

# Call for Papers

## 20th Conference on Robots and Vision (CRV 2023)

Montreal, Quebec, Canada | June 6 - June 8, 2023 | [www.computerrobotvision.org](http://www.computerrobotvision.org)

The 20th Conference on Robots and Vision seeks high-quality paper submissions from all aspects of robotics and computer vision. In particular, CRV 2023 invites contributions in the following areas:

3-D Point Clouds, Depth Cameras	Early Vision	Multi-Robot Systems
3-D Reconstruction	Environment Modeling	Object Recognition and Detection
Active Perception	Faces, Gestures, Body Poses	Perceptual Organization
Activity Recognition	Features: Detection, Description, Matching	Photogrammetry, Remote Sensing
Attention	Field Robotics	Real-Time Perception
Biologically-Motivated Perception	Grasping	Reinforcement Learning
Biometrics	Human-Robot Interaction	Representation Learning
Calibration	Image Retrieval	Robust/Adaptive Robotic Control
Camera Networks	Localization, Mapping, Odometry, SLAM	Segmentation
Classification	Machine Learning for Perception	Sensor Fusion
Computational Photography	Manipulation	Sensor-Based Planning and Control
Convolutional Networks	Medical Imaging	Shape Representation
Deep Learning	Mosaicking	Software Tools for Vision & Robotics
Document Analysis	Motion and Tracking	Vision for Autonomous Vehicles
Domain Adaptation, Transfer Learning	Motion and Path Planning	Visual Servoing

### Important Dates

Paper Submission Deadline: March 5, 2023  
Decision Notifications: April 14, 2023  
Camera-Ready Deadline: April 29, 2023  
Conference: June 6 - June 8, 2023

We are planning an in-person conference. Before submitting to CRV 2023, please ensure that at least one author of each accepted paper is committed to registering and attending CRV 2023

### Submission Guidelines

Submissions must be standalone papers, of 4-8 pages in length and in [IEEE format](#). Papers must describe the original research. Duplicate submissions to other conferences or workshops are strictly prohibited.

## Conference Proceedings

Accepted papers will be published by Conference Publishing Services (CPS) and will be submitted to IEEE Xplore.

For more information, contact the CRV 2023 program co-chairs:

[Ke Li, Simon Fraser University](#)  
[Hsiu-Chin Lin, McGill University](#)

The Conference on Robots and Vision is sponsored by the Canadian Image Processing and Pattern Recognition Society (CIPPRS) and is jointly located with the Canadian Conference on AI