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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、不做出任何承诺或保证、不承担任何责任。

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[16] 《5G高新视频-互动视频技术白皮书(2020)》解读

在5G、超高清、虚拟现实等新兴技术催生下，广电行业视听内容的生产和传播即将发生新变革。国家广播电视总局顺应技术革命浪潮，推动构建5G高新视频新业态，提出了“5G高新视频”的概念。互动视频是高新视频业态的重要组成部分之一，能够为用户带来强参与感、强沉浸度的互动观看体验。本文围绕《5G高新视频-互动视频技术白皮书(2020)》的重点内容进行了深入解读，可咨业界同仁参考。

[41] 长江云融媒体平台新闻指挥调度系统的构架与设计

《关于推动传统媒体和新兴媒体融合发展的指导意见》发布后，广电业界掀起了采用大数据、云计算等IT技术，实现广电新闻制播系统与新一代信息技术、互联网技术深度融合的建设热潮。本文介绍的长江云融媒体平台新闻指挥调度系统即以全媒体新闻生产与指挥调度为窗口，通过创新广播电视融合媒体“采、编、播、存、用”等业务体系，再造新闻策、采、编、审、发、控全流程，实现了“一次采集、多元生成，多渠道传播”。该建设案例可供广电同行在建设同类系统时参考借鉴。

[65] TVOS系统推广中的区域特色化业务实践

在TVOS推广部署过程中，针对当地民生需求、当地地理、人文环境特色，以及当地集团客户个性化需求开发的业务应用也是大家关注的重点之一。本文较为系统地介绍了多地推广TVOS系统过程中研发并部署的特色化业务应用，这些业务应用不仅满足了当地用户需求，而且在一定程度上推动了TVOS的持续发展，有助于进一步拓宽有线网络领域同仁的运营思路。

[87] 基于地面数字电视无线传输网的边远农牧区基本文化公共服务覆盖解决方案设计

偏远地区普遍存在网络基础设施薄弱的问题，人民群众基本文化公共服务不能得到保障。本文研究了如何利用广播电视无线覆盖资源，让主流媒体内容触达偏远地区人民群众，在偏远地区人民群众的移动智能终端上为其呈现广播节目、电视节目、文本、图片、文件、数据信息等基本文化公共服务内容，提高当地人民群众的获得感、幸福感。

[120] 基于无线传输的DTMB节目信息数据集中回传监测平台设计与实现

中央广播电视节目无线数字化覆盖工程的逐步完成后，为加强对分散各地的DTMB发射站点播出情况进行统一的监测管理，江西省广电局投资建设了全省地面数字信号集中回传监测平台。该平台的应用极大地提升了省广电局对各地市地面数字电视无线发射台站播出情况的监管力度和监管质量。



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[16] Interpretation of "White Paper on 5G Advanced-format and New-concept Video - Interactive Video Technology (2020)"

With the development of 5G, UHD, virtual reality and other new technologies, production and dissemination of audio-visual content in radio and television industry is about to undergo new changes. National Radio and Television Administration conforms to the wave of technological revolution, promotes a new industrial form construction of 5G video, and puts forward the concept of "5G Advanced-format and New-concept Video". As an important part of 5G Advanced-format and New-concept Video, interactive video can bring users a strong sense of participation and immersive interactive viewing experience. This paper provides an in-depth interpretation of key contents of "White Paper on 5G Advanced-format and New-concept Video - Interactive Video Technology (2020)", which can be consulted by colleagues in the industry.

[41] Framework and Design of News Command and Dispatch System of Yangtze River Cloud Converged Media Platform

After the release of "Guiding Opinions on Promoting Convergence and Development of Traditional Media and Emerging Media", radio and television industry has set off a construction upsurge of using big data, cloud computing and other IT technologies to realize deep convergence of radio and television news production and broadcasting system with new-generation information technologies and Internet technologies. News command and dispatch system of Yangtze River Cloud converged media platform introduced in this paper takes omni-media news production, command and dispatch as the window, reconstructs the whole process of news planning, acquisition, editing, reviewing, release and control through innovation on business system of "acquisition, editing, broadcasting, storage and using" of radio and television converged media, and realizes "one-time collection, multiple generation and multi-channel dissemination". The construction case can be used for reference in construction of similar systems.

[65] Practice of Regional Characteristic Service in Promotion of TVOS System

In the process of TVOS promotion and deployment, business applications developed for local people's livelihood needs, characteristics of geography and cultural environment, and personalized needs of local group customers are also one of attention focuses. This paper systematically introduces characteristic business applications developed and deployed in the process of promoting TVOS system in many places. These business applications not only meet the needs of local users, but also promote sustainable development of TVOS to a certain extent, which helps to further broaden operation ideas of colleagues in field of cable network.

[87] Solution Design of Basic Cultural Public Service Coverage for Remote Agricultural and Pastoral Areas Based on DTMB

In remote areas, network infrastructure is weak, and people's basic cultural public services cannot be guaranteed. This paper studies how to make full use of radio and television wireless coverage resources to allow mainstream media content to reach people in remote areas, and present basic cultural public service contents such as radio programs, TV programs, text, pictures, files, data information, etc. on their mobile smart terminals, so as to improve gain and happiness sense of local people.

[120] Design and Implementation of a Monitoring Platform for Centralized DTMB Data Transmission and Collection Based on Wireless Transmission Technology

After gradual completion of wireless digital coverage project of central radio and television programs, in order to strengthen unified monitoring and management of broadcasting situation for DTMB transmission sites in different places, Jiangxi Radio and Television Administration invested in construction of a monitoring platform for centralized backhaul of provincial DTMB signals, which has greatly improved supervision intensity and supervision quality of provincial Radio and Television Administration on broadcasting of terrestrial digital TV wireless transmission stations in various cities.