

The 32nd Canadian Conference in Computational Geometry (CCCG), August 5-7, 2020

The time is in (UTC - 6)		Wednesday, Aug 5
9.45 AM - 10.00 AM	Opening of CCCG 2020 - Day 1	
10.00 AM - 11.00 AM	Erik Demaine	Paul Erdős Memorial Lecture
11.00 AM - 11.10 AM	Break	
11.10 AM - 11.40 AM	Session 1.1 (Geometric Covering Problems)	Session 1.2 (Paths, Robots, Planning)
	Chair: Mark Keil [All Videos]	Chair: Debajyoti Mondal [All Videos]
	Ahmad Biniiaz and Zhikai Lin. Minimum Ply Covering of Points with Convex Shapes [video]	David Caballero, Angel A. Cantu, Timothy Gomez, Austin Luchsinger, Robert Schweller and Tim Wylie. Relocating Units in Robot Swarms with Uniform Control Signals is PSPACE - Complete [video]
	Hongyao Huang and Benjamin Raichel. Convex Hull Complexity of Uncertain Points [video]	David Caballero, Angel A. Cantu, Timothy Gomez, Austin Luchsinger, Robert Schweller and Tim Wylie. Building Patterned Shapes in Robot Swarms with Uniform Control Signals [video]
	Georgiy Klimenko, Benjamin Raichel and Gregory Van Buskirk. Sparse Convex Hull Coverage [video]	Man - Kwun Chiu, Erik D. Demaine, Yevhenii Diomidov, David Eppstein, Robert A. Hearn, Adam Hesterberg, Matias Korman, Irene Parada and Mikhail Rudoy. New Results in Sona Drawing: Hardness and TSP Separation [video]
	Daniel Lokshtanov, Chinmay Sonar, Subhash Suri and Jie Xue. Fair Covering of Points by Balls [video]	Jared Coleman, Evangelos Kranakis, Oscar Morales - Ponce, Jaroslav Opatrny, Jorge Urrutia and Birgit Vogtenhuber. Minimizing The Maximum Distance Traveled To Form Patterns With Systems of Mobile Robots [video]
	Anil Maheshwari, Saeed Mehrabi, Sasanka Roy and Michiel Smid. Covering Points with Concentric Objects [video]	Mansoor Davoodi, Hosein Enamzadeh and Ashkan Safari. Path Planning in a Weighted Planar Subdivision Under the Manhattan Metric [video]
	Sima Hajiaghahi Shanjani. Hardness of Approximation for Red - Blue Covering [video]	Christian Scheffer. Scheduling Three Trains is NP - Complete [video]
11.40 AM - 12.00 PM	Break	
12.00 PM - 12.30 PM	Session 2.1 (Folding and Polyhedra)	Session 2.2 (Graphs and Geometry)
	Chair: Anna Lubiw [All Videos]	Chair: Pat Morin [All Videos]
	Kingston Yao Czaikowski, Erik D. Demaine, Martin L. Demaine, Kim Eppling, Robby Kraft, Klara Mundilova and Levi Smith. Folding Small Polyominoes into a Unit Cube [video]	Siu - Wing Cheng, Otfried Cheong and Taegyong Lee. Fitting a Graph to One - Dimensional Data [video]
	Erik D. Demaine, Martin L. Demaine, David Eppstein and Joseph O'Rourke. Some Polycubes Have No Edge Zipper Unfolding [video]	Hsien - Chih Chang and Tim Ophelders. Planar Emulators for Monge Matrices [video]
	Erik D. Demaine, Martin L. Demaine and David Eppstein. Acutely Triangulated, Stacked, and Very Ununfoldable Polyhedra [video]	Ben Chugg, William S. Evans and Kelvin Wong. Simultaneous Visibility Representations of Undirected Pairs of Graphs [video]
	Kristin DeSplinter, Satyan Devadoss, Jordan Readyhough and Bryce Wimberly. Nets of higher-dimensional cubes [video]	Mark Keil, Debajyoti Mondal and Ehsan Moradi. Finding a Maximum Clique in a Grounded 1 - Bend String Graph [video]
	Tonan Kamata, Akira Kadoguchi, Takashi Horiyama and Ryuhei Uehara. Efficient Folding Algorithms for Regular Polyhedra [video]	Vincent Despre, Michaël Rao and Stéphan Thomassé. Testing Balanced Splitting Cycles in Complete Triangulations [video]
	Joseph O'Rourke. Vertex - Transplants on a Convex Polyhedron [video]	Haitao Wang and Yiming Zhao. A Linear - Time Algorithm for Discrete Radius Optimally Augmenting Paths in a Metric Space [video]

