

广播与电视技术

2018 2

Radio & TV Broadcast Engineering



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目 次

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中国邮政
微信订阅

2018 年 | 第 45 卷 | 第 2 期

2017 年广科院、规划院学术交流会专栏

- | | |
|-------------------------|----|
| 16 基于管理平台的互联网电视服务地址溯源技术 | 何晶 |
| 19 广播电视智慧融媒体研究 | 孔彬 |
| 23 媒体融合语境下的人工智能 | 王磊 |

热点·论点

智能家庭网关

- | | |
|-----------------------------|---------|
| 27 基于广电家庭智能网关的语音交互控制的研究和应用 | 潘在友, 王斌 |
| 33 TVOS 智能家庭网关在广电智能家居中的应用研究 | 杨大伟 |

快言快语

- | | |
|--------------------|-----|
| 38 “有线电视用户流失”的性质浅思 | 罗小布 |
|--------------------|-----|

内容制播

- | | |
|-------------------------|-----------------------|
| 40 基于汇聚平台的内容生产筹备系统设计 | 徐俭, 赵伟, 王以俭, 何凤鸣, 经国伟 |
| 45 基于融媒体平台的广播新闻访谈节目录制实践 | 田喜艳 |
| 48 基于音频嵌入的字幕远程控制技术应用 | 郑磊 |
| 54 自动混音技术研究及在广播节目制作中的应用 | 魏健浩 |
| 58 播出智能监控系统的设计与应用 | 李晓, 吴永生 |
| 63 电视台卫星车高清化改造 | 周士勇, 李超, 罗信海 |

有线网络

- | | |
|--|----------------------------|
| 66 省级广电网络企业标准体系建设实践 | 林宝成, 陈起 |
| 70 基于有线电视网络分发 4K 内容的“央视专区”数字版权管理系统架构研究 | 简维毅, 黄弘, 戈媚青, 杨木伟, 姚琼, 周施真 |
| 75 新形势下有线机房站点规划研究 | 孙文芳 |
| 78 “雪亮工程”在有线电视网络中的建设与应用 | 张冬 |
| 82 广播电视定向催费系统研究与设计 | 张宝利 |



《广播与电视技术》是由国家新闻出版广电总局主管，国家新闻出版广电总局广播电视规划院主办，信息研究所编辑出版的国家级技术期刊；是发布广播电视科技政策，反映事业建设成就，介绍高新技术，交流工作经验，传播各种信息的重要媒体。本刊主要面向各级广播电视行业主管部门、各级广播电台、电视台、网络公司、发射台、微波站、卫星站、节目制作单位及电教系统，同时对企业、工矿、学校、部队等具有公共广播电视设施的管理人员、技术人员也有参考价值。

为繁荣学术交流，本刊已加入《中国学术期刊网络出版总库》、“万方数据”和“维普中文科技期刊数据库”，有权选取部分论文在本刊关联平台（如广电猎酷网 www.lieku.tv、“广电猎酷”微信公众号等）发布，作者著作权使用费已随论文稿酬一次性给付。本刊充分尊重作者的原创成果并合理保护作者享有的权利，如作者不同意本刊之外其他形式的发布，请在来稿中声明，本刊将作适当处理。本刊及主办单位对本刊已发布作品的内容和观点不持有任何立场、不做出任何承诺或保证、不承担任何责任。

目次

全国百种重点期刊 专业核心科技期刊
tougao.lieku.tv



中国邮政
微信订阅

2018年 | 第45卷 | 第2期

无线覆盖

- 86 浅析高山和海岛发射台中央无线覆盖工程建设经验及场强覆盖测试 **白徐潮**
- 91 基于低压电力线通信系统传输地面数字电视广播信号可行性研究 **王天瑜**
- 95 调频频段数字音频广播智能组网方案研究 **吴敏**
- 98 中波调幅广播发射机自动开关机装置故障分析及处理 **刘雪梅**

安全播出与监测

- 100 基于云服务的省级 DTMB 监测系统设计 **艾杰, 朱泉威**
- 105 卫星地球站监测监控系统配置优化方案设计与实施 **覃仕嶺, 阮太中**
- 109 食品药品广播电视舆情监测系统设计与实现 **韦月琼, 覃国孙, 闭敏**

