Call for Papers:
5G Multimedia Communications: Theory, Technology, and Applications

Publication: Jan.–March 2019 • Submission Deadline: 1 Feb. 2018

As multimedia systems, services, and applications increasingly become a part of daily life, researchers are exploring 5th-generation wireless communication networks on many fronts. 5G networks must accommodate higher mobile data volumes, user data rates, and numbers of connected devices, and at the same time offer lower end-to-end latency. New theories and technologies are producing diverse multimedia applications, including services for surveillance, entertainment and social media, voice and video, medical imaging, business transactions, and Internet-of-Things-based streams. Traditional multimedia communications and processing schemes can’t effectively compress, encode, transmit, process, synchronize, store, and mine all of this multimedia information, so there’s a growing demand for developing and designing theories, technologies, and applications for 5G multimedia communications.

This special issue solicits the state-of-the-art approaches and technical solutions in the area of 5G multimedia communications. The issue will provide a compelling forum for researchers and practitioners to present their results. Original contributions (not under review by another journal) are solicited in relevant areas, including:

- architectures for 5G multimedia communications,
- end-to-end QoE support for wireless and mobile communications,
- security and privacy in 5G multimedia communications,
- multimedia delivery over 5G wireless networks,
- compressing and coding multimedia data in the 5G environment,
- parallel and distributed computing for multimedia over 5G wireless networks, and
- novel and interesting applications in 5G multimedia communications.

SUBMISSION GUIDELINES
See the author guidelines at https://www.computer.org/web/peer-review/magazines for submission requirements. Submissions should not exceed 6,500 words, including all text, the abstract, keywords, bibliography, biographies, and table text. Each table and figure count as 200 words. Submit your paper electronically through ScholarOne Manuscripts at https://mc.manuscriptcentral.com/mm-cs, selecting this special issue option.

GUEST EDITORS
Liang Zhou, Nanjing University of Posts and Telecommunications
Joel J.P.C. Rodrigues, Inatel and Instituto de Telecomunicações
Haohong Wang, TCL Research America
Maria Martini, Kingston University
Victor C.M. Leung, University of British Columbia

For more information, contact the guest editors at mm1-2019@computer.org.