

Time		Date
PDT	EDT	31 May Tuesday
7:45	10:45	Conference Welcome Steven Waslander & Jonathan Kelley
7:50	10:50	Sponsored Talk Ryan Smith, Oxbotica Location: CRV zoom
8:10	11:10	Keynote Speaker #1: Lourdes Agapito, University College London Location: CRV zoom Title: Learning to Reconstruct the 3D World from Images and Video Chair: Helge Rhodin
9:15	12:15	Coffee Break
9:30	12:30	Oral Session 1: 3D Vision Location: CRV zoom Symposium speakers (12 min talk + 3 min Q&A each) Siyu Tang (ETH) Conference paper orals (7 min talk each + 10 min Q&A for all papers) 23 A Simple Method to Boost Human Pose Estimation Accuracy by Correcting the Joint Regressor for the Human3.6m Dataset 30 Instance Segmentation of Herring and Salmon Schools in Acoustic Echograms using a Hybrid U-Net 33 Supervised Contrastive Learning for Detecting Anomalous Driving Behaviours from Multimodal Videos
10:30	13:30	Lunch Break CIPPRS AGM
11:30	14:30	Oral Session 2: Planning and Control Location: CRV zoom Symposium speakers (12 min talk + 3 min Q&A each) Mahdis Bisheban (University of Calgary) Conference paper orals (7 min talk each + 10 min Q&A for all papers) 20 ROS-X-Habitat: Bridging the ROS Ecosystem with Embodied AI 50 Temporal Convolutions for Multi-Step Quadrotor Motion Prediction
12:30	15:30	Coffee Break
12:45	15:45	Poster session and industry booths Location: Gather town Chair: Helge Rhodin & Hsiu-Chin Lin <i>Join Gather town in your browser and roam around using the arrow keys. Allow the app to access your camera and mic, to be able to chat with the other attendees as in a normal poster session. Open posters by moving closeby and pressing 'x' on your keyboard. Hint 1: You can hear and be heard by people roughly half a screen away. Enter a private space (e.g., table indicated by gray highlight) to speak in privacy. Hint 2: You can go in stealth/ghost mode by pressing 'g' Hint 3: If running into trouble, disable your VPN, use a modern browser, and refresh the browser tab.</i> CRV posters (listing paper id and paper title) 2 Multiple Classifiers Based Adversarial Training for Unsupervised Domain Adaptation 3 Semi-supervised Grounding Alignment for Multi-modal Feature Learning 6 The GIST and RIST of Iterative Self-Training for Semi-Supervised Segmentation 7 A View Invariant Human Action Recognition System for Noisy Inputs 11 Adaptive Memory Management for Video Object Segmentation 12 M2A: Motion Aware Attention for Accurate Video Action Recognition 13 Object Class Aware Video Anomaly Detection through Image Translation 17 Integrating High-Resolution Tactile Sensing into Grasp Stability Prediction 21 The Lasso Method for Multi-Robot Foraging
13:45	16:45	Student Networking Event Location: [Gather town] <i>Round tables with topics ranging from "How to survive grad school?" to "The Latest Advances on Neural Radiance Fields". From students, for students; seniors are very welcome to chime in, learn and share their view.</i>
14:45	17:45	Welcome Event (In-Person) Location: Faculty Club, University of Toronto

Time		Date
PDT	EDT	1 June Wednesday
7:45	10:45	Conference Welcome Steven Waslander & Jonathan Kelley
7:50	10:50	Sponsored Talk Bruno Monsarrat, NRC Location: CRV zoom
8:10	11:10	Keynote #2: Maurice Fallon, University of Oxford Location: CRV zoom Title: Multi-Sensor Robot Navigation and Subterranean Exploration Chair: Hsiu-Chin Lin
9:15	12:15	Coffee Break
9:30	12:30	Oral Session 3: Learning-based Planning and Perception Location: CRV zoom Symposium speakers (12 min talk + 3 min Q&A each) Mo Chen (Simon Fraser University) Conference paper orals (7 min talk each + 10 min Q&A for all papers) 24 Inter- & Intra-City Image Geolocalization 27 A Permutation Model for the Self-Supervised Stereo Matching Problem 31 Occlusion-Aware Self-Supervised Stereo Matching with Confidence Guided Raw Disparity Fusion
10:30	13:30	Lunch Break
11:30	14:30	Oral Session 4: Text Recognition Location: CRV zoom Symposium speakers (12 min talk + 3 min Q&A each) Samira Ebrahimi Kahou (ETS and Milla) Conference paper orals (7 min talk each + 10 min Q&A for all papers) 39 Occluded Text detection and Recognition in the Wild 49 Classification of handwritten annotations in mixed-media documents
12:30	15:30	Coffee Break

