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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。

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〔16〕 融媒体业务平台建设的实战方略

厦门广播电视集团为提升主流媒体的影响力，建设完成了媒体融合、协同生产与多方互动的立体传播体系，实现了信息的“一次采集、多种生成、多元传播与分发”。本文以厦门广电融媒体业务平台的建设为例，详细阐述融媒体业务平台的设计思路与运营方案，供业界参考。

〔38〕 基于融合媒体云平台的统一安全传输平台的设计和实现

伴随着融合媒体云平台的发展普及，云安全体系建设逐渐成为一个不容回避的现实课题。本文结合浙江广电集团的建设实践，对具备“采、编、发、用、管、存”等媒体服务特质的中国蓝云统一安全传输平台的设计与实现进行了较为全面的介绍，可咨业界同仁参考借鉴。

〔55〕 歌唱类节目互动直播的探索与实现

演播室作为电视节目生产的重要环节，其技术创新对节目模式具有重要的引领作用。河南广播电视台通过在演播室加入连线、弹幕、网络直播等环节，形成了新媒体与传统媒体交互的形态。新媒体元素的加入，不仅丰富了节目形式，也成为电视节目内容创新的主要方向。

〔76〕 IP 城域网优化建设方案和应用实践

城域网优化是一个持续性的长期工作，通过 IP 城域网的优化改造，有助于提升 IP 城域网的业务承载能力和网络的安全可靠性。本文对 IP 城域网优化的建设思路和应用实践作了较为全面的阐述，在提高广电宽带业务体验品质方面可供业界同仁参考借鉴。

〔99〕 基于精密相位制同步广播技术构建大规模多层中波单频覆盖网

中波同步广播是抑制同频干扰，扩大广播有效覆盖，提高广播收听质量，节约频率资源的重要技术措施，也是我国中波广播网规划与建设的技术基础。本文提出的精密相位制中波同步广播技术，彻底消除同频干扰，真正实现 0dB 同频保护率的大规模单频组网，在大幅度提高有效覆盖的同时高效释放频率资源，对增强覆盖网的节目播出能力、降低覆盖网的最低可用场强、改善无线电波次序和电磁环境具有重要意义。

〔137〕 小波变换在电视播出信源安全检测中的应用与实践

如何将外来信源高效、安全地导入播出系统，同时又确保节目质量满足播出技术规范，是高清化进度中需要关注的重要内容之一。本文通过对播出系统的远程节目传送来阐述对外来信源实施快速安全检测和转码的工作实践，供大家参考。



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[16] Practical Strategy of the Construction of Convergent Media Business Platform

In order to promote the influence of mainstream media, Xiamen Media Group provides a three-dimensional broadcasting system, supporting media convergence, cooperative production and multi-interaction. The system realizes "gathering once, producing variety, and distributing multiple". This paper takes the convergent media business platform of Xiamen Media Group as an example, expounds the design concept and operation scheme of the system. It could be reference for peers.

[38] Design and Implementation of Unified Safe Transmission Platform Based on Convergent Media Cloud

With the development of convergent media cloud, the cloud security system is becoming an inevitable issue. Combined the construction experience from Zhejiang Radio & TV Group, this paper introduces the design and implementation of the unified safe transmission platform of China Blue Cloud in detail, which supports media services including data gathering, editing, distribution, broadcasting, management and storing. It could be reference for peers.

[55] Exploration of Interactive Live Broadcasting for Singing Shows

TV Studio is one of the important parts in TV program production. The innovative technologies in TV studio play a leading role in new program production. Henan Radio and TV Station puts video link, bullet screen and network live broadcasting, etc. into studio program production, makes a seamless integration of new media and traditional media. Those new media elements not only enrich the content but also innovate the program.

[76] Design and Application of IP MAN Construction Optimization Scheme

The optimization of metropolitan area network (MAN) is a persistence long-term work, which is good for promoting business ability and network security and reliability. This paper expounds the optimization and application of IP MAN. It could be reference for peers to enhance business quality of cable broadband network.

[99] Large-scale Multi-layer MW SFN Based on Precise Phase Synchronous Broadcasting Technology

Medium-wave synchronous broadcasting is the foundation of national MW broadcasting network, and is an important method of restraining the identical frequency interference, expanding the broadcasting coverage, improving the broadcasting quality and saving the frequency resources. This paper proposes a kind of precise phase MW synchronous broadcasting technology to restrain the identical frequency interference completely, so as to realize the large-scale single-frequency networking with 0dB identical frequency protection ratio. It could not only improve the coverage effect but also release frequency resources efficiently. This is of great significance to enhance the broadcasting ability of the coverage network, to reduce the minimum available field strength, and to improve the radio wave order and electromagnetic environment.

[137] Application of Wavelet Transform Theory in TV Broadcasting Source Security Detection

How to upload the external resources into the broadcasting system safely and efficiently with good program quality is one of the important issues in the HD digitalization procedure. This paper introduces the transcode and security detection of external resources for remoted program in the broadcasting system. Hope to be referenced.