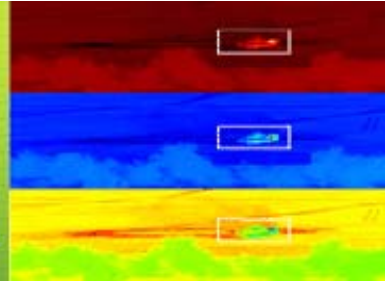


7th IEEE Workshop on Object Tracking and Classification Beyond and in the Visible Spectrum



In conjunction with **IEEE CVPR 2010, San Francisco, CA**



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CALL FOR PAPERS

7th IEEE International Workshop on
Object Tracking and Classification Beyond and in the Visible Spectrum
Hyatt Regency, San Francisco, California, Jun. 13, 2010

History speaks for itself, and with six 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 an outstanding Springer-Verlag book “*Augmented Vision Perception in Infrared: Algorithms & Applied Systems*”, 2009. A new Springer-Verlag book “*Machine Vision Beyond the Visible Spectrum*” to be published in late 2010 collects the extended versions of several selected papers in past two workshops and a few invited chapters.

Aims and Scope: The scope of Object Tracking and Classification Beyond and in Visible Spectrum workshop series (OTCBVS) encompasses many disciplines, including visible, infrared, far infrared, millimeter wave, microwave, radar, synthetic aperture radar, and electrooptical 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, machine learning, signal processing, sensors, and human-computer interaction.

Topics and Submission Guidelines: This seventh 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 tracking, recognition 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. More details can be found from <http://www.otcbvs.com>.

Importance Dates

Submission of Papers: March 12, 2010
Notification to Authors: April 05, 2010
Camera Ready Submission: April 11, 2010
OTCBVS Workshop: June 13, 2010