论述·点评

- 112 新形势下广播影视科研机构创新生态建设 **杜国柱**

行业聚焦

- 116 京津冀三地携手扎实推进广电科技协同发展

业界纵横 国内简讯 P118 国外动态 P120 厂商专讯 P122

广告索引 P124



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2018年 | 第45卷 | 第2期

〔16〕 基于管理平台的互联网电视服务地址溯源技术

为了支撑关于各地管理机构对互联网视听节目服务单位及接入服务实施相应的监督管理的要求，需要通过开展互联网电视服务地址溯源分析，找出节目服务平台的主体和位置信息，为相关部门对其进行合规性认定提供有效帮助。本文提出了基于管理平台的互联网电视服务地址溯源系统的实现和设计方案，可资参考。

〔27〕 基于广电家庭智能网关的语音交互控制的研究和应用

智能家居网关作为智慧家庭的主要入口终端设备之一，将为用户提供家庭媒体中心、家庭网络中心、家庭智能中心和家庭通讯中心等四大基础功能。如何利用语音识别、语音交互技术的科技红利提升广电网络视频业务的用户体验，实现业务转型是广电网络运营商产品创新研究的一大方向。本文基于家庭智能网关产品进行了语音交互控制的研究和应用，值得进一步探索与和借鉴。

〔40〕 基于汇聚平台的内容生产整备系统设计

为适应互联网时代媒体内容生产方式的转变，扬州广电传媒集团（总台）在融媒体生产平台布局之先设计并建设了台内内容生产整备系统，满足了当下传统媒体和新兴媒体内容生产及节目制作的需求，拓展了生产手段，提高了生产效率，对新的内容生产和节目制作方式进行了探索。本文介绍这一系统的成功实施经验和实践体会，希望对其他台具有一定的指导意义和借鉴价值。

〔66〕 省级广电网络企业标准体系建设实践

国家倡导和鼓励企业制定高于国家标准、行业标准、地方标准，具有竞争力的企业标准。江苏有线在实际工作中意识到，企业标准化体系建设对于有线网络运营商至关重要，其以“简化、统一、协调、优化”为原则，以标准体系统筹管理体系，以标准体系建设引导制度建设，以标准体系建设协助公司发展的省级广电网络企业标准体系建设实践，能在一定程度上拓展业界同仁的思路。

〔86〕 浅析高山和海岛发射台中央地面数字电视无线覆盖工程建设经验及场强覆盖测试

随着中央无线覆盖工程的深入推进，各地地面数字电视覆盖工作已进入第二阶段。本刊陆续刊登多篇相关文章，介绍城市覆盖、偏远地区覆盖的规划和建设经验。本文主要涉及了高山和海岛发射台的地面数字电视覆盖工程建设和测试情况，各具独特性，其经验值得相关广播电视发射台站借鉴。

〔100〕 基于云服务的省级 DTMB 监测系统设计

本文介绍的基于大数据云平台的省级地面数字广播电视统一监测系统，可对全省的 DTMB、CDR 节目信号按照前端采集、云计算处理、省中心监控的工作模式进行监测和监控，对保障数字广播电视的安全播出具有重要意义。实现省级 DTMB、CDR 覆盖情况的实时动态监测，实现与全媒体综合监测监管平台联网，实时共享监测数据，将为数字广播电视业务的大发展提供有利保障。



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Contents

One of Hundred National Key Periodicals
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 tougao.lieku.tv

February 2018 No.2

Special Column of ABS and ABP's Academic Communication 2017

- 16 Management Platform Based Address Tracing Technology for Internet TV Services *By He Jing*
- 19 Study on Intelligent Convergent Media for Broadcasting *By Kong Bin*
- 23 Artificial Intelligence in Media Convergence *By Wang Lei*

Smart Home Gateway

- 27 Research on Voice Interaction Controlling of Intelligent Home Gateway in Cable Network *By Pan Zaiyou, Wang Bin*
- 33 TVOS Based Smart Home Gateway in Cable Network for Smart Home *By Yang Dawei*

Straightforwardness

- 38 Thinking of Customer Loss for CATV *By Luo Xiaobu*

Content Production & Broadcasting

- 40 Design of Content Arrangement and Preparation System Based on Convergence Platform *By Xu Jian, Zhao Wei, Wang Yijian, He Fengmin, Jing Guowei*
- 45 Radio News Interview Program Recording Based on Convergent Media Platform *By Tian Xiyan*
- 48 Application of Subtitle Remote Controlling Technology Based on Audio Embedding *By Zheng Lei*
- 54 Automatic Audio Mixing and Its Application in Broadcasting Program Production *By Wei Jianhao*
- 58 Design and Application of Intelligent Broadcasting Monitoring System *By Li Xiao, Wu Yongsheng*
- 63 HD Reform of DSNG in TV Station *By Zhou Shiyong, Li Chao, Luo Xinhai*

