

Special Issue on
**Edge-based Mobile Social Media
Computing and Analysis**

CALL FOR PAPERS

The emerging Social Internet of Things (SIoT) paradigm faces challenges in handling the huge amount of media data produced by mobile phones, wearable devices, cameras, etc. Media big data offers tremendous opportunities for social services, such as recommendations, advertisements, personal assistants, surveillance, games, and smart places. Sharing and interacting with this multimedia content requires powerful data computing and analysis systems. Over the past decade, cloud-based solutions have been proposed as promising approaches to this end. However, cloud computing infrastructure suffers from high latency issues that cannot be acceptable for time-sensitive social services.

Fortunately, cloudization that moves computing capability from the cloud to the edge of the networks, resulting in mobile edge computing technology, might provide appropriate solutions, especially in terms of low latency and context-awareness. However despite these advantages, edge-based social media computing and analysis must deal with several obstacles resulting from the heterogeneity of mobile edge infrastructure, as well as the complexity, social relationships, and security requirements of multimedia contents. Several potential approaches have been studied, applying artificial intelligence, game theory, bioinspired algorithms, and mathematical optimization. These issues demand insightful technologies for the social media networks and services to be fully adaptive to the mobile edge computing environments.

We welcome original and high-quality research articles as well as review articles that discuss the edge-based social media computing and analysis problems.

Potential topics include but are not limited to the following:

- ▶ Edge-based social media network architectures and models
- ▶ Mobile social multimedia computing and analysis
- ▶ Mobile caching policies for social multimedia services
- ▶ Edge-based Social Internet of Vehicles (SIoV)
- ▶ Distributed computing frameworks for peer-aware social services
- ▶ Social network security and policies
- ▶ Trust and privacy in social media computing

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

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

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Submission Deadline

Friday, 7 June 2019

Publication Date

October 2019