

2nd CALL FOR PAPERS: CRV 2005
Canadian Conference on Computer and Robot Vision
<http://www.computerrobotvision.org/>
Submission deadline: January 31

The Canadian Conference on Computer and Robot Vision (CRV2005) will take place in Victoria, British Columbia, May 9-11, 2005. CRV is a single-track conference consisting of high quality, previously unpublished papers, presented either orally or as a poster. Only full papers will be considered, no (extended) abstracts please. Contributions are sought on any aspect of computer vision, robot vision, robotics, medical imaging, image processing or pattern recognition, including but not restricted to the following topics:

- 2D/3D Scene analysis
- Active Vision
- Applications - biomedical, robotic, surveillance, inspection, entertainment
- Augmented Reality
- Biometrics
- Biological & Psychological aspects of Vision
- Calibration & Rectification (Mosaicking)
- Document Processing & Handwriting Recognition (OCR)
- Early Vision
- Face Detection & Recognition
- Gesture Detection & Recognition
- Graphics Recognition/Engineering Drawings
- Human Activity Recognition
- Human-Computer Interaction
- Image/Video Databases (multi-media, image/video retrieval)
- Image Segmentation & Classification
- Industrial applications (manufacturing)
- Learning & Classification methods
- Motion Analysis (optical flow, structure from motion, correspondences)
- Neural Nets for Vision & Image Understanding
- Object Recognition
- Performance Evaluation Techniques
- Real-time Vision
- Robotic Vision (general)
- Servo-control
- Vision based navigation
- Environment modeling
- Sensor fusion
- Sensor Reliability
- Robot Mapping/Localization
- SLAM (Simultaneous Localization and Mapping)
- Robot Control Architectures
- Real-time sensing and control
- Reactive systems
- Sensor-based control
- Shared control
- Space Robotics
- Learning from sensor data
- Shape Analysis
- Stereo vision
- Texture Analysis
- Tracking (2D/3D)
- Video Processing (motion, segmentation, registration)
- Medical Image Analysis

The conference 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 regular sessions, there will be also 3 invited speakers. There will be 2 awards: one for the best regular paper and one for the best student paper (the student must be the first author).

JOINT CONFERENCES:

CRV2005 will be held in conjunction with GI2005 (Graphics Interface) and AI2005 (Artificial Intelligence). For a single registration fee, participants can attend presentations at any of AI/GI/CRV conferences. Fees to attend all three conferences are the same. Proceedings of the other conferences can be purchased at the conference.

The Second Workshop on Face Processing in Video (FPiV '05) will be co-located with CRV, and take place on May 12. Admission to the workshop is free to all CRV registrants. Further information on FPiV is available at the workshop web site: <http://visioninterface.net/fpiv05>

REGISTRATION:

You can obtain a registration form at the CIPPRS website (www.cipprs.org). This conference promotes participation of students by significantly reducing the student registration fee. There is also a reduction in registration fees for CIPPRS members and IEEE members. CIPPRS welcomes members from all countries.

PAPER SUBMISSIONS:

Paper Submission Deadline (no extensions): January 31, 2005
Acceptance/Rejection notification (tentative): February 14, 2005
Revised camera-ready papers due (tentative): February 27th, 2005

Papers are invited in English only. The length of the papers should be limited to eight double-column pages. Style files for latex and Word are available at the CRV 05 web site. Submissions (in pdf, ps or doc) are to be done electronically through the conference submission web page. Please adhere to the page limitations (8 pages with 2 additional pages at \$250CD per page) as the time between acceptance of your paper and submission of the final draft to IEEE is 1 week!

All papers will be thoroughly reviewed by the Program Committee. The accepted papers will be published in the conference proceedings, the hard copy of which will be distributed at the conference. We are arranging for the proceedings to be made available on-line through the IEEE digital libraries. IEEE will hold the paper copyright (you will have to sign a form agreeing to this when your paper is accepted).

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