

CALL FOR PAPERS

3rd IEEE International Workshop on

Object Tracking and Classification in and Beyond the Visible Spectrum

New York, NY, USA

JUNE 22, 2006

in conjunction with IEEE Conference on Computer Vision and Pattern Recognition 2006

<http://www.cse.ohio-state.edu/otcbvs/06/>

● **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 15, 2006 EST** – Final deadline. All papers must be submitted anonymously, throughout the website of OTCBVS'06, and in-line with the standard IEEE CVPR paper format. More details at: www.cse.ohio-state.edu/otcbvs/06/

Workshop Dates:

- Submission of full manuscripts: **March 15, 2006.**
- Notification to authors: April 12, 2006
- Submission of revised manuscripts: April 20, 2006
- OTCBVS workshop day: June 22, 2006

Organizing and Program Committee

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

Co-Chair: **James W. Davis**, *Ohio State University, USA*, jwdavis@cse.ohio-state.edu

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