

**ACM Transactions on Multimedia Computing, Communications and
Applications (ACM TOMM) Call for Papers**

Special Issue On

Trust Management for Multimedia Big Data

With the rapid growth of Cyber Physical and Social Computing (CPSC) and cloud computing, huge volumes of multimedia data collected by various devices through different communication channels are being processed, analyzed and mined in order to support many promising services. However, analysis and mining of multimedia data introduce a number of issues related to its trust management, especially for multimedia big data. Privacy, security and trust in multimedia data perception, transmission, communications, fusion, mining, storage and usage attract special attentions. In particular, big volumes of multimedia data introduce special requirements on efficiency, availability and dependability of its trust management. Trust management for multimedia big data becomes a key issue that impacts the success of multimedia computing, communications and applications.

Existing solutions of trust management for multimedia big data are imperfect or incomprehensive. Multimedia big data brings additional challenges to trust management research with regard to the security and privacy of multimedia, the efficiency and accuracy of multimedia process and the dependability and quality of processing results.

This special issue aims to bring together researchers and practitioners to discuss various aspects of trust management for multimedia big data, explore key theories, investigate technology enablers, develop significant applications and innovate new solutions for overcoming major challenges in this research area.

Topics of interest include, but are not limited to:

- Multimedia perturbation technologies
- Secure multimedia transmission
- Multimedia big data anonymization and fusion
- Multimedia provenance trust
- Secure multi-party computation for big multimedia
- Privacy-preserving multimedia fusion and analytics
- Multimedia source reliability estimation and assurance
- Trust management for big multimedia
- Verifiable multimedia computing
- Multimedia trust and reputation
- Privacy protection in CPSC multimedia

- Multimedia applications with trust management
- MapReduce for big multimedia
- Secure multimedia search and collection
- Multimedia security and privacy in cloud computing and social networking
- Digital rights management of multimedia

Instructions for Manuscripts

Papers will be evaluated based on their originality, presentation, relevance and contributions, as well as their suitability to the special issue. The submitted papers must be written in excellent English and describe original research that has not been published nor currently under review by other venues. Previously published conference papers should be clearly identified by the authors at the submission stage and an explanation should be provided about how such papers have been extended to be considered for this special issue. Extended conference contributions must have at least 50% difference from the original works (the authors must indicate the conference name and make a reference to the base conference paper). Guest editors will make an initial determination on the suitability and scope of all submissions. Papers that either lack originality, clarity in presentation or fall outside the scope of the special issue will not be sent for review and the authors will be promptly informed in such cases.

The submitted papers will be reviewed by at least three independent reviewers. Final decisions on accepted papers will be based on their qualities and their relevance to the theme of this special issue and should be approved by the journal editors. Manuscripts must be prepared for publication according to the journal's Author Guidelines available at: <http://tomm.acm.org/>. Submissions must conform to the layout, format and page limit in the guidelines. The authors must select "SI: TM-BigData" when they reach the "Article Type" step in the submission process.

Important Dates

Paper submission due:	October 1st, 2015 Extended to October 15th, 2015
Notification of decision:	December 15th, 2015
Revision due:	February 15th, 2016
Acceptance notification:	April 15th, 2016
Camera ready:	May 1st, 2016
Approximate publication date:	August 2016

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