CATV

- 66 Enterprise Standard System Construction for Provincial Broadcasting Network *By Lin Baocheng, Chen Qi*
- 70 Research on the Architecture of CCTV DRM System for 4K Content Distributing Based on Cable Network *By Jian Weiyi, Huang Hong, Ge Meiqing, Yang Muwei, Yao Qiong, Zhou Shizhen*
- 75 Study on CATV Room Planning Under the New Situation *By Sun Wenfang*
- 78 Construction and Application of the "Xueliang Project" in Cable Network *By Zhang Dong*
- 82 Design of Orientated Charging System for Broadcasting *By Zhang Baoli*

Wireless Coverage

- 86 DTMB Project Construction and Field Strength Coverage Test in Transmitting Station on Mountains and Islands *By Bai Xuchao*
- 91 Study on Low Voltage Powerline Communication System for DTTB *By Wang Tianyu*
- 95 Research on Intelligent Network Scheme for FM Digital Audio Broadcasting *By Wu Min*
- 98 Trouble Shooting of Automatic Switching Device in AM Transmitter *By Liu Xuemei*

Safety Broadcasting & Monitoring

- 100 Cloud Service Based Monitoring System for Provincial DTMB *By Ai Jie, Zhu Quanwei*
- 105 Configuration Optimization of Monitoring and Controlling System in Satellite Earth Station *By Qin Shiling, Ruan Taizhong*
- 109 Design and Implementation of Public Opinion Monitoring System for Food and Drug Broadcasting *By Wei Yueqiong, Qin Guosun, Bi Min*

Elaboration & Commentary

- 112 Innovative Ecological Construction of Radio, Film and TV Research Institution Under the New Situation *By Du Guozhu*



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One of Hundred National Key Periodicals

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tougao.lieku.tv

Index

February 2018 No.2

[16] Management Platform Based Address Tracing Technology for Internet TV Services

Local management agencies hope to be supported in the supervision of Internet video program service company and the accessing services, so address tracing analysis of Internet TV services is requested to find out the program service platform and its location. This is an effective assistance for compliance cognizance. This paper proposes a management platform based address tracing system of Internet TV for reference.

[27] Research on Voice Interaction Controlling of Intelligent Home Gateway in Cable Network

Intelligent home gateway is one of the main terminals in smart home, which provides four basic functions: home media center, home network center, home intelligent center and home communication center. Making good use of voice recognition and interaction technology to promote user experience of video business and to transform the broadcasting business, has been a direction of production innovation for broadcasting operators. This paper researches on voice interaction controlling of intelligent home gateway. It is worth to be reference.

[40] Design of Content Preparation System Based on Convergence Platform

In order to adapt to the new media content production mode in the Internet Era, Yangzhou Radio and Television Media Group designs and builds an intra-station content preparation system for convergent media production, which meets the content production of both traditional media and new media. It expands the production means and improves the production efficiency. It explores new methods of content production and program production. This paper introduces the successful implementation and practical experience of this system, which is of value as guide and reference.

[66] Enterprise Standard System Construction for Provincial Broadcasting Network

The state advocates and encourages enterprises to develop competitive enterprise standards, which are more rigorous than national standards, industry standards and local standards. Jiangsu Broadcasting Cable Information Network Co. Ltd. realizes in practice that the enterprise standard is important to CATV operators. Based on the principle of "simplification, unification, coordination and optimization", they standardize the management system, system construction and the provincial broadcasting network enterprise standard construction. Help to open thoughts for peers.

[86] DTMB Project Construction and Field Strength Coverage Test in Transmitting Station on Mountains and Islands

With the propelling of central wireless coverage project, the development of DTMB project has moved into the second stage. Some related papers, which introduce the DTMB planning and construction in cities and isolated areas, have been already published on this journal. This paper refers to the DTMB project construction and testing in transmitting station on mountains and islands. Each has its own unique experience, and is worthy of reference to broadcasting transmitting stations.

[100] Cloud Service Based Provincial DTMB Monitoring System

This paper introduces a provincial DTMB monitoring system based on big data cloud platform, which could monitor and supervise all provincial DTMB CDR programs through a work flow of gathering, cloud computing and provincial center monitoring. This system is of great significance to ensure the safe broadcasting of digital radio and television. To achieve real-time dynamic monitoring of provincial DTMB and CDR coverage, to connect with the integrated omni-media monitoring and supervision platform and to share monitoring data in real-time, will favorably protect the development of digital broadcasting business.