

Special Issue on  
**Multimedia Streaming Analysis in Internet-of-Things Era**

CALL FOR PAPERS

In the era of ubiquity of both streaming services and Internet of Things (IoT), many recent advances are pushing the limits of our current technologies and services. Streaming services, including MPEG-DASH and other adaptive services, have always taken the lion's share of our Internet traffic and are consistently considered as a lifeline for many social, entertainment, and educational services. With the advent of IoT services, the possibilities of combining the two technologies are endless and are envisioned to have even greater impact on current Internet services.

Communications over IoT require researchers to take into consideration the limitation of these devices in terms of hardware capabilities, power consumption, and security. Moreover, connecting ubiquitous IoT devices to existing streaming infrastructures requires additional planning to integrate them successfully on many levels, especially with the tremendous amount of data they are expected to generate.

In this special issue, we invite high quality and original research papers in the fields of multimedia and IoT describing recent challenges or discoveries along with potential solutions. We expect the submitted papers to this special issue to serve as valuable references for both academia and industry. Unpublished and original theoretical, experimental, and review papers are welcome and will be considered for publications.

Potential topics include but are not limited to the following:

- ▶ Current and future trends for adaptive multimedia streaming
- ▶ Management and interpretation of multimedia big data
- ▶ Multimedia technology for IoT environments
- ▶ Mobile multimedia controls and services for IoT architecture
- ▶ Online stream processing of multimedia data
- ▶ Location-based multimedia streaming management and analysis
- ▶ Network management and control for multimedia data transmissions
- ▶ Scalable and efficient algorithms for multimedia big data analytics
- ▶ Real-time and low-latency multimedia streaming techniques
- ▶ Distributed and parallel multimedia data techniques
- ▶ Cloud computing for multimedia-aware IoT systems
- ▶ Prototypes, test beds, and field trials for multimedia-aware IoT systems
- ▶ Security assessment and privacy management of multimedia data
- ▶ Subjective (QoS) and Objective (QoE) assessments of multimedia streaming technologies

Authors can submit their manuscripts through the Manuscript Tracking System at <https://mts.hindawi.com/submit/journals/wcmc/msai/>.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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