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《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。

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〔26〕 中波应急广播远程唤醒系统的技术实现

经过2017年的全面部署，全国应急广播体系总体规划现已发布，2018年应急广播体系建设将进入快速推广期。中波调幅广播因传输距离远，广播收听设备简单，在应急广播体系中占有非常重要的地位。本文围绕如何在现有中波信道中快速、可靠、安全的传递应急广播信令，从而实现终端设备的远程唤醒进行了阐述和系统设计，是中波应急广播系统中不可或缺的技术应用。

〔39〕 协同生产在全媒体融合技术体系中的应用

媒体融合给传统广电的节目制作模式提出新的挑战。为了建设一个符合融合业务需求又具有各业务之间协作和互动功能的全媒体融合技术平台，温州广电在二期平台建设的基础上提出协同生产的概念，将生产系统内原有的所有功能模块关联起来，把人员、消息、任务、流程等进行深度整合，提升了全系统的效率，解决了流程再造过程中的遗留问题。

〔78〕 基于TVOS的智能终端IP Loader系统研究与设计

智能电视操作系统的升级问题一直是制约智能机顶盒应用的要素之一。通过建设基于TVOS的机顶盒IP Loader双向升级系统，可适应智能机顶盒系统或应用模块的不断更新迭代，使得智能机顶盒升级成本大大降低，升级难度大大变小，解决了长期以来智能机顶盒应用与系统频繁升级的难题，使得业务的部署更加便捷。本文针对IP Loader升级的研究与系统设计，值得同行交流借鉴。

〔98〕 中央覆盖工程在安徽省的规划与实施

中央广播电视节目无线数字化覆盖工程是国家重要的民生工程，更是一项复杂的系统工程，实施过程中应充分考虑各省的实际情况，因此各省实施的具体方案均有不同和差异。本文以中央覆盖工程在安徽省的建设情况为例，详细介绍了工程规划、实施方案和相关经验，供业内同行借鉴与参考。

〔114〕 有线电视安全播出风险识别与评价研究

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[26] **Technical Realization of Remote Wakeup System for Medium Wave Emergency Broadcasting**

Since 2017, the national emergency broadcasting system planning has been arranged and published. In 2018, it is going to a rapid developing era of the national emergency broadcasting system. Due to far transmission and simple receiver, medium wave broadcasting takes an important role in emergency broadcasting system. This paper introduces how to transmit emergency broadcasting signals rapidly, reliably and safely in the exiting medium channel, and how to design a terminal equipment remote wakeup system. It is a fundamental technology of medium emergency broadcasting system.

[39] **Application of Collaborative Production in Omni-media Convergence Technical System**

Media convergence takes challenges to traditional program production. In order to build up an omni-media convergent technical platform which provides convergent business and supports collaboration and interaction among various businesses, Wenzhou Radio and Television Media Group proposes a scheme of collaborative production on the bases of the first phase platform construction. It connects all functional modules in the production system and deeply integrates staffs, messages, assignments and processes. It improves the system efficiency and solves the problems in business process reengineering.

[78] **Design of IP Loader System for Intelligent STB Based on TVOS**

TVOS upgrading issue has been always limiting the application of intelligent STB. Through the IP loader bidirectional upgrading system, the intelligent STB and its application modules could be upgraded so that the upgrading cost is saved and the upgrading difficulty is decreased. This solves the problem of system upgrading and application of intelligent STB, and makes business arrangement convenient. This paper introduces a design of IP loader system which is deserved to be reference for peers.

[98] **Planning and Implementation of Central Digital Wireless Coverage Project in Anhui Province**

Central broadcasting program's digital wireless coverage project is not only an important national livelihood project, but also a complicated systematic project. For its implementation, the actual situation in each province needs to be considered so that the provincial implementation scheme is different from each other. This paper takes an example of central coverage project in Anhui Province, introduces the engineering planning, implementation scheme and the related experience in detail, which could be reference for peers.

[114] **Research on Risk Identification and Assessment for CATV Safe Broadcasting**

CATV network is very complicated and program broadcasting involves many sections. The risk factors affecting safe broadcasting are numerous and correlative. As the risk identification and assessment for safe broadcasting based on analytical hierarchy process (AHP) exists limitations, this paper proposes the Delphi method for risk identification, and combines AHP with analytic network process to sort the risk factor weight. The research is in accordance with practice and provides the basis of risk controlling for safe broadcasting.