

CALL FOR PAPERS
IEEE TRANSACTIONS ON INFORMATION FORENSICS AND SECURITY
Special Issue on Intelligent Video Surveillance for Public Security & Personal Privacy

Guest Editors

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Over the past decade video surveillance has rapidly become a widespread tool for addressing the problem of public security and personal privacy. It is desirable to replace human operators by cloud & distributed computing systems in surveillance data acquisition, recording, archival, indexing, retrieval and manipulation. The intelligent video surveillance (IVS) technology is the core of the emerging next-generation video surveillance system. Recent advances in computer vision have shown good potential for some high level vision tasks, such as object detection, human identification, tracking, and behavior understanding, based on which diverse security applications such as “suspect identification” and “fighting detection” can be realized. Besides, research on security and privacy issues in video surveillance is growing rapidly in recent years. New interdisciplinary technologies that integrate computer vision, data hiding and steganography have been developed in addressing privacy protection concerns. This Call for Papers seeks for ongoing research on IVS techniques, and collects cutting-edge research on security and privacy problems with respect to technological, behavioral, legal and cultural aspects in video surveillance systems.

Example topics include but are not limited to

- *Video Analysis for Public Security Protection*: foreground detection and motion tracking; object (face, pedestrian) identification and re-identification; action/activity/event/behavior recognition; fusion of vision with other sensing modalities
- *Video Processing for Personal Privacy Protection*: privacy information detection; video redaction/scrambling; privacy information storage/management; privacy encryption
- *System & Performance*: research prototypes; hardware & software architectures; performance evaluation
- *Other Related Topics*: privacy policies; user requirements; economics of video surveillance

Submission Procedure: Manuscripts are to be submitted according to the Information for Authors at <http://www.signalprocessingsociety.org/publications/periodicals/forensics/forensics-authors-info/> using the IEEE online manuscript system, Manuscript Central. Papers must not have appeared or be under review elsewhere. The Guest Editors will not be submitting any papers to the SI.

Schedule

Submission deadline:	October 1, 2012
First Review:	January 16, 2013
Revisions Due:	March 1, 2013
Final Decision:	May 16, 2013
Final manuscript due:	June 20, 2013
Tentative publication date:	October 1, 2013