

目 录

特别策划:移动支付技术与应用

- | | | |
|----|-------------------------------|---------------|
| 1 | 基于电信级网络营造“随时随地和诚信安全”的电子支付服务环境 | 陈晓勤,钱守廉 |
| 6 | 电信运营商的移动支付产品商业模式探讨 | 刘挺,华皓,姚俊昊,张建宇 |
| 12 | 手机非接触支付的技术标准比较分析 | 陈洪,李真,张明杰,林正汉 |
| 16 | 基于统一账号的电信运营商全业务支付体系探索 | 李真,张明杰,奚中德 |
| 20 | 基于 2.4 GHz 载频的“翼支付”安全认证研究 | 李峰,陈晓勤,钱守廉 |
| 26 | 移动支付平台建设实践与探索 | 汪树东,柯卫,董亚楠 |

专题:3G 时代运营与营销

- | | | |
|----|-----------------------|---------|
| 31 | 基于价值链的 3G 时代电信运营商平台战略 | 孙丽娟,方义松 |
| 37 | 3G 时代的精细化渠道运营支撑 | 梁伯瀚,柯晓燕 |
| 42 | 国内 3G 终端销售组织及策略探讨 | 李俭伟 |
| 46 | 移动终端信息的营销应用探讨 | 柯晓燕,梁伯瀚 |
| 51 | 3G 产品的开放式创新 | 张廷权 |
| 56 | 3G 移动增值业务全程精确营销实践 | 陈志竞,梁伯瀚 |
| 60 | 3G 时代的营业厅效能评估 | 李辉娥,柯晓燕 |

云计算专栏

- | | | |
|----|------------------|-----------------|
| 64 | 云计算安全关键技术分析 | 张云勇,陈清金,潘松柏,魏进武 |
| 70 | 云计算密钥管理框架研究 | 孙磊,戴紫珊,郭锦梯 |
| 74 | 云计算服务与大规模定制模式应用 | 吴清烈,郭昱,武忠 |
| 79 | 基于云存储的在线备份安全技术研究 | 刘国萍,谭国权,杨明川 |

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:010-62981998 网址:www.huahuan.com

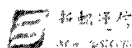
- 84 基于云计算平台的手写识别系统
90 云计算环境中在线迁移技术研究
95 一种云计算环境下的安全模型

何 聪,金连文,周贵斌
兰雨晴,申 睿,刘 铭
林果园,贺 珊

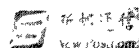
研究与开发

- 100 基于 NGOSS 的移动通信网络投诉支撑平台研究
106 一种 DDoS 攻击的检测算法
111 一种可控 P2P 文件下载算法
118 虚拟载波侦听机制对 EDCA 性能的影响
123 双网融合可视电话业务模式分析与架构设计
129 基于混合智能优化算法的生理信号情感识别

郭建华,向 华
杨 松,李宗林
庞 涛,黄 海,龙 斌,武 娟
张 牧,严军荣
廖永红
王海宁,孙守迁,吴剑锋



TD 与 LTE 技术创新论坛



- 136 TD-LTE 基站产品规划研究
143 LTE 系统的正交重复累积码设计

许灵军,邓 伟,程广辉,杨 光
何 勃,袁 伟,马 卓,赵 彦



运营与应用

- 147 BSM:“以业务为中心”的 IT 管理
153 3G 无线视频监控业务发展状况及策略分析

孙 维
赵胜男



产品与方案

- 157 烽火通信 PTN 全业务 QoS 解决方案浅析

杨 明



简讯 11,78,89,94,105,110,122,128,135,142,156,159-160

热烈祝贺华环成功入围 中国电信集团2010年光纤收发器集采 中国联通集团2009年MSAP设备集采

- ◆ 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:010-62981998 网址:www.huahuan.com

Telecommunications Science

September 2010 (Vol.26 No.9)

Construction of "Anytime-Anywhere, Credit-Guaranteed" Environment of Electronic Payment Services	Chen Xiaoqin, Qian Shoulian(1)
Business Model of Mobile Payment Products in Telecom Operators	Liu Ting, Hua Hao, Yao Junmin, Zhang Jianyu(6)
Comparative Analysis of Mobile Contactless Payment Technology Standard	Chen Hong, Li Zhen, Zhang Mingjie, Lin Zhenghan(12)
Full Service Payment System Architecture of Operator Based on Unified Account	Li Zhen, Zhang Mingjie, Xi Zhongde(16)
Research of Security and Authentication System for e Surfing Payment Based on 2.4 GHz Carrier Wave	Li Feng, Chen Xiaoqin, Qian Shoulian(20)
Functional Scheme of Mobile Payment Platform	Wang Shudong, Ke Wei, Dong Yanan(26)
Platform Strategy of Telecom Operators in 3G Era Based on Value Chain Perspective	Sun Lijuan, Fang Yisong(31)
Fine Channel Operation Support in 3G Era	Liang Bohan, Ke Xiaoyan(37)
Discuss of 3G Handset Distributing Organization in Chinese Domestic Market	Li Jianwei(42)
Study of Mobile Terminal Information Application in Mobile Service Marketing	Ke Xiaoyan, Liang Bohan(46)
Open Innovation System of User Participation in 3G Services Development	Zhang Tingquan(51)
Precise Marketing Practice of 3G Mobile Value-Added Services	Chen Zhijing, Liang Bohan(56)
Performance Assessment of Telecom Operator's Business Office in 3G Era	Li Hui'e, Ke Xiaoyan(60)
Key Security Technologies on Cloud Computing	Zhang Yunyong, Chen Qingjin, Pan Songbai, Wei Jinwu(64)
Research on Key Management Framework of Cloud Computing	Sun Lei, Dai Zishan, Guo Jindi(70)
Study on Cloud Computing Services and Mass Customization Applications	Wu Qinglie, Guo Yu, Wu Zhong(74)
Research Security for Online Backup Based on Cloud Storage	Liu Guoping, Tan Guoquan, Yang Mingchuan(79)
Handwriting Recognition System Based on Cloud Computing Platform	He Cong, Jin Lianwen, Zhou Guibin(84)
Live Migration and Its Application in Cloud Computing	Lan Yuqing, Shen Qian, Liu Ming(90)
A Security Model Adapted in Cloud Computing	Lin Guoyuan, He Shan(95)
Study on Mobile Network Complaint Support Platform Based on NGOSS	Guo Jianhua, Xiang Hua(100)
DDoS Attack Detection Algorithm	Yang Song, Li Zonglin(106)
An Algorithm for Controllable P2P File Downloading	Pang Tao, Huang Hai, Long Bin, Wu Juan(111)
Performance Impact of Virtual Carrier Sensing Mechanism on EDCA	Zhang Mu, Yan Junrong(118)
Dual-Network Collaborative Communications Business Model and Architecture Design	Liao Yonghong(123)
Research on Emotion Recognition with Physiological Signals Based on Hybrid Intelligent Optimization Algorithm	Wang Haining, Sun Shouqian, Wu Jianfeng(129)

Chief Editor : Liang Haibin

Sponsor: China Institute of Communications

Posts and Telecommunications Press

Editor: *Telecommunications Science* Magazine Office (Room 602-607, F6, Talent International Building, No.80 East

Section of Guangqumennei Avenue, Chongwen 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)