



International Journal of Distributed Sensor Networks

Special Issue on  
**Advances in Multimedia Sensor Networks for  
Health-Care and Related Applications**

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Nowadays, multimedia sensor, services, and technologies play an important role in seamlessly providing and managing health, sports, and other services to anyone, anywhere, and anytime. Media sensors are usually equipped with cameras, microphones, and other devices that produce media (audio, video, image, and text) content and services. Such services and technologies facilitate caregiver and related professionals to have immediate access to the required information for efficient decision making. Since media sensing technology development is growing, many research opportunities are emerging in a broad spectrum of application domains.

This special issue invites high-quality unpublished research articles on media sensing technologies, research concepts, and methods for health care, sports, and other novel applications, articulating new perspectives highlights, open issues, and challenges.

Potential topics include, but are not limited to:

- ▶ Cloud media sensing for healthcare and sports
- ▶ Multimedia signal acquisition based on compressive sensing
- ▶ Electronic platforms for healthcare applications
- ▶ Wireless communication with/within swarms of implantable devices
- ▶ Innovative circuits for communication with medical instrumentation
- ▶ Media sensing for serious games
- ▶ Resource allocation in multimedia health care
- ▶ Media sensor-based voice detection
- ▶ Biometric authentication for media healthcare applications
- ▶ Media sensor data aggregation
- ▶ Multimedia enhanced learning, training, and simulation for health
- ▶ QoS/QoE for media sensor-based applications
- ▶ Data fusion in multimedia sensor networks
- ▶ Security and privacy in media sensor networks
- ▶ Emerging media sensing protocols, surveys, applications, and new research approaches

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