



VP4S-06: The First International Workshop on *Video Processing for Security*

June 7-9, Quebec City, Canada
www.computer-vision.org/4security



In conjunction with Canadian conference Computer & Robot Vision (**CRV'06**) and its joint conferences: Artificial Intelligence (**AI'06**) and Computer Graphics (**GI'06**)

Important dates in 2006:

January 29: Paper submission
February 21: Review decision
March 4: Final papers due
April 23: Posters & demos due
June 8-11: Workshop is held

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Call for papers

Advances in Computer Vision can provide many useful solutions for *Security and Biometrics industry*, in particular in the area, which has become of prime importance recently - the *Processing of Video*.

With this in mind, the **First International Workshop on Video Processing for Security (VP4S-06)** is organized as a follow-up of past Workshops on Face Processing in Video: **FPiV'04** (held jointly with CVPR'04) and **FPiV'05** (held jointly with **CRV'05**) with its interest extended from *face detection, tracking, recognition, coding etc.* to *people, objects, scene and action detection, tracking and recognition etc.*

The focus of the **VP4S-06** workshop remains dealing with *video data*, in particular such as coming from *TV, surveillance cameras or web/PDA cameras*, while the main theme of the workshop is shifted towards *security-related applications*.

Aims. The goal of the **VP4S-06** workshop is two-fold:

- First, to provide a Computer Vision scientists a market-driven inspiration and perspective to their work, and
- Second, to provide the Security and Biometrics industry with the references to academic computer-vision work addressing the area.

For the former, the workshop invites scientists to discuss problems related to Video Processing, as they are (or can be) applied to security and biometrics applications, and, as a result, to produce a collection of high-quality papers addressing these problems.

For the latter, the workshop web-site will serve as a medium with links to the computer vision research and demos dealing with security applications.

Workshop Layout. Following the layout of its predecessors, the **VP4S-06** workshop will consist of a day of a single-track oral presentations, posters and demos, as well as an invited talk, which will be open to all attendees of the joint conferences: **AI'06, GI'06, CRV'06**.

Workshop proceedings. The papers accepted for the workshop will be published by IEEE as part of the CRV'06 Proceedings, the hardcopy of which will be distributed at the CRV'05 conference. The workshop proceedings will be also automatically archived into the IEEE Computer Society's digital library and the IEEE's Xplore and IEL digital libraries and indexed through the INSPEC indexing service.

Reviewing Process. Reviewing will be double blind. Each paper will be reviewed by at least two Program Committee members and one or two additional reviewers. The goal is to have as vigorous and fair reviewing of all papers as possible.

Paper submission procedure

Original full-size papers written in English analyzing video with respect in the context of a security or biometrics application are welcomed for submission. The suggested topics are listed below:

- faces in video: tracking, detecting, memorizing and recognizing faces in video
- people in video: tracking and backtracking people in video
- searching for objects in video
- scene and activity detection and annotation
- video-based alarm systems and video for crime prevention
- video for surveillance

Jim Little,
U. of British Columbia, Canada

Michael J. Lyons,
ATR, Japan

Anurag Mittal,
Siemens, USA

Dimitris Samaras,
SUNY Stony Brook, USA

Yingli Tian,
IBM TJ Watson Research Center, USA

Matthew Turk,
UCSB, USA

Rick Wildes
York U., Canada

Svetlana N. Yanushkevich
U. of Calgary, Canada

John Zelek,
U. of Waterloo, Canada

- video for biometrics, soft- and hard- biometrics from video
- making video more intelligent
- multiple-person and gang tracking
- multi-camera people tracking
- combining video data with other sensor data: range, photo, fingerprints
- video over internet, issues related to privacy of video
- face biometrics, modeling, and models
- facial expression recognition and classification, and representation
- performance evaluation for face in video problems
- video-based benchmarks and databases
- processing of video from stereo and panoramic cameras
- combining video and audio for person detection/recognition
- video-based interfaces and computer-human interaction for security
- analyzing multiplexed video, demultiplexing of video
- improving quality of video: anti-aliasing and super-resolution

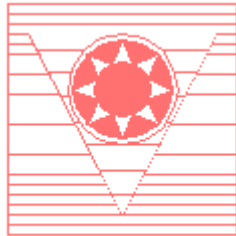
Format & Size. Papers should be formatted using the guidelines described at the **CRV'06** website. Papers should be written in English, [full size](#) and complete, eight double-column pages maximum.

Blind review requirement: Papers should not include any information that would indicate the author's identity (references to authors' previous work should be left blank).

How to submit. Submission of papers is done by emailing them as [.pdf files](#) to the **Submission Chair** at the email address given above. The subject of email [must](#) read "**VP4S-06 submission**". In the accompanying letter, authors [must](#) include.

- 1) the title of the paper,
- 2) keywords of the paper,
- 3) the names and affiliations of the authors
- 4) the name and email of the contact author

Contributing partners:



CIPPRS / ACTIRF

NRC · CRC

Every submitted paper will be assigned a submission number, which will be emailed to the contact author.

Poster and demo submission

Layout: The papers which are not accepted for publication can still be presented at the **VP4S-06** as Posters or Demos. They will not be published in the Proceedings. They will have however the same exposure to the attendees of the joint conferences as other papers and will be included in the workshop website.

How to submit: Email the extended abstract as attachment to Program Chairs with the subject "**VP4S-06 submission**". The message body should contain the title of the poster/demo and the contact information for the main author.

Registration and venue

Participation in the workshop without submitting a paper is welcomed. For a single registration fee, the workshop participants will also be able to attend the joint conferences. Student participation is encouraged by significantly discounted registration fees.

Quebec city, known as little France in North America, offers the visitors a variety of affordable and interesting places to visit.