The time is in (UTC - 6) Thursday, August 6

9.45 AM - 10.00 AM	Welcome to Day 2	
10.00 AM - 11.00 AM	Jeff Erickson	Ferran Hurtado Memorial Lecture
11.00 AM - 11.10 AM	Break	
11.10 AM - 11.40 AM	Session 3.1 (Data - Structures and Queries)	Session 3.2 (Point Sets and Spanners)
	Chair: Debajyoti Mondal [All Videos]	Chair: Amir Nayyeri [All Videos]
	<i>Sergey Bereg and Mohammadreza Haghpanah. Computing the Caratheodory Number of a Point [video]</i>	<i>Davood Bakhshesh and Mohammad Farshi. A Degree 3 Plane 5.19 - Spanner for Points in Convex Position [video]</i>
	<i>Ovidiu Daescu and Ka Yaw Teo. Characterization and Computation of Feasible Trajectories for an Articulated Probe with a Variable - Length End Segment [video]</i>	<i>Prosenjit Bose, Paz Carmi, Stephane Durocher, Shahin Kamali and Arezoo Sajadpour. Non - Crossing Matching of Online Points [video]</i>
	<i>David Eppstein. Dynamic Products of Ranks [video]</i>	<i>Kevin Buchin, Herman Haverkort and Hidde Koerts. Restricted - Weight Minimum - Dilation Spanners on Three Points [video]</i>
	<i>Abrar Kazi and Michiel Smid. Closest - Pair Queries and Minimum - Weight Queries are Equivalent for Squares [video]</i>	<i>Maike Buchin and Bernhard Kilgus. Frechet Distance Between Two Point Sets [video]</i>
	<i>Ming Ouyang. Parallel topological sweep [video]</i>	<i>Gábor Damásdi and Dömötör Pálvölgyi. Realizing m - uniform four - chromatic hypergraphs with disks [video]</i>
	<i>Don Sheehy. One - Hop Greedy Permutations [video]</i>	<i>Neeldhara Misra, Harshil M. and Aditi Sethia. Red - Blue Point Separation for Points on a Circle [video]</i>

11.40 AM - 12.00 PM Break

12.00 PM - 12.30 PM	Session 4.1 (Guarding, Strategies)	Session 4.2 (Discrete Geometry and Clustering)
	Chair: Saeed Mehrabi [All Videos]	Chair: Mark Keil [All Videos]
	<i>Péter Ágoston. A lower bound on the number of colours needed to nicely colour a sphere [video]</i>	<i>Sariel Har - Peled and Mitchell Jones. Some Geometric Applications of Anti - Chains [video]</i>
	<i>Hugo Akitaya, Erik D. Demaine, Jason S. Ku, Jayson Lynch and Csaba D. Tóth. 2048 Without Merging [video]</i>	<i>Frederik Jensen, Aadi Joshi and Saurabh Ray. Discrete Helly type theorems [video]</i>
	<i>Kyle Clarkson and Will Evans. External Exploration of a Convex Polygon [video]</i>	<i>Benjamin Holmgren, Brittany Fasy, David Millman and Bradley McCoy. If You Must Choose Among Your Children, Always Pick the Right One [video]</i>
	<i>Ovidiu Daescu and Hemant Malik. City Guarding with Limited Field of View [video]</i>	<i>Kirk Gardner and Don Sheehy. A Simple Algorithm for kNN Sampling in General Metrics [video]</i>
	<i>Omid Gheibi and Hamid Zarrabi - Zadeh. Blind Voronoi Game [video]</i>	<i>Alejandro Flores - Velazco. Social Distancing is Good for Points too! [video]</i>
	<i>Jonathan Lenchner and Eli Packer. Line Segment Visibility: Theoretical and Experimental Results [video]</i>	

The time is in (UTC - 6) Friday, August 7

9.45 AM - 10.00 AM	Welcome to Day 3	
10.00 AM - 11.00 AM	Yusu Wang	Godfried Toussaint Memorial Lecture
11.00 AM - 11.10 AM	Break	
11.10 AM - 11.40 AM	Open Problem Session [Chair: Joseph O'Rourke]	
11.40 AM - 11.50 AM	Break	
11.50 AM - 12.30 PM	Business Meeting	