

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 29 卷第 3 期
Vol.29 No.3

2013 年 3 月
Mar. 2013



中国通信学会



人民邮电出版社

中国·北京

Beijing, China

目录

视点聚焦

- 1 移动互联网崛起对移动网络的影响及对策探讨 周涛,邵震,韦乐平

专题:大数据技术与应用

- 7 电信运营商大数据发展策略探讨 黄勇军,冯明,丁圣勇,樊勇兵
- 12 电信企业大数据分析、应用及管理发展策略 漆晨曦
- 17 大数据处理对电子商务的影响研究 陈云海,黄兰秋
- 22 基于大数据的电信运营业务精确运营平台的构建 刘洁,王哲
- 27 基于云计算的移动互联网大数据用户行为分析引擎设计 陶彩霞,谢晓军,陈康,郭利荣,刘春
- 32 基于大数据分析的互联网业务用户体验管理 康波,刘胜强
- 36 基于 Hadoop 的电信 BSS 大数据平台建设研究 陈娜,徐歆壹,宋红兵,何毅

研究与开发

- 41 云计算应用模式下移动互联网安全问题浅析 房秉毅,张云勇,吴俊,徐雷
- 48 基于混合博弈的虚拟网络动态资源分配模型 王宇,徐名海,迟欢,苏喜娟
- 56 一种基于跨层反馈信息的下行 OFDMA 资源分配策略 尹逊官,冯辉,杨涛,胡波
- 62 云计算差异化安全技术研究 李冬梅,尹式钧,陈剑勇
- 66 基于合并的 DTN 订阅查询传输协议 曹佩,钱江波,陈叶芳,陈华辉

Huahuan 北京华环电子股份有限公司

“使信息更加通畅,为顾客创造价值”

- ◆ 致力于为运营商提供创新性的电信级接入解决方案
- ◆ 成立于1989年1月,清华大学控股的高新技术企业
- ◆ 二十年光接入经验,国内光接入领域的技术引领厂家
- ◆ 产品大规模成功应用于国内外主流运营商

地址:北京市海淀区上地六街26号 电话:010-52046188 网址:www.huahuan.com

电信科学

第 29 卷第 3 期 2013 年 3 月

- 73 基于多层多维的环境感知模型研究 徐 玉,徐明海,苏喜娟
- 81 基于代理的异构云认证方案 郭继文,周贤伟
- 85 基于 PACDP 的全动态加密方案的一种攻击方法 王 政,丁 勇,李新国,柳 毅
- 90 云计算环境下一种面向科学工作流不确定数据源的视图构造方法 胡海洋,刘占晨,胡 华
- 101 融入能力互补因素的生产联盟伙伴选择研究 琚春华,傅小康

综 述

- 111 高效中继通信技术综述与展望 余 欢,李云洲,栗 欣,王 京
- 117 SDN 架构及安全性研究 王淑玲,李济汉,张云勇,房秉毅

运营创新论坛

- 123 电信运营商云计算体系架构思考 李 卫,李济汉,张云勇,汪 芳
- 128 Ev-Do 多流业务 T2P 算法研究与应用 郑亚忠,张志华
- 136 构建以用户为中心的智慧城市信息服务系统 林曙光,郭燕辉,张云勇,陈晓明
- 141 一种网络指标数据预测的方法 倪志刚
- 147 WDM PON 设备浅析 宋国栋

简讯 47, 55, 89, 110, 116, 127, 135

Huahuan 北京华环电子股份有限公司

- ◆ MSAP多业务接入平台
- ◆ SDH/MSTP STM-1/4/16光传输设备
- ◆ PDH光传输设备
- ◆ PCM综合业务复用设备
- ◆ 协议转换器设备
- ◆ 光纤收发器设备
- ◆ TDM over IP设备等

地址:北京市海淀区上地六街26号 电话:010-52046188 网址:www.huahuan.com

Telecommunications Science

March 2013 (Vol.29 No.3)

