Call for Papers
18th Conference on Robots and Vision (CRV 2021)


New in 2021, the 18th Conference on Robots and Vision seeks high-quality paper submissions from all aspects of robotics and computer vision. In particular, CRV 2021 invites contributions in the following areas:

### Important Dates

- **Paper Submission Deadline:** February 11, 2021
- **Decision Notifications:** March 25, 2021
- **Camera-Ready Papers Deadline:** April 15, 2021
- **Virtual Conference:** May 26-28, 2021

### Submission Guidelines

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

### Conference Proceedings

Accepted papers will be published by IEEE publishing services and will appear on IEEExplore.

For more information, contact the CRV 2021 program co-chairs:
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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.

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### New Research Areas

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