

CALL FOR PAPERS

5th IEEE International Workshop on

Object Tracking and Classification in and Beyond the Visible Spectrum

Anchorage, Alaska, USA

JUNE 27, 2008

in conjunction with IEEE Conference on Computer Vision and Pattern Recognition 2008

<http://www.vcipl.okstate.edu/otcbvs/08/>

History speaks for itself, and with four consecutive sell-out years, this established workshop series, organized in conjunction with IEEE CVPR conference, certainly has a history of which to be proud. Two special issues of prestigious IJCV and CVIU Journals on highlighted topics of this workshop series have been published recently, and a Springer book will appear soon.

• **Aims and Scope:** The scope of Object Tracking and Classification in and Beyond the Visible Spectrum workshop series (OTCBVS) encompasses many disciplines, including visible, infrared, far infrared, millimeter wave, microwave, radar, synthetic aperture radar, and electro-optical sensors as well as the very dynamic topics of image processing, computer vision and pattern recognition. It is a fertile area for growth in both research analysis and experimentation and includes both civilian and military applications. The availability of ever improving computer resources and continuing improvement in sensor performance have given great impetus to this field of research. This technology "push" has been balanced by a technology "pull" resulting from increasing demand from potential users of this technology including both military and civilian entities as well as needs arising from the growing field of homeland security. This series of OTCBVS workshops creates connections between different communities in the machine vision world ranging from public research institutes to private, military, and medical laboratories. It brings together pioneering academic, industrial and military researchers and engineers in the field of computer vision, image analysis, pattern recognition, signal processing, sensors, and human-computer interaction.

• **Topics and Submission Guidelines:** This fifth IEEE Int'l Workshop on OTCBVS solicits original contributions where *non-visible sensors* from various domains are employed. However, we also encourage the submission of high quality papers that deal with object tracking and classification *in the visible spectrum*. Comparative evaluation studies across the non-visible spectrum for a given computer vision or pattern recognition task are also encouraged. An updated benchmark/test dataset is available at: <http://www.cse.ohio-state.edu/otcbvs-bench/>

The **topics of interest** include: Object/Target Detection/Tracking/Recognition/Classification; Threat/Event recognition; Combining visible & non-visible signals; Information fusion from disparate sensors; Multimodal Facial Recognition; Night vision; Vision augmentation enabling system concepts and components; Avionics systems with augmented vision, Automotive, Medical, Security and Military Applications, ,

The paper submission is due by 5pm **March 15, 2008 EST**. All papers must be submitted anonymously, throughout the website of OTCBVS'08, and in-line with the standard IEEE CVPR paper format. More details at: <http://www.vcipl.okstate.edu/otcbvs/08/>

Workshop Dates:

- Submission of full manuscripts: **March 15, 2008**.
- Notification to authors: April 14, 2008
- Submission of revised manuscripts: April 28, 2008

Organizing and Program Committee

General Chairs: **Riad I. Hammoud**, *Delphi E&S* and **Lawrence Wolff**, *Equinox Corporation / Johns Hopkins University*

Program Chair: **Guoliang Fan**, *Oklahoma State University*

Benchmark Chair: **James W. Davis**, *Ohio State University*

Program Committee: **Besma Abidi**, *U of Tennessee, Knoxville, USA*; **Gregory Baratoff**, *SiemensVDO Automotive, Germany*; **George Bebis**, *U of Nevada, Reno, USA*; **Bir Bhanu**, *U of California, Riverside, USA*; **Patrick Bouthemy**, *INRIA/IRISA, France*; **Alberto Broggi**, *U di Parma, Italy*; **James W. Davis**, *Ohio State U, USA*; **Larry Davis**, *U of Maryland, MD, USA*; **Guoliang Fan**, *Oklahoma State U, USA*; **Riad I. Hammoud**, *Delphi E&S, USA*; **Katsushi Ikeuchi**, *IIS, U of Tokyo, JAPAN*; **Robert McMillan**, *U.S. Army Space and Missile Defense Command, USA*; **Swarup Medasani**, *HRL Laboratories, CA, USA*; **Gerard Medioni**, *U of S. California, USA*; **Nasser Nasrabadi**, *Army Research Lab, USA*; **Barbara Lynn O'Kane**, *US Army Night Vision Lab, USA*; **J.-M. Odobez**, *U of Maine, FRANCE*; **Ioannis Pavlidis**, *U of Houston, USA*; **Ali Pezeshki**, *Princeton U, USA*; **Fatih Porikli**, *Mitsubishi MERL, USA*; **Firooz Sadjadi**, *Lockheed Martin Corp, USA*; **Andrea Salgian**, *The College of New Jersey, USA*; **Diego Socolinsky**, *Equinox Corporation, USA*; **Mubarak Shah**, *U of Central Florida, USA*; **Mohan Trivedi**, *U of California, San Diego, USA*; **Nitin M. Vaidya**, *Millivision Technologies, USA*; **Lawrence B. Wolff**, *Johns Hopkins U, USA*; **Djemel Ziou**, *U of Sherbrooke, Canada*.

Sponsors: IEEE, Delphi Electronics & Safety, and Equinox Corporation