- Analysis and Strategies for the Impacts of the Rising of Mobile Internet Service on the Mobile Network
..... Zhou Tao, Shao Zhen, Wei Leping(1)
- Big Data Development Strategy for Telecom Operators Huang Yongjun, Feng Ming, Ding Shengyong, Fan Yongbing(7)
- Big Data Analysis and Management in Telecommunications Qi Chenxi(12)
- Study on the Impact of Big Data Processing in Electronic Commerce Chen Yunhai, Huang Lanqiu(17)
- Construction of Carrier Business Precise Operating Platform Based on Big Data Liu Jie, Wang Zhe(22)
- Design of Mobile Internet Big Data User Behavior Analysis Engine Based on Cloud Computing
..... Tao Caixia, Xie Xiaojun, Chen Kang, Guo Lirong, Liu Chun(27)
- Management of the User Experience Based on the Big Data Analysis Kang Bo, Liu Shengqiang(32)
- Research on Big Data System of Telecom Based on the Hadoop Chen Na, Xu Xinyi, Song Hongbing, He Yi(36)
- Analysis on Mobile Internet Application Security Issues Based on the Cloud Computing Mode
..... Fang Bingyi, Zhang Yunyong, Wu Jun, Xu Lei(41)
- Model Oriented Dynamic Resource Allocation Based on Mixed-Game Theory Within Virtual Network
..... Wang Yu, Xu Minghai, Chi Huan, Su Xijuan(48)
- Scheduling and Resource Allocation in OFDMA Downlink Systems Using Cross-Layer Feedback
..... Yin Xungong, Feng Hui, Yang Tao, Hu Bo(56)
- Study on Differentiated Security Service Based on Cloud Computing Li Dongmei, Yin Shijun, Chen Jianyong(62)
- Merger-Based Subscription Query Transport Protocol in DTN Cao Pei, Qian Jiangbo, Chen Yefang, Chen Huahui(66)
- Study on Context-Aware Model Based on Multi-Level and Multi-Dimension Xu Yu, Xu Minghai, Su Xijuan(73)
- Authentication Scheme Based on Agents for Heterogeneous Cloud Guo Jiwen, Zhou Xianwei(81)
- A Method to Attack the FHE Schemes Based on the Hardness of PACDP
..... Wang Zheng, Ding Yong, Li Xinguo, Liu Yi(85)
- Constructing View of Uncertain Data Provenance for Scientific Workflow in Cloud Computing
..... Hu Haiyang, Liu Zhanchen, Hu Hua(90)
- Research on Manufacture Partner Selection with Competence Complementary Operator
..... Ju Chunhua, Fu Xiaokang(101)
- Energy Efficient Relay Communication Technology: Overview and Prospects
..... Yu Huan, Li Yunzhou, Su Xin, Wang Jing(111)
- Research on SDN Architecture and Security Wang Shuling, Li Jihan, Zhang Yunyong, Fang Bingyi(117)
- Study on Cloud Computing Architecture for Telecom Operators Li Wei, Li Jihan, Zhang Yunyong, Wang Fang(123)
- Research on T2P Algorithm and Its Application on Multiflow Service in Ev-Do System
..... Zheng Yazhong, Zhang Zhihua(128)
- Building the User-Oriented Information Service System of Smart City
..... Lin Shuguang, Guo Yanhui, Zhang Yunyong, Chen Xiaoming(136)
- A New Method of Network Index Data Forecast Ni Zhigang(141)

Chief Editor: Yi Dongshan

Vice Chief Editor: Wu Nada

Sponsor: China Institute of Communications

Posts and Telecommunications Press

Editor: *Telecommunications Science* Magazine Office (Room 602-608, F6, Talent International Building, No.80 East

Section of Guangqumennei Avenue, Dongcheng District, Beijing 100062, China)

General distribution office: Beijing Newspapers and Periodicals Distribution Office

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