

CALL FOR PAPERS

IEEE Internet of Things Journal Special Issue on Multimedia Big Data in Internet of Things

Multimedia big data is a cornerstone of Internet of Things (IoT). The research subjects of IoT naturally associate with multimedia and big data, and multimedia data and application occupies a large proportion of the landscape of IoT. Moreover, there are many exciting new research directions in multimedia big data based IoT, such as directional sensor networks, video opportunistic transmission, physical object location, image or voice based physical object search, and so on. Due to the dramatic development of IoT, we have bigger and bigger data sets, and we naturally step into the world of multimedia big data. As an emerging and promising domain for both research and application, multimedia big data in IoT introduces unprecedented problems and challenges to us, such as large scale multimedia data representation, modelling, mining, social impact, privacy concern, security, and so on.

The purpose of this Special Issue is to solicit the latest unpublished work from both academia and industry on multimedia big data in the domain of IoT. The areas of interest include, but are not limited to, the following:

- Measurement for multimedia big data in IoT
- Representation for multimedia big data in IoT
- Mining and learning theory for multimedia big data in IoT
- Networking theory for multimedia big data in IoT
- Data transmission for multimedia big data in IoT
- Parallel and distributed algorithms for multimedia big data in IoT
- Software platform design for multimedia big data in IoT
- Scheduling theory for multimedia big data in IoT
- Data management for multimedia big data in IoT
- Performance modelling for multimedia big data in IoT
- Visualization of multimedia big data in IoT
- Security and privacy theory for multimedia big data in IoT
- Theoretical challenges in multimedia big data in IoT
- New application of multimedia big data in IoT

Important Dates

Submissions Deadline: **May 31, 2017**

Final Manuscript Due: October 30, 2017

Notification of Acceptance: September 30, 2017

Publication Date: December 2017

Submission

All original manuscripts or revisions to the IEEE IoT Journal must be submitted electronically through IEEE Manuscript Central, <http://mc.manuscriptcentral.com/iot>. Solicited original submissions must not be currently under consideration for publication in other venues. Author guidelines and submission information can be found at <http://iot.ieee.org/journal>.

Guest Editors

- Huadong Ma, BUTP, China
mhd@bupt.edu.cn
- Shui Yu, Deakin University, Australia
syu@deakin.edu.au
- Moncef Gabbouj, Tampere Univ. of Tech
University, Finland, moncef.gabbouj@tut.fi
- Peter Mueller, IBM Research, Switzerland
pmu@ibm.com