



AVSS 2008 Program

Last updated:
6/23/2008

Monday, September 1, 2008

7:00am – 6:00pm	Registration open (Mezzanine room)
7:00am – 9am	Complimentary Breakfast (Mezzanine room)
9:00am – 10:00am	Plenary Talk: Dr. Terry Boulton, University of Colorado “Eroding or Opening?”
10:00am – 10:30am	Coffee Break (Lobby)
10:30am – 12:30pm	<p>Session 1 “Object Detection & Recognition I”</p> <p>Textural Segmentation of Sidescan Sonar Images Based on Gabor Filters Bank and</p> <ul style="list-style-type: none"> • Active Contours without Edges (Paper ID 11) <i>Kaveh Samiee and GholamAli Rezaei Rad</i> <p>Vehicle Detection using Multi-level Probability Fusion Maps Generated by a Multi-</p> <ul style="list-style-type: none"> • camera System (Paper ID 23) <i>Francisco Lamosa, Zhencheng Hu and Keiichi Uchimura</i> • Robust unattended and stolen object detection by fusing simple algorithms (Paper ID 27) <i>Juan Carlos San Miguel and Jose M. Martínez Sánchez</i> • Dynamic models for people detection and tracking (Paper ID 36) <i>Lauro Snidaro, Ingrid Visentini and Gian Luca Foresti</i>
12:30 pm – 1:30 pm	Lunch on your own
1:30pm – 3:30pm	<p>Session 2 “Object Detection & Recognition II”</p> <p>On Stable Dynamic Background Generation Technique using Gaussian Mixture</p> <ul style="list-style-type: none"> • Models for Robust Object Detection (Paper ID 39) <i>Mahfuzul Haque, Manzur Murshed and Manoranjan Paul</i> <p>An Integrated System for Moving Object Classification in Surveillance Videos</p> <ul style="list-style-type: none"> • (Paper ID 41) <i>Longbin Chen, Rogerio Feris, Yun Zhai, Lisa Brown and Arun Hampapur</i> • MPEG-7 Motion Descriptor Extraction for Panning Camera using Sprite Generated (Paper ID 52) <i>Muhammad Asif and John Soraghan</i> • Recognizing Shapes in Video Sequences using Multi-class Boosting (Paper ID 68) <i>Naresh Cuntoor and Matt Welborn</i>
3:30pm – 4:00pm	Coffee Break (Lobby)
4:00pm – 6:00pm	<p>Session 3 “Tracking”</p> <p>Camera Handoff with Adaptive Resource Management for Multi-Camera Multi-</p> <ul style="list-style-type: none"> • Target Surveillance (Paper ID 20) <i>Chung-Hao Chen, Yi Yao, David Page, Besma Abidi, Andreas Koschan and Mongi Abidi</i> • Tracking People in Crowds by a Part Matching Approach (Paper ID 43) <i>Zui Zhang, Hatice Gunes and Massimo Piccardi</i> • A Probabilistic Template Update Method (Paper ID 61) <i>Yan Zhou, Panagiotis Tsiamyrtzis and Ioannis Pavlidis</i> • A Probabilistic Bayesian Framework for Model-Based Object Tracking Using Undecimated Wavelet Packet Descriptors (Paper ID 72) <i>Majid Asadi and Carlo Regazzoni</i>
6:00 pm – 9:00 pm	Welcome Reception (La Terraza)

Tuesday, September 2, 2008

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| 7:00am – 6:00pm | Registration open (Mezzanine room) |
| 7:00am – 8:30am | Complimentary Breakfast (Mezzanine room) |
| 8:30am – 9:30am | Plenary Talk: Dr. Nikolaos Papanikolopoulos, University of Minnesota
“Camera Networks for Security Applications” |
| 9:30am – 10:00am | Coffee Break (Lobby) |
| 10:00am – 12:30pm | <p>Session 4 “Activity Monitoring”</p> <ul style="list-style-type: none"> • Action Signature: a Novel Holistic Representation for Action Recognition (Paper ID 15) <i>Simone Calderara, Rita Cucchiara and Andrea Prati</i> • A Localized Approach to Abandoned Luggage Detection with Foreground-Mask Sampling (Paper ID 33) <i>Huei-Hung Liao, Jing-Ying and Liang-Gee Chen</i> • Multi-view access monitoring and singularization in interlocks (Paper ID 50) <i>Luigi Di Stefano, Federico Tombari, Stefano Mattoccia and Matteo Balasso</i> • A General Framework for Live Activity Analysis with Trajectories (Paper ID 64) <i>Brendan Morris and Mohan Trivedi</i> • Object and scene-centric activity detection using state occupancy duration modeling (Paper ID 66) <i>Murtaza Taj and Andrea Cavallaro</i> |
| 12:30 pm – 1:30 pm | Lunch on your own |
| 1:30pm – 3:00pm | <p>Government Session</p> <p>Troy E. Brown, Ph.D. and Dean A. Pollina , Defense Academy for Credibility Assessment (DACA)</p> |
| 3:00pm – 3:30pm | Coffee Break (Lobby) |
| 3:30pm – 5:00pm | <p>Session 5 “Signal Surveillance/Processing & Performance Evaluation”</p> <ul style="list-style-type: none"> • Video Surveillance for Biometrics: Long-Range Multi-Biometric System (Paper ID 67) <i>Faisal Bashir, David Usher, Pablo Casaverde and Marc Friedman</i> • Super-resolution of Facial Images in Video with Expression Changes (Paper ID 73) <i>Jiangang Yu</i> • Evaluation of Background Subtraction Algorithms with Post-processing (Paper ID 22) <i>Donovan Parks and Sidney Fels</i> |
| 7:00 pm to 11:00 pm | <p>Industrial Session & Banquet (La Terraza)</p> <ul style="list-style-type: none"> • Dr. Visvanathan Ramesh, Siemens Corporate Research
“Engineering Challenges in Video Surveillance - an Industrial Perspective” • Dr. Arun Hampapur, IBM T.J. Watson Research Center
“Applying Video Analytics to Physical Security” • Dr. Youngchoon Park, Advanced Security Systems' Research, Johnson Controls, Inc.
“Integration of Advanced Video Surveillance Techniques into Enterprise Aware Security Management” • Dr. Peter H. Tu, GE Global Research
“GE Global Research Intelligent Video” |

Wednesday, September 3, 2008

7:00am – 6:00pm	Registration open (Mezzanine room)
7:00am – 8:30am	Complimentary Breakfast (Mezzanine room)
8:30am – 9:30am	Closing Talk
9:30am – 10:00am	Coffee Break (Lobby)
10:00am – 12:00am	<p>Session 6 “Applications, Systems, Tools I”</p> <ul style="list-style-type: none"> • Spatial Scalable Region of Interest Transcoding of JPEG2000 for Video Surveillance (Paper ID 16) <i>Katharina Quast and André Kaup</i> • Multi-Camera Control Through Constraint Satisfaction for Persistent Surveillance (Paper ID 30) <i>Faisal Qureshi and Demetri Terzopoulos</i> • Fault Detection Framework for Video Surveillance Systems (Paper ID 42) <i>Junqiang Zhou, Simeon Ntafos and Balakrishnan Prabhakaran</i> • Annotation Collection and Online Performance Evaluation for Video Surveillance: the ViSOR Project (Paper ID 45) <i>Roberto Vezzani and Rita Cucchiara</i>
12:00 pm – 1:00 pm	Panel discussion “The AVSS 2008 Open review process” (Boxed Lunch will be served)
1:00pm – 3:00pm	<p>Session 7 “Applications, Systems, Tools II & Sensor networks”</p> <ul style="list-style-type: none"> • The Segmentation of the Supraorbital Vessels in Thermal Imagery (Paper ID 56) <i>Zhen Zhu, Panagiotis Tsiamyrtzis and Ioannis Pavlidis</i> • A Fast Linear Registration Framework for Multi-Camera GIS Coordination (Paper ID 57) <i>Karthik Sankaranarayanan and James Davis</i> • Uncalibrated framework for On-line Camera cooperation to acquire human head imagery in wide areas (Paper ID 59) <i>Alberto Del bimbo, Fabrizio Dini, Andrea Grifoni and Federico Pernici</i> • Person Tracking With Audio-visual Cues Using the Iterative Decoding Framework (Paper ID 62) <i>Shankar Shivappa, Mohan Trivedi and Bhaskar Rao</i>
3:00pm – 5:00pm	<p>Poster session (Coffee will be served)</p> <p>Automatic detection of adverse weather conditions in traffic scenes (Paper ID 38) <i>Massimo Tistarelli, Andrea Lagorio and Enrico Grosso</i></p> <p>Color Retrieval for Video Surveillance (Paper ID 63) <i>Lisa Brown</i></p> <p>Shadow removal in indoor scenes (Paper ID 14) <i>Tuan Nghiem, Francois Bremond and Monique Thonnat</i></p> <p>Foreground Object Detection using Two Successive Images (Paper ID 26) <i>Jung-Ming Wang, Shen Cherng, Chiou-Shann Fuh and Sei-Wang Chen</i></p> <p>Continuous Background Update and Object Detection with Non-static Cameras (Paper ID 70) <i>Yijia Zhao, Mauricio Casares and Senem Velipasalar</i></p> <p>Experimental Analysis of Face Recognition on Still and CCTV images (Paper ID 48) <i>Shaokang Chen, Erik Berglund, Conrad Sanderson, Abbas Bigdeli and Brian Lovell</i></p>

Visual Players Detection and Tracking in Soccer Matches (Paper ID 13) *Pier Luigi Mazzeo, Paolo Spagnolo, Marco Leo and Tiziana D'Orazio*

An Object- and Task-Oriented Architecture for Automated Video Surveillance in Distributed Sensor Network (Paper ID 49) *Eduardo Monari, Sascha Voth and Kristian Kroschel*

Local Initiation Method for Multiple Object Association in Surveillance (Paper ID 69) *Yuntai Kyong, Shung Han Cho, Sangjin Hong and We-Duke Cho*

People Detection and Tracking with TOF Sensor (Paper ID 60) *Rudolf Tanner, Martin Studer, Adriano Zanoloi and Andreas Hartmann*