

原书缺封面

C 目录

视点聚焦

- 1 用于大容量光传输系统的新型光纤 李明军, 陈皓

专题: OSS/BSS 和 ITSM 系统

- 17 OSS/BSS 一体化及其与 ITSM 的融合 王亚石, 闵丽娟, 周严
- 24 OTT 的运营支撑系统需求 余鹏武, 张磊
- 29 电信运营商 BOSS 建设流程分析与探讨 谢晓军, 胡建军
- 33 电信企业 IT 互联网化目标架构及演进策略研究 李嫚, 乔宏明, 姚文胜
- 38 集约化运营下智能网管体系规划研究 周平利, 王燕川, 阳志明
- 43 GIS 技术在 OSS/BSS 中的应用 孙志, 李凌, 刘师哲

研究与开发

- 48 软件定义的云数据中心网络基础理论与关键技术 李丹, 刘方明, 郭得科, 何源, 黄小猛
- 60 区域空间应急通信系统研究 何维, 谢人超, 黄韬, 刘人锋
- 67 基于用户偏好的异构网络选择算法研究 杨存, 赵季红, 赵庶源
- 73 基于子载波配对的多用户协作中继系统资源分配算法 陈斌, 李有明, 郭涛, 雷鹏, 刘小青
- 79 一种新型的 OFDMA 比例公平资源分配算法 吴耀辉, 李有明, 邵鹏飞
- 86 地球站间干扰保护距离的研究
——卫星固定业务地球站对近地空间研究业务地球站的干扰保护距离 李建欣, 杨文翰

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”

- 专业的电信级通信设备制造商
- 25年专注于光传输接入领域
- 依托清华大学的技术支撑，始终秉承着自主创新精神
- 产品行销全国33个省市，积极参与国际市场的竞争
- 军工级的产品质量保证

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 30 卷第 6 期 2014 年 6 月

90 虚拟网络映射最小费用流模型及算法 陈晓华,李春芝,陈良育,曾振柄

95 基于 MIMO-OFDM 的高频段 Gbit/s 通信系统设计和实现
彭俊宇,蔡孙增,朱正航,徐景,周婷

102 基于可信控制中心的量子密钥中继方案 蒋韶生,池瑞楠,温晓军

综 述

108 公共云服务认证进展研究 郭丰,栗蔚

111 NG-PON2 技术进展及其应用研究 蒋铭,沈成彬,金嘉亮

运营技术广角

118 运营商存量经营大数据平台及其关键技术研究
“基于大数据的互联网化存量经营”项目组,“基于用户感知的运维转型”项目组

126 基于信息价值链的电信运营商大数据策略研究 陶承怡,马小梅

131 电信 IP 网向 SDN 演进的探讨 何晓明,冀晖,毛东峰,唐宏

138 基于电信大数据的数据建模平台研究 沈雷明,别志铭

142 智能光纤基础设施管理技术研究 曾涛,沈成彬,蒋铭

148 ROADM 在光层组网中的配置及应用 赵春华

152 基于大数据分析的网络异常检测方法 曹旭,曹瑞彤

简讯 15,23,59,66,125

Huahuan 北京华环电子股份有限公司

- 以SDH+MPLS-TP理念打造全新MSAP系统
- PTN/MSTP传输设备
- PCM光电一体化综合传输接入平台
- “PTN/EDD/SDH/PDH/企业网关/光纤收发器”系列化接入终端设备
- MIT系列应急通信设备

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

June 2014 (Vol.30 No.6)

- Novel Optical Fibers for High-Capacity Transmission System *Li Mingjun, Chen Hao*(1)
- Fusion of OSS/BSS and ITSM Systems in ICT Industry *Wang Yashi, Min Lijuan, Zhou Yan*(17)
- Operation Support System Requirement of OTT *Yu Pengwu, Zhang Lei*(24)
- Analysis and Discussion of BOSS Construction Processes of Telecom Operators *Xie Xiaojun, Hu Junjun*(29)
- Study of IT Internet Target Architecture and Evolution Strategy of Telecom Enterprise
..... *Li Man, Qiao Hongming, Yao Wensheng*(33)
- Study of Intelligent Network Management System in Intensive Operation
..... *Zhou Pingli, Wang Yanchuan, Yang Zhiming*(38)
- Application of GIS Technology in OSS/BSS *Sun Zhi, Li Ling, Liu Shizhe*(43)
- Fundamental Theory and Key Technology of Software Defined Cloud Data Center Network
..... *Li Dan, Liu Fangming, Guo Deke, He Yuan, Huang Xiaomeng*(48)
- Research on Regional Spatial Emergency Communication System
..... *He Wei, Xie Renchao, Huang Tao, Liu Renfeng*(60)
- Research on Network Selection Algorithm Based on User Preference in Heterogeneous System
..... *Yang Cun, Zhao Jihong, Zhao Shuyuan*(67)
- A Resource Allocation Algorithm Based on Subcarrier Pairing in Multi-User Cooperative Relay Communication
..... *Chen Bin, Li Youming, Guo Tao, Lei Peng, Liu Xiaoqing*(73)
- A Novel Resource Allocation Algorithm for OFDMA System with Proportional Fairness
..... *Wu Yaohui, Li Youming, Shao Pengfei*(79)
- Research on Protection Distances for Interference Between Earth Stations
——Protection Distances for Interference from Fixed-Satellite Earth Stations to Space Research Earth Stations
..... *Li Jianxin, Yang Wenhan*(86)
- Minimum Cost Flow Model and Algorithm of Virtual Network Embedding
..... *Chen Xiaohua, Li Chunzhi, Chen Liangyu, Zeng Zhenbing*(90)
- Design and Implementation of High Frequency Broadband Gbit/s System Based on MIMO-OFDM
..... *Peng Junyu, Cai Sunzeng, Zhu Zhenghang, Xu Jing, Zhou Ting*(95)
- Quantum Key Relay Scheme Based on Trusted Control Center *Jiang Shaosheng, Chi Ruinan, Wen Xiaojun*(102)
- Research on the Progress of Certification Regarding on Public Cloud Service *Guo Feng, Li Wei*(108)
- Research on Development and Application of NG-PON2 *Jiang Ming, Shen Chengbin, Jin Jialiang*(111)
- Research on Big Data Platform and Key Technologies for Inventory Management of Carriers
Project Team of Big Data for Inventory Management, Project Team of User Aware Network Operation and Maintenance(118)
- Research on Big Data Strategy of Telecom Carriers Based on Information Value Chain Theory
..... *Tao Chengyi, Ma Xiaomei*(126)
- Discussion of Evolution of Carrier IP Network to SDN *He Xiaoming, Ji Hui, Mao Dongfeng, Tang Hong*(131)
- Research on Data Modeling Platform Based on Big Data of Telecom *Shen Leiming, Bie Zhiming*(138)
- Research on Intelligent Optical Fiber Infrastructure Management Technology
..... *Zeng Tao, Shen Chengbin, Jiang Ming*(142)
- Configuration and Application of ROADM in Optical Layer Networking *Zhao Chunhua*(148)
- Network Anomaly Prediction Method Based on Big Data *Cao Xu, Cao Ruitong*(152)

Chief Editor: Yi Dongshan

Vice Chief Editor: 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 100164, China)

General Distribution Office: Beijing Newspapers and Periodicals Distribution Office

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

原书缺封底