CALL FOR PAPERS

4^{th} IEEE International Workshop on

Object Tracking and Classification in and Beyond the Visible Spectrum

Minneapolis, MN, USA JUNE 22, 2007

in conjunction with IEEE Conference on Computer Vision and Pattern Recognition 2007

http://www.vcipl.okstate.edu/otcbvs/07/

• **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 second 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*. Additionally, emphasis will be placed on new and traditional applications of visible and non-visible imagery. 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: Automatic Object Detection and Tracking; Object Recognition and Classification; Event recognition; Pose Estimation and Tracking; Vision and Radar Fusion; Combining Visible and non-Visible Signals; Multimodal Facial expression and Face Recognition; Night vision; Smart Systems/Sensors Automotive, Medical, Security and Military Applications.
The paper submission is due by 5pm **March 20, 2007 EST**. All papers must be submitted anonymously, throughout the website of OTCBVS'07, and in-line with the standard IEEE CVPR paper format. More details at: `http://www.vcipl.okstate.edu/otcbvs/07/`

Workshop Dates:

- Submission of full manuscripts: **March 20, 2007**.
- Notification to authors: April 17, 2007
- Submission of revised manuscripts: April 25, 2007
- OTCBVS workshop day: June 22, 2007

Organizing and Program Committee

Chair: **Riad I. Hammoud**, *Delphi Electronics & Safety, USA,* `riad.hammoud@delphi.com`

Co-Chair: **Ioannis Pavlidis**, *University of Houston, USA,* `ipavlidi@central.uh.edu`

Proceedings/Website Chair: **Guoliang Fan**, *Oklahoma State University, USA,* `glfan@okstate.edu`

Benchmark Chair: **James W. Davis**, *Ohio StateUniversity, USA,* `jwdavis@cse.ohio-state.edu`

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 Electronics & Safety, 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 Southern 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* ; **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* –

Industrial Liaison: **TBD**, **Sponsors**: IEEE, Delphi Corporation, Delphi E&S

Links to 05 and 06 meetings: `www.cse.ohio-state.edu/otcbvs/06/` `www.cse.ohio-state.edu/otcbvs/05/`