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*IEEE Transactions on Broadcasting*

***Special Issue on Intelligent Multicast/Broadcast Services over 5G/6G***

With the continuous advancement in mobile communication technologies, 5G and 6G networks are fostering the development of intelligent multicast and broadcast services, revolutionizing how we consume media and interact with the digital world. These cutting-edge technologies are unlocking new frontiers in high-quality media services, enabling ultra-high-definition and new immersive content delivery, interactive live multicast/broadcasts, and seamless integration of virtual and augmented reality experiences. As the next frontier in broadband wireless communications, 5G/6G technologies enable high-speed data transfer, low latency, and reliable connectivity, creating immersive and personalized media experiences never before possible.

5G and 6G technologies offer tremendous potential in enhancing network capabilities, efficiency, and customization, particularly in the field of high-quality multimedia services. Content providers are now able to offer dynamic and adaptive streaming tailored to individual devices and user preferences, transforming the way we enjoy movies, sports, concerts, and more. Moreover, the robust network infrastructure supports ground-breaking applications in various fields like entertainment, health, transportation, and industry, with media delivery at the heart of many of these innovations. This evolution in mobile communication is not only paving the way for new levels of user engagement and content immersion but also setting new standards in streaming quality, interactivity, and accessibility. By catalyzing innovation and collaboration across industries, 5G and 6G are laying the foundation for a media-rich, connected, and intelligent digital ecosystem.

This special issue aims to gather original and innovative research contributions that explore the challenges and opportunities in designing, implementing, and evaluating intelligent multicast and broadcast services over 5G and 6G networks. Topics of interest include, but are not limited to:

* Multicast/broadcast architectures and systems for 5G/6G
* Novel metrics and methods for evaluating mobile user experience
* Edge computing for intelligent multicasting/broadcasting
* Innovative applications and services utilizing intelligent multicasting/broadcasting
* Transmission technologies for next-generation multicasting/broadcasting services
* Resource management and optimization for 5G/6G multicasting/broadcasting system
* Multimedia distribution-related machine learning and AI techniques

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When submitting your paper, please choose *Special Issue Manuscripts* and the title **Intelligent Multicast/Broadcast Services over 5G/6G.** *\*All papers will be peer-reviewed according to the standard IEEE publication process.*

**Important Dates:**

Manuscript submission due: February. 04, 2024

First review complete: April 17, 2024

Revised manuscript due: May 15, 2024

Final manuscript due: July 15, 2024

Publication date: Q3 or Q4 2024

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