CALL FOR PAPERS
Multimedia Tools and Applications

Special issue on
“Recent Advances in Multimedia Security: Biometrics & Forensics”

Biometric authentication is becoming ever more widespread as a practical and user-friendly alternative to the use of passwords, which can be forgotten, transferred or stolen. Indeed, governments and companies around the world are investing heavily in the research and development of biometric identification tools. Not surprisingly, attacks to such systems are becoming also very frequent, and ever more sophisticated, aiming both at committing commercial frauds and acts of terrorism. A similar scenario involves the world of digital media, by now pervasive in our daily life, where images and videos can be manipulated for various evil purposes, including both crimes against intellectual property and against national security. Although the goals of biometrics and media forensics are different, they have strong similarities in purposes and tools. They both aim at supporting law enforcement and investigation, and both draw on methodologies and technologies that change and evolve on a daily basis.

The technical topics of interest include (but are not limited to)

- Biometrics and soft biometrics
- Mobile biometrics
- Audiovisual biometrics for multimedia forensics
- Biometric spoofing and liveness detection
- Biometric and forensic analysis of crime scene traces
- Forensic behavioural biometrics
- Security assessment for multi-biometrics systems
- Audio forensics
- Image and video forgery detection
- Machine learning techniques in image forensics
- Multimedia forensics
- Source identification
- Security of information in social media
- Adversarial learning
- Counter-forensics

The special issue follows the BioFor 2015 workshop (http://www.grip.unina.it/biofor2015) but submissions are not restricted to BioFor contributors.

Format and preliminary schedule
All submissions will be peer reviewed according to the Multimedia Tools and Applications guidelines. Submitted articles should not have been published or be under review elsewhere. Submit your manuscript on http://www.springer.com/computer/information+systems+and+applications/journal/11042 and select the “Recent Advances in Multimedia Security: Biometrics & Forensics” special issue manuscript type.

Submission deadline: November 2, 2015
First Round Decision: December 21, 2015
Revised Manuscript: January 25, 2016
Second Round Decision: April 15, 2016
Revised Manuscript: May 15, 2016
Final Manuscript: June 20, 2016
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