

# **Call for Papers**

## **Special Issue on**

### **“Large scale video analytics for enhanced security: algorithms and systems”**

#### **IEEE Transactions on Systems, Man, and Cybernetics: Systems**

Since the end of the last century, security based video analytics or visual surveillance has become one of the hottest research points. Especially, Large amounts of cameras can produce mass data in a split second, and what video analytics does is to exact meaningful information from these mass data. Specifically, visual surveillance aims to make computer think like human beings and make cameras see like the human eyes.

Visual surveillance is an interdisciplinary research area that has abundant research interests and diverse applications. Its research interests contain object detection, object classification, object recognition, object tracking, behavior recognition, analysis and so on; its applications involve public safety surveillance, traffic control, special population care, intelligent industry and so on. Hence, visual surveillance can greatly improve the efficiency and reduce the costs, which has broad research significance and application prospect. This special issue aims to provide the image/video community with a forum to present both the state-of-the-art methodologies and various applications of visual surveillance, and at the same time, to discuss the future developing directions of research and application of visual surveillance.

Topics of interest include, but are not limited to:

- Object recognition and geolocation
- Multi-camera object tracking
- Person re-identification
- Human pose estimation using RGB-D data
- Human action recognition and event analysis
- Crowd behavior tracking and pattern learning
- Structure modeling and learning in image and video
- Learning on big visual data in multi-camera networks
- Privacy-preserving multi-camera surveillance
- Benchmark database and evaluation
- Visual surveillance systems and applications
- Video summarization and video retrieval
- Image/video based biometrics

## Important Dates

Manuscript Submission Deadline:	June 30, 2016
Notification of Paper Decision:	September 15, 2016
Revised Paper Submission Deadline:	October 15, 2016
Final Paper Submission Decision:	November 30, 2017
Publication Date:	January, 2017

## Manuscript and Submission

Preparation of manuscripts should refer to the guidelines in the “Information for Authors” on the IEEE Transaction on System, Man Cybernetics: System website: <http://www.ieeesmc.org/publications/transactions-on-smc-systems/information-for-authors>

Submission for the special issue should be submitted through the Manuscript Central web site: <https://mc.manuscriptcentral.com/systems> In the Cover Letter to Editor-in-Chief Section, authors should explicitly include the following statement: This manuscript is submitted for the Special Issue on “**Visual Surveillance**”.

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