

Call for papers

AVSS is the IEEE conference series on video and signal based surveillance. 2009 AVSS edition will be financially and technically co-sponsored by IEEE Computer Society (PAMI TC) and by the IEEE Signal Processing Society (IVMSP TC). Starting in 1998, most recent previous editions were held in 2006 (Sydney, Australia), in 2007 (London, UK) and in 2008 (Santa Fe, New Mexico, USA). AVSS is a forum of reference for the field and offers the opportunity to meet and foster collaboration. AVSS has a tradition of participation from the worlds of research, industry, and relevant government agencies. AVSS welcomes contributions in the following areas: a) sensors and data fusion, b) processing, detection and recognition, c) analytics, behavior and biometrics d) interaction and description, e) applications, f) systems, performances and ethical issues, and it also gives unique emphasis to cross-disciplinary and visionary papers. The Conference focuses on underlying theory, methods, systems, and application areas. The list of topics of interest includes, but is not limited to:

A1 Sensor networks	recognition
A2 Microphone arrays	C7 face, iris, fingerprint, ear, gait, voice, novel
A3 Infrared/milliwave/terahertz/visible/3D imaging	biometrics
A4 Heterogeneous sensor processing	D1 Metadata
A5 Multi-sensor calibration	D2 Archival and retrieval (Image, video, sound)
A6 Multi-sensor data association/estimation	D3 Displays
A7 Distributed/Cognitive/Bio-inspired data fusion	D4 Advanced interfaces and visualization tools
B1 Multidimensional signal processing	D5 Object/Situation based coding
B2 Change detection	D6 Wireless, mobile interfaces
B3 Motion detection	E1 Reactive and preventive environments
B4 Feature extraction	E2 Integrated physical and cyber security
B5 Sound, object, scene recognition	E3 Transports (rail, road, air, maritime)
B6 Pattern recognition and machine learning	E4 Unmanned vehicles and robotics
B7 Target tracking	E5 Ambient intelligence
C1 Sound, Video, Multimodal analytics	E6 Protection of Infrastructures
C2 Situation/Threat assessment	F1 Advanced industrial, civilian and military systems
C3- Behavior analysis (work, home, outdoor, indoor, mobile)	F2 Research prototypes
C4 Activity analysis and monitoring	F3 Hardware and software architectures
C5 Interaction analysis for static and mobile environments	F4 User requirements
C6 Event, situation, behavior, threat modeling/	F5 Performance evaluation
	F6 Privacy and surveillance

Paper Submission and Proceedings Publication

Full length papers between 4 and 6 A4 pages in length are solicited. Detailed submission instructions will be posted on the conference website in due time. Each submission will be peer-reviewed in full length by at least two experts. The conference proceedings will be published by the IEEE Computer Society. The AVSS 2009 website <http://www.avss09.org> will provide you with further details. The conference features a track of "open review submissions." Submission under this category is voluntary. The names of the authors will be known to the reviewers and the names of the reviewers will be known to the authors. This entails that the reviewers will write civil, thorough, well-documented, and constructive reviews. Accepted papers will be revised per the reviewers' comments to the extent possible.

Call for Multi-camera Person Tracking Challenge

AVSS 2009 will include a special session covering an open evaluation. Video sequences provided by UK Home Office be distributed and performance evaluation will be carried on by NIST. Tracks will be considered of a designated person as he/she traverses a multi-camera field in airport surveillance video. Details will be available on the AVSS web site.

Special sessions

Three special sessions have been conditionally accepted for AVSS2009: 1) "Fusion Strategies in Modern Surveillance: Theory and Applications" (J.Llinas, L. Snidaro and D. Hall); 2) "Privacy Protected Surveillance" (K. N. Plataniotis and L. P. Kondi); 3) "Urban Surveillance: Challenges, Technologies and Best Practices" (A. Hampapur). High quality papers accepted for the normal tracks can be selected by the organizers to be included in the Special Sessions program.

Important dates

Paper submission:	March 15, 2009
Notification to authors:	May 5, 2009
Camera ready papers due:	May 20, 2009
Early registration:	June 1, 2009
Conference dates:	September 2-4, 2009

Further Information

Web site: <http://www.avss09.org> — Contact email: info@avss09.org
Conference venue: Starhotel President, Corte Lambruschini, 4 - 16129 - Genova (Italy).

General chair:

Carlo Regazzoni
University of Genova

Program chairs:

Stefano Tubaro
Politecnico di Milano
Jean-Luc Dugelay
Eurecom, Sophia Antipolis

Special session chair:

Andrea Cavallaro
Queen Mary, University of London

Challenge chair:

John Garofolo
NIST - National Institute of Standards and Technology

Industrial chair:

Lucio Marcenaro
TechnoAware srl

East-Asia Oceania region liaison :

Massimo Piccardi
University of Sidney

Electronic media chair:

Stefano Maludrottu
University of Genova

Local arrangements chair:

Alessio Dore
University of Genova

Registration chair:

Francesca Grasso
University of Genova

Finance chair:

Franco Gabrielli
University of Genova

Honorary chair:

Ioannis Pavlidis
University of Houston