



# Special Issue Call for Papers

## Multimedia Tools and Applications

Springer Journal

<http://www.springer.com/journal/11042>

### Special issue on “Intelligent approaches for Multimedia future communications and Internet of Things”

Internet of Things (IoT) is the way to interconnect all types of wireless device (real objects and other sensing elements like temperature sensors, humidity sensors, pressure sensors, medical sensors, traffic monitoring sensors, etc.), and to connect these devices to the internet. These devices are using wireless communication methods and heterogeneous in nature. These devices demands for interoperability. Therefore, IoT aim to build a future of connected devices that is truly open and scalable. Internet of Things (IoT) benefited from sensors nodes which are made up of limited memory, processing elements and battery backup. These sensor nodes are capable enough to sense any event of interest. These sensor nodes in IoT can sense the phenomenon and responds to the event of irregularities promptly. The IoT is having capabilities to provide intelligent alternatives for the most of the real life processes like business, smart cities, connected homes, etc. Future IoT will be having number of wireless devices and heterogeneous in nature. Limited resources must be channelized to achieve better throughput, QoS, reliability, energy efficiency, network setup time etc. Interoperability is also an issue which requires to be solved at hardware or software level.

This Special Issue targets novel, validated and intelligent solutions for improving the performance of future IoT networks in designing and building protocols, models and technologies that enables smart IoT services and applications. Both hardware and software solutions are solicited within the scope of call.

#### Topics are as below but are not limited to:

- Intelligent Pervasive computing
- Ubiquitous cities
- Soft Computing approaches

- Image forgery and Email Spamming Techniques
- Genetic Algorithms
- IoT frameworks
- Design and development of IoT platforms
- Ambience intelligence
- Connected homes
- Sensor data processing and integration
- IoT Applications
- Deep Learning Approaches
- Intelligent and interactive interface for IoT
- Smart health applications using IoT
- Applications of IoT in Big data
- Security and privacy in IoT
- Mobile applications, services and integrations
- Cognitive IoT and Unmanned Vehicles
- Green Communication Technology
- IoT with deep learning
- Energy efficient protocols for IoT

### **Important Dates:**

- Deadline for submissions: February 10, 2018
- Notification of First Round: April 10, 2018
- Notification of Second Round: June 30, 2018
- Final Decision: August 30, 2018
- Tentative Publication Date: October 15, 2018

### **Submission Procedures:**

Submitted papers should present original, unpublished work, relevant to one of the topics of the Special Issue. All submitted papers will be evaluated on the basis of relevance, significance of contribution, technical quality, scholarship, and quality of presentation, by at least three independent reviewers. It is the policy of the journal that no submission, or substantially overlapping submission, be published or be under review at another journal or conference at any time during the review process.

Note that published papers and those currently under review by other journals or conferences are prohibited. Each paper will be reviewed rigorously, and possibly in two rounds, i.e., minor/major revisions will undergo another round of review. Prospective authors are invited to submit their papers directly via the online submission system at:

<https://www.editorialmanager.com/mtap/>. Choosing “**1099T - Multimedia communications and IoT**” as article type. When uploading your paper, please ensure that your manuscript is marked as being for this special issue.

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