



Call for Papers Special Issue on

Advances in Multimedia Surveillance

Springer Multimedia Tools and Applications

An International Journal

Editor-in-Chief: Borko Furht

Guest Editors: Pradeep K. Atrey, M. Anwar Hossain and Mohan S. Kankanhalli

Motivation

Multimedia surveillance systems capture, process and analyze multimedia data coming from heterogeneous sensors. These systems are often designed to support (semi-) automatic decision making, such as generating an alarm in response to a surveillance event, as well as to provide useful information to human decision makers for ensuring public safety. Various tools and techniques from different fields such as Computer Vision, Pattern Recognition, Image/Video Computing, and Multimedia Systems have contributed to the success of such systems.

Although, there has been a significant progress in the field of multimedia surveillance research, we still face situations when the system is unable to identify critical events, wrongly accuse individuals or generate false alarms leading to undesired consequences. Hence, the goal of this special issue is to bring forward the recent advancements in automated multimedia surveillance. More specifically, it looks for the contribution in the state-of-the-art techniques, methodologies and systems for automatic surveillance to protect people and ensure their safety.

Novel, original and unpublished contributions that cover the following issues related to automatic multimedia surveillance are solicited:

- Automatic event detection based on multi-sensor data
- Surveillance event handling and management
- Architectural support for real-time surveillance
- Quality of surveillance systems and information
- Multi-sensor fusion in surveillance
- Advances in military surveillance for public safety
- Decision making in critical surveillance scenarios
- Crowd-supported surveillance
- Alert-response systems
- Risk assessment in automated surveillance
- Privacy and ethical issues in automated surveillance

Important Dates

- Paper submission due: January 30, 2012
- First-round acceptance notification: April 30, 2012
- Revision submission: June 30, 2012
- Notification of final decision: August 15, 2012
- Submission of final paper: August 30, 2012
- Publication date: 4th quarter of 2012 (tentative)

Submission Details

All the papers should be full journal length versions and follow the guidelines set out by Multimedia Tools and Applications: (<http://www.springer.com/computer/information+systems/journal/11042>). Manuscripts should be submitted online at <https://www.editorialmanager.com/mtap/> choosing "Advances in Multimedia Surveillance" as article type, no later than January 30, 2012. Information about the manuscript (title, full list of authors, corresponding author's contact, abstract, and keywords) should also be sent to the corresponding editor Pradeep Atrey (p.atrey@uwinnipeg.ca). All the papers will be peer-reviewed following the MTAP reviewing procedures.

Guest Editors

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