

JCDCG³ 2022 (Sept. 09--11, JST) Program ver. 5

	Room A	Room B	Room C
Sept 09 (FRI)			
10:30--10:45	Opening Remark (Jin Akiyama)		
10:45--11:45	Session 1-1: Invited Talk 1 (Chair: Erik D. Demaine)		
	Joseph O'Rourke (Smith College, USA). Reshaping Convex Polyhedra		
11:45--13:00	Lunch Break		
13:00--14:00	Session 1-2: Contributed Talks 3x3		
	Session 1-2A: Geometry (Chair: Chie Nara)	Session 1-2B: Graphs (Chair: Kenta Ozeki)	Session 1-2C: Games & Puzzles (Chair: Hirotaka Ono)
(13:00--13:19)	Ikuro Sato, Johannes Schoenke and Jin Akiyama. Regular polygon on the equatorial section of regular n-simplex	Mikio Kano and Michitaka Furuya. Degree factors with red-blue coloring of regular graphs	Kento Kimura and Kazuyuki Amano. Upper Bounds on the Minimum Number of Pieces for Anti-slide Packing
(13:20--13:39)	Mook Kwon Jung, Sang Duk Yoon, Hee-Kap Ahn and Takeshi Tokuyama. Universal Convex Covering Allowing Discrete Rotations	Atsuki Nagao and Sawako Ogawa. Algorithms for Burning Schedule Reconfiguration Problem on Path Forests	Sam Spiro, Erlang Surya and Ji Zeng. Semi-restricted RPS
(13:40--13:59)	Supanut Chaidee, Ponpailin Homsombat and Pattaradanai Jaima. A Family of Convex Polyhedra generated by Regular Polylinks	Syafrizal Sy. The set multipartite ramsey numbers for paths versus wheels	Ravi K. Rai, Makoto Yokoo and Urban Larsson. Discrete Richman-bidding Partizan Games
14:00--14:15	Break		
14:15--15:35	Session 1-3: Contributed Talks 3x4		
	Session 1-3A: Geometry (Chair: Hirotaka Ono)	Session 1-3B: Graphs (Chair: Shin-ichi Tokunaga)	Session 1-3C: Games & Puzzles (Chair: Michael Lampis)
(14:15--14:34)	Johannes Schoenke. Motion Bounded Maximum Volumes: An Optimization Problem Applied to Kaleidocycle Shapes	Masato Tanaka and Tomomi Matsui. New Formulation for Coloring Circle Graphs	Shio Nagahara and Atsuki Nagao. PSPACE-completeness of generalized Quarto!
(14:35--14:54)	Xuehou Tan. Largest convex hulls for constant size, convex-hull disjoint clusters	Shin-ichi Tokunaga. A Sufficient condition for an n-vertex plane graph to have a dominating set of size at most $n/4$	Chao Yang. On the Computational Complexity of Pushing Machine
(14:55--15:14)	Kevin Goergen, Henning Fernau, Esther Oest and Petra Wolf. All Paths Lead to Rome	Robert Barish and Tetsuo Shibuya. Counting 2-factors of 4-regular bipartite graphs is #P-complete	Prem Kant, Urban Larsson, Ravi K. Rai and Akshay V. Upasany. Constructive comparison in bidding combinatorial games
(15:15--15:34)	Yasuko Matsui and Shin-ichi Nakano. Find Routes on a Doughnut	Binay Bhattacharya, Sandip Das and Subhadeep Dev. An Improved Algorithm for the Weighted k-Center Problem on Cactus Graphs	Balázs Patkós, Milos Stojakovic and Máté Vizer. The Constructor-Blocker Game
15:35--16:00	Break (25 minutes)		
16:00--17:00	Session 1-4: Invited Talk 2 (Chair: Kenta Ozeki)		
	Carol T. Zamfirescu (Ghent University, Belgium). Counting Cycles in Regular and Planar Graphs		

	Room A	Room B	Room C
Sept 10 (SAT)			
09:30--10:30	Session 2-1: Invited Talk 3 (Chair: Ryuhei Uehara)		
	Erik D. Demaine (MIT, USA). Pushing Block Puzzles		
10:30--10:45	Break		
10:45--11:45	Session 2-2: Contributed Talks 3x3		
	Session 2-2A: Geometry (Chair: Hiro Ito)	Session 2-2B: Graphs (Chair: Kenta Ozeki)	Session 2-2C: Games & Puzzles (Chair: Aaron Williams)
(10:45--11:04)	Erik Demaine, Martin Demaine, David Eppstein, Hiro Ito, Yuta Katayama, Wataru Maruyama and Yushi Uno. Geodesic paths passing through all faces on a polyherdon	Eduardo Rivera-Campo. A note on odd-graceful trees	Robert Alaniz, Timothy Gomez, Robert Schweller and Tim Wylie. Fewest Moves Inequality Constraint Puzzles
(11:05--11:24)	Kimberly Kokado and Csaba Toth. Nonrealizable planar and spherical occlusion diagrams	Oriol Andreu Solé Pi. Pair crossing number, cutwidth, and good drawings on arbitrary point sets	Bin Fu, Timothy Gomez, Elise Grizzell, Andrew Rodriguez, Robert Schweller and Tim Wylie. Reachability in Population Protocols is PSPACE-Complete
(11:25--11:44)	Sergey Bereg, Manuel Lafond and Binhai Zhu. The Two-Squirrel Problem and Its Relatives	Severino Gervacio. Edge-intersection graph of induced paths in a graph	Andrew Rodriguez. Reachability in Pikmin Cave Sublevels is PSPACE-Complete
11:45--13:00	Lunch Break		
13:00--14:00	Session 2-3: Invited Talk 4 (Chair: Mikio Kano)		
	Xueliang Li (Nankai University, China). Rainbow Cycles in Edge-Colored Graphs		
14:00--14:15	Break		
14:15--15:35	Session 2-4: Contributed Talks 3x4		
	Session 2-4A: Geometry (Chair: Hiro Ito)	Session 2-4B: Graphs (Chair: Shin-ichi Tokunaga)	Session 2-4C: Games, Puzzles, & Math (Chair: Atuski Nagao)
(14:15--14:34)	Toshinori Sakai. Weights of convex quadrilaterals in weighted point sets	Reginaldo Marcelo, Mark Anthony Tolentino, Agnes Garciano, Mari-Jo Ruiz and Jude Buot. On the Vertex Identification Spectra of Grids	Yuki Tokuni, Ryohei Miyadera, Hikaru Manabe, Aoi Murakami and Shouei Takahasi. Arithmetic Mean and Geometric Mean
(14:35--14:54)	Hiro Ito, Kanaya Shunsuke and Risa Tamechika. Numerically balanced dice on isohedral polyhedron	S. Balamoorthy, S.V. Bharanedhar and N. Kamatchi. On the group vertex magic of join of two graphs	Junyi Guo and Hsiang-Chun Hsu. Finding triplets in "Dobble"
(14:55--15:14)	David Yost, Guillermo Pineda-Villavicencio and Jie Wang. Polytopes with low excess degree	Kotaro Tsutsumi, Yoshio Sano and Takahito Kuno. On Reconfiguration of Directed Graph Homomorphisms	