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《广播与电视技术》是由国家广播电视总局主管，国家广播电视总局广播电视规划院主办，《广播与电视技术》编辑部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.cn、“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、不做任何承诺或保证、不承担任何责任。

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[12] 省、市、县级的应急广播体系建设方案

应急广播是党和政府发布应急信息的重要渠道，是国家应急体系和国家公共服务体系的重要组成部分。省级应急广播平台包含了省、市、县三级架构，本文对系统整体设计、硬件设备、运行流程等进行了介绍。

[30] 广电数字媒体版权区块链管理平台的设计建设

2020年，国家发改委正式将区块链纳入首次明确的“新基建”范围。本文所述的媒体内容版权区块链平台利用区块链技术，具有分布式数据记录存储、点对点传输、共识机制、智能合约、加密算法等技术特点，以及去中心、难篡改、可溯源、开放透明等优点，能在一定程度上解决传统版权保护模式下，对视音频、文章和图片等内容保护效率低、操作难度大、确权时效差、保护成本高、取证维权难、维权周期长等问题，为版权保护和内容的有效利用开辟了一条新路，可咨业界同行借鉴。

[60] 基于广电智能终端的可运营游戏平台解决方案设计与实现

如何依托广播电视网络开展多种业务运营，不断提升网络增值能力一直是广电网络运营商探索的课题之一。本文在我国游戏产业迅猛发展的大背景下，提出了基于广电智能终端的可运营游戏平台全套解决方案，并重点介绍了方案中部分系统的设计与实现，可供参考。

[82] 发射台三阶互调干扰民航通讯的分析与实践

随着民航事业的发展以及各地调频覆盖网的逐步建设，空中无线电波变得越来复杂，保障广电发射台站在民航频段不产生干扰信号变得尤为重要。玉溪市经过多年实践，总结出调频发射互调干扰信号落入民航频段的解决办法，有助于对覆盖范围和台站频率的科学规划。

[105] 基于广电安全运营大脑的县级融媒体中心网络安全等保2.0合规建设研究

在安全等保2.0的要求下，如何建设符合等保2.0的县级融媒体中心并保证网络安全的可持续性，已经成为县级融媒体中心建设与运维的重要课题。基于大数据分析技术的广电安全运营大脑可以对各类安全数据进行综合分析，实现对安全事件的预警、预测、预防，可为县级融媒体中心等保2.0建设能够提供更好更强更前沿的安全保障能力。



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[12] Construction Scheme of Emergency Broadcasting System at Provincial, Municipal and County Level

Emergency broadcasting is an important channel for the party and government to release emergency information, and an important part of national emergency system and national public service system. Provincial-level emergency broadcasting platform includes a three-level architecture of province, city and county. This paper introduces overall design, hardware equipment, and operating procedures of the system.

[30] Design and Construction of Digital Media Copyright Blockchain Management Platform in Radio and TV

In 2020, National Development and Reform Commission officially brought blockchain into first clear scope of "new infrastructure". Media content copyright blockchain platform described in this paper uses blockchain technology and has technical features such as distributed data recording and storage, point-to-point transmission, consensus mechanism, smart contract, and encryption algorithm, as well as advantages of decentralized, hard to tamper, traceable, open and transparency, etc., can solve the problems of low protection efficiency, difficult operation, poor timeliness of right confirmation, high protection cost, difficulty in obtaining evidence and long protection period for video, audio, articles, pictures and other content under traditional copyright protection mode to a certain extent. It has opened up a new path for copyright protection and effective use of content, which can be used for reference by peers in the industry.

[60] Design and Implementation of Operational Game Platform Solution Based on Radio and Television Smart Terminal

How to rely on radio and television networks to carry out a variety of business operations, and continuously improve network value-added capabilities has always been one of the topics explored by radio and television network operators. In the context of rapid development of game industry in our country, this paper proposes a complete set of solution for operable game platform based on radio and television smart terminals, and focuses on design and implementation of some systems in the solution, which can be referred for reference.

[82] Analysis and Practice of Interference to Civil Aviation Communication Due to 3rd Order Intermodulation in FM Broadcasting Stations

With the development of civil aviation and gradual construction of FM coverage networks, aerial radio waves have become more and more complicated, and it is particularly important to ensure that radio and television transmitting stations do not produce interference signals in frequency band of civil aviation. After years of practice, Yuxi City has summed up a solution of intermodulation interference signal transmitted by FM transmitter falling into frequency band of civil aviation, which is helpful for scientific planning of coverage range and station frequency.

[105] Research on Construction of Compliance with Classified Protection 2.0 of Cybersecurity for Country-level Converged Media Center Based on Radio and Television Security Operation Brain

Under the requirements of classified protection 2.0, how to build a county-level converged media center which conforms to classified protection 2.0 and ensure sustainability of network security has become an important topic for construction and operation and maintenance of county-level converged media center. Radio and television security operation brain based on big data analysis technology can comprehensively analyze various security data to realize early warning, prediction and prevention of security incidents, which can provide better and more advanced security guarantee ability for construction of compliance with classified protection 2.0 for county-level converged media center.