



CALL FOR PAPERS: CRV 2007
Fourth Canadian Conference on Computer and Robot Vision
<http://www.computerrobotvision.org/>

The Fourth Canadian Conference on Computer and Robot Vision (CRV2007) will take place in Montreal, May 28-30, 2007. CRV is a single-track conference consisting of high quality, previously unpublished papers.

CRV seeks contributions of complete, original research papers on any aspect of computer vision, robot vision, robotics, medical imaging, image processing or pattern recognition, including but not restricted to the following topics:

- Applications - biomedical, robotic, surveillance, inspection, entertainment
- Biometrics
- Calibration & rectification (Mosaicking)
- Early vision
- Face detection & recognition
- Human activity recognition
- Illumination, color & reflectance
- Image and video retrieval
- Learning & classification methods
- Medical image analysis
- Motion analysis (optical flow, structure from motion, correspondences)
- Object recognition
- Performance evaluation techniques
- Segmentation & grouping
- Shape analysis
- Stereo
- Texture analysis
- Tracking (2D/3D)
- Robot vision (general)
- Mapping / SLAM / Environment Modeling
- Learning from sensor data
- Vision-based navigation
- Real-time sensing and control
- Robot control architectures
- Sensor fusion
- Action selection
- Assisted teleoperation
- Space robotics
- Multi-robot systems
- Sensor networks
- Software tools for vision and robotics

CRV provides an excellent environment for interdisciplinary interaction as well as for networking of students and scientists in computer vision, robotic vision, robotics, image understanding and pattern recognition. In addition to the regular sessions, there will be three invited speakers. There will be four paper awards: one for the best overall paper, one for the best paper with a student as first author, and area awards for the best paper in vision and robotics.

JOURNAL SPECIAL ISSUE:

We anticipate that the best papers of CRV2007 will appear in a special issue of the Journal of Image and Vision Computing.

JOINT CONFERENCES:

CRV2007 will be held in conjunction with GI2007 (Graphics Interface), AI2007 (Artificial Intelligence), and Precarn Intelligent Systems (Precarn IS). For a single registration fee, participants can attend presentations at any of AI/GI/CRV/IS conferences. Fees to attend all four conferences are the same. Proceedings of the other conferences can be purchased at the conference.

The International workshop on Video Processing and Recognition (VideoRec'07) will be co-located with CRV. For more information, please check the workshop's website: <http://www.computer-vision.org/VideoRec07>

REGISTRATION:

CRV2007 registration information will be available at the conference website:

<http://computerrobotvision.org/>

A significantly reduced registration fee is available to students. Reduced fees are also available to CIPPRS and IAPR members. CIPPRS welcomes members from all countries.

PAPER SUBMISSIONS:

Paper Submission Deadline: January 12th, 2007
Acceptance/Rejection notification: March 5th, 2007
Revised camera-ready papers due: March 16th, 2007

Papers should be written in English. Paper length is limited to eight double-column pages. Style files for Latex and Word are available at the CRV 07 web site. Papers must be submitted online in PDF format through the conference submission web page.

All papers will be reviewed by the Program Committee and may be accepted for full or poster presentation. All accepted papers will appear in the conference proceedings. The complete proceedings will be available online after the conference through the IEEE digital libraries.

CRV 2007 CO-CHAIRS:

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