Welcome to Victoria, British Columbia, and the Second Canadian Conference on Computer and Robot Vision. This conference is second successor to 16 Vision Interface conferences, the last of which was held in Halifax, Nova Scotia in 2003. CRV 2005 will continue the VI/CRV tradition for providing an excellent forum for the Canadian and International Computer and Robot Vision communities to share their work. As usual, our conference is co-sponsored by CIPPRS/ACTIRF (Canadian Image Processing and Pattern Recognition Society/Association Canadienne de Traitement d’Images et de Reconnaissance des Formes) and IAPR (International Association for Pattern Recognition), with additional support provided by the Canadian Space Agency. CIPPRS/ACTIRF is a special interest group of the Canadian Information Processing Society (CIPS) and is the official Canadian member of the governing board of the International Association for Pattern Recognition (IAPR). The goal of CIPPRS/ACTIRF is to promote research and development activities in Computer Vision, Robot Vision, Image Processing, Medical Imaging and Pattern Recognition.

In addition to our sponsors, the conference proceedings are published by the IEEE Computer Society, and will be available on-line through IEEE Xplore and the IEE/IIEEE (Institution of Electrical Engineers) Electronic Libraries (IEL). The proceedings are also indexed through the INSPEC indexing service. We believe the heightened exposure of our conference will increase significantly its visibility and desirability as a venue for high quality paper publication. We are also arranging to submit the best papers of CRV 2005 to a prominent journal in vision computing.

This year, we have an excellent collection of papers which have been reviewed by three reviewers on average from a 67 member program committee assembled from a world-wide community of vision researchers. This year we received a total of 115 submissions, an increase of 31 percent, out of which 45 papers were accepted for oral presentation (39 percent), 11 of the oral presentations will be offered in two special sessions, while another 35 papers were accepted as poster papers (31 percent). We believe all of the conference papers are of excellent quality. This year, we are pleased to add a special session on Face Processing in Video, organized by Dmitry Gorodnichiy at the National Research Council and Aleix Martinez at Ohio State University, as well as a special session on Intelligent Systems, organized by Denis Laurendeau and Alexandra Branzan Albu, both at Université Laval. Finally, this year we are offering two poster sessions, to maximize your opportunities to discuss current work with the authors.

The invited speakers this year are highly recognized international scientists and they cover the latest research trends in medical imaging, robotic perception and computer vision. Two co-located conferences, Artificial Intelligence (AI’2005) and Graphic Interface (GI’2005), will offer attendees the opportunity to take in quality presentations in fields that are tightly linked with ours. We hope you will find the CRV 2005 conference a rewarding and enjoyable experience.

The organization of a conference is a task that requires the collaboration of many people. We personally would like to thank warmly all members of the CRV 2005 program committee. Without their help and dedication it would not be possible to produce this proceedings of high-quality papers in such a short time frame. Their effort deserves special thanks as the turnaround time between submissions and decisions was only three weeks. We would like to thank John Barron at the University of Western Ontario for his tireless guidance and assistance, and CIPPRS President Gregory Dudek for additional time and support. Special acknowledgements go to the Canadian Space Agency and NSERC, whose support permitted our organizing efforts. And of course, many thanks go to all authors who submitted their papers, no matter whether their papers were accepted or not.

Your CRV Chairs,

Ioannis Rekleitis, Canadian Space Agency
and

Robert Sim, Department of Computer Science, University of British Columbia