



## ACM Transactions on Multimedia Computing, Communications, and Applications (TOMM)

Formerly known as TOMCCAP, TOMM focuses on multimedia computing, multimedia communications, and multimedia applications.



## ACM TOMM Call for Papers

### Special Issue on Trusted Multimedia for Smart Digital Environments

There are many new technologies and multimedia applications that advanced our daily lives; the listed technologies: IoT, hyperscale computing and multimedia. The approaches in multimedia and its fast expansion facilitate the access to digital contents, images, and videos at any time and from anywhere in this smart digital environment. The multimedia will play an increasingly important role in a future of smart environment based on Artificial Intelligence and IoT. While machine-to-machine communications can be secured by existing information and cyber security tools, the interaction between humans and automated systems is more challenging to establish trust due to varied human factors. The integration between these new technologies and multimedia applications built our life accessible in many aspects, but, meanwhile, it carries up serious challenges including attaining all these large amounts of digital contents in digital strained environments with limited storage and processing capabilities such as smart devices. Further, computerized systems and automation from separated intelligence systems may also need media to connect and thus have challenge in building mutual trust via such multimedia.

The trust concern is not limited to the physical and online services, but also future virtual and augmented reality environments. Potential topics included, but not limited

- Multimedia data provenance
- Information security challenges in digital computing environments
- Trust-enhanced interaction design of media
- Multimedia networking in Web of Things environments
- Intelligent Multimedia recommendation for smart digital environment
- Multimedia content distribution for smart digital environment
- Multimedia blockchain for future smart digital media
- Study the visibility of using lightweight crypto for securing Internet related technologies in multimedia contents

### Important Dates:

Full paper submission deadline: 30 September 2019

First decision: 30 November 2019

Revised submission due date: 30 January 2020

Final decision: 30 March 2020

Publication: June 2020

**Review Process:**

The review process will comply with the standard review process of the ACM TOMM journal. Each paper will receive at least three reviews from experts in the field.

**Submission Instructions:**

Prospective authors are invited to submit their manuscripts electronically after the “open for submissions” date, adhering to the ACM TOMM journal guidelines (see <https://tomm.acm.org/authors.cfm>). Please submit your papers through the online system (<https://mc.manuscriptcentral.com/tomm>) and be sure to select the special issue. Manuscripts should not be published or currently submitted for publication elsewhere. Submitted manuscripts should not have been published previously, nor be under consideration for publication elsewhere. If the submission is an extended work of a previously published conference paper, please include the original work and a cover letter describing the changes that have been made. According to ACM TOMM publication policy previously published conference papers can be eligible for publication provided that at least 25% new material is included in the journal version.

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