAN Zhirong [2017056](1)
- Dynamic frame length selection algorithm for slotted access in LTE-Advanced DUAN Hongguang, LU Songpin, WANG Lifei, WANG Sheng, LI Tonghui, TAN Dan [2017060](8)
- Fingerprint localization algorithm based on linear spatial dependence of WLAN RSS XU Xiaoliang, GAO Jian, HUANG He, MA Zhe [2017064](14)
- Application of polar code in LTE system XU Jin, CHEN Mengzhu, PIAO Jinnan [2017066](22)
- Hybrid RZF precoding algorithm for mmWave massive MIMO system XIE Bin, XIE Shumin, LIU Shurui [2017062](29)
- A two-level method for elephant flow identification YAN Junrong, YE Jingchang, PAN Peng [2017076](36)
- Optimal deployment of energy-efficient ultra-dense network GE Liang, WANG Zhixu [2017068](44)
- Illumination and expression robust face recognition using collaboration of double-dictionary's sparse representation-based classification GONG Fei, JIN Wei, ZHU Keqing, FU Randi, CAO Yan [2017057](52)
- Continuous speech speaker recognition based on CNN WU Zhendong, PAN Shucheng, ZHANG Jianwu [2017046](59)
- A novel LTE indoor location system based on multiple antenna clusters LV Yajuan, LIU Shan, HU Rongyi, ZHANG Wenhao [2017037](67)
- Network fault location based on bipartite graphs for communication and information networks CUI Limin, HE Qingsu, WANG Junsheng, SHI Xin [2017077](76)
- Wireless resource allocation for distributed caching system: motivation, challenge and solution WANG Li, FENG Zhiyong, ZHANG Ping [2017069](83)
- Research on VPN service for government and enterprise customers in SDN-based vCPE networks FU Fengchao, WANG Peng, XIE Yuanbao [2017053](95)
- Research and practice of POTN equipment modeling method based on transport API JING Ruiquan, HU Qian, ZHAO Guoyong [2017075](100)
- Solution for smart government cloud based on cloud security technology ZHANG Qianhua, ZHANG Jianwu [2017063](107)
- Application of security analysis technology for network big data WANG Laifu, JIN Huamin, LIU Dongxin, WANG Shuai [2017061](112)
- Implementation and evaluation of big data desensitization system based on format-preserving encryption BIAN Chaoyi, ZHU Shaomin, ZHOU Tao [2017059](119)
- Research and implementation of data security for mobile terminal based on TEE CHEN Shuzhen, YANG Minwei, HE Yao [2017036](126)
- A big data based flow anomaly detection mechanism of electric power information network JIANG Honghong, ZHANG Tao, ZHAO Xinjian, QIAN Xin, ZHAO Tiancheng, GAO Lisha [2017031](134)
- Design and implementation of electric cloud's resource pool YANG Ning, LUO Huayong, LI Xing, SHANG Feng, CHEN Tao, WANG Guoxia [2017073](142)
- Application of intelligent optical fiber monitoring technology in power optical communication WANG Yongfeng, LOU Chunjiao, LIU Runbin [2017052](148)
- The information technology application of nuclear power station commissioning under the background of internet+ FANG Youwen, ZHANG Fuquan, YE Liang [2017055](156)
- Enterprise information system automatic fault diagnosis and analysis method based on decision tree JIN Xin, YAN Longchuan, LIU Jun, ZHANG Shulin [2017058](163)
- An emotional neural network based approach for wind power prediction ZHANG Guoling [2017005](168)

Chief Editor: Wei Leping

Director: Wu Nada

Sponsor: China Institute of Communications

Posts and Telecommunications Press

Editor: *Telecommunications Science* Magazine Office (F8, You Dian Publisher Building, No.11

Chengshousi Road, Fengtai District, Beijing 100078, China)

General Distribution Office: Beijing Newspapers and Periodicals Distribution Office

Overseas Distributor: China International Book Trading Corporation (P.O.Box 399, Beijing, China)

5G 无线网络及关键技术

杨峰义 谢伟良 张建敏 等 编著

5G Wireless Network and Key Technologies

本书全面讨论了5G移动通信无线网络架构和相关关键技术，内容涵盖5G网络发展与业务需求、5G网络架构、5G智能无线网络架构、无线网控制承载分离技术、多制式协作与融合技术、5G网络资源管理、移动边缘计算、无线网络虚拟化技术、频谱共享技术等不同层面。

本书可供具有一定移动通信技术基础的专业技术人员或管理人员阅读，也可作为通信院校相关专业师生的参考读物。



人民邮电出版社出版

ISBN: 978-7-115-43649-8

出版时间: 2017年2月

定 价: 98元

邮发代号: 2-397 国外代号: M841 定价: 48.00元

万方数据

ISSN 1000-0801