12:45	15:45	<p>Poster session and industry booths Location: Gather town Chair: Helge Rhodin & Hsiu-Chin Lin</p> <p>Join Gather town in your browser and roam around using the arrow keys. Allow the app to access your camera and mic, to be able to chat with the other attendees as in a normal poster session. Open posters by moving closeby and pressing 'x' on your keyboard. Hint 1: You can hear and be heard by people roughly half a screen away. Enter a private space (e.g., table indicated by gray highlight) to speak in privacy. Hint 2: You can go in stealth/ghost mode by pressing 'g' Hint 3: If running into trouble, disable your VPN, use a modern browser, and refresh the browser tab.</p> <p>CRV posters (listing poster board id and paper title) 10 Understanding the impact of image and input resolution on deep digital pathology patch classifiers 26 Attention based Occlusion Removal for Hybrid Telepresence Systems 32 Improving tracking with a tracklet associator 37 Anomaly Detection with Adversarially Learned Perturbations of Latent Space 38 An Exact Fast Fourier Method for Morphological Dilation and Erosion Using the Umbra Technique 46 Monocular Robot Navigation with Self-Supervised Pretrained Vision Transformers 47 TemporalNet: Real-time 2D-3D Video Object Detection 48 Safe Landing Zones Detection for UAVs Using Deep Regression 53 CellDefectNet: A Machine-designed Attention Condenser Network for Electroluminescence-based Photovoltaic Cell Defect Inspection</p>
13:45	16:45	<p>Sponsored Talk Apeksha Kumavat, Gatik Location: CRV zoom</p>
14:30	17:30	<p>Awards Ceremony (joint CRV & AI session) [Gather town] Join Gather Town via the link above and interact as in the poster session. Announcement of best paper awards, social events, and more</p>
15:15	18:15	End of Day 2

Time		Date
PDT	EDT	6/2/2022
7:45	10:45	<p>Conference Welcome Steven Waslander & Jonathan Kelley</p>
7:50	10:50	<p>Sponsored Talk Apeksha Kumavat, Gatik Location: CRV zoom</p>
8:10	11:10	<p>Keynote #3: Peter Corke, Queensland University of Technology Location: CRV zoom Title: Hand-eye coordination (and other things) Chair: Hsiu-Chin Lin</p>
9:15	12:15	Break
9:30	12:30	<p>Oral Session 5: Reasoning in 3D Location: CRV zoom</p> <p>Symposium speakers (12 min talk + 3 min Q&A each) Mengye Ren (Google Brain)</p> <p>Conference paper orals (7 min talk each + 10 min Q&A for all papers) 40 Learned Intrinsic Auto-Calibration from Fundamental Matrices 44 3DVQA: Visual Question Answering for 3D Environments 42 Uncertainty-Aware Policy Sampling and Mixing for Safe Interactive Imitation Learning</p>
9:15	12:15	Lunch Break
11:30	14:30	<p>Dissertation Award Winners Location: CRV zoom</p> <p>Symposium speaker (12 min talk + 3 min Q&A each) Glen Berseth (Université de Montréal)</p> <p>The 2021 Dissertation Award Winners (12 min talk + 3 min Q&A) Winner in Vision (to be announced) Winner in Robotics (to be announced)</p>
12:30	15:30	<p>CRV Closing remarks Helge Rhodin and Hsiu-Chin Lin CRV Program Chairs</p>
		End of Day 3