

## **Special Issue Call for Papers**

Multimedia Tools and Applications, Springer Journal <http://www.springer.com/journal/11042> ISSN: 1380-7501 (print version) ISSN: 1573-7721 (electronic version) Published by Springer

### **Special Issue on**

### **“Security and Privacy of Multimedia Big Data in the Critical Infrastructure”**

#### **Aim and Scope:**

Cyber security and privacy is an essential need for modern society where information technology and services pervade every aspect of our lives. Specially, security and privacy of multimedia big data in the critical infrastructure (a nation’s strategic national assets, i.e. banking and finance, communications, emergency services, energy, food chain, health, water, mass gatherings, transport, etc) which is an essential part of our daily life to access different systems, services and applications is a serious issue, today. However, it is challenging to achieve, as technology is changing at rapid speed and our systems turn into ever more complex. The explosion of multimedia big data has created unprecedented opportunities and fundamental security challenges as they are not just big in volume, but also unstructured and multi-modal.” The aim of this special issue is to provide a premier international platform for wide range of professions including scholars, researchers, academicians and Industry people to discuss and present the most recent security and privacy challenges and developments in Multimedia ‘big data in critical infrastructure’ from the perspective of providing security awareness and its best practices for the real world.

We invite researchers to contribute original research articles as well as review articles that will seek the continuing efforts to understand the novel techniques that lead to future improvements for security and privacy of multimedia big data in Critical infrastructure.

#### **Topics:**

The topics relevant to this special issue include but are not limited to:

- Security and privacy of multimedia big data in banking systems
- Security and privacy of multimedia big data in telecommunication systems
- Security and privacy of multimedia big data in finance systems
- Security and privacy of multimedia big data in communication systems
- Security and privacy of multimedia big data in eCommerce
- Security and privacy of multimedia big data in emergency services, energy, food chain
- Security, privacy and forensics of multimedia big data in critical infrastructure
- Security and privacy of multimedia big data in mobile cloud computing
- Security and privacy management of big data in Cloud Computing
- Security and privacy of Industrial control systems
- Security, privacy and forensics of multimedia big data in stock trade
- Mobile cloud computing intrusion detection systems
- Cryptography, authentication, authorisation and usage control for big data in cloud
- Security and privacy of multimedia big data in smartphone devices
- Security of Mobile, peer-to-peer and pervasive services in clouds

- Security of big data in Mobile commerce and mobile internet of things
- Security and privacy of multimedia big data in sensor networks
- Big data-enabling social networks on Clouds
- Resource management for multimedia big data on Clouds
- Cryptography, authentication and authorisation for big data in mobile devices
- Security and privacy of multimedia big Data in Web service
- Evolutionary algorithms for mining social networks for decision support
- Artificial neural network and neural system applied to social media and mitigating the privacy risks in critical infrastructure

### **Submission Guidelines:**

Each paper for submission should be formatted according to the style and length limit of Multimedia Tools and Applications. Please refer complete Author Guidelines on the website. 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/>. Choose Article type“1067- Security and Privacy of Multimedia Big Data in the Critical Infrastructure.”

### **Important Dates**

Submission of manuscripts: **April 15, 2017**

Review Notification to authors: **July 01, 2017**

Submission of Revised Papers: **September 01, 2017**

Notification of Final Review Results: **October 30, 2017**

### **Guest Editors:**

Dr. B. B. Gupta, National Institute of Technology, Kurukshetra, India (Email: [bbgupta@nitkkr.ac.in](mailto:bbgupta@nitkkr.ac.in))

Dr. Shingo Yamaguchi, Yamaguchi University, Japan

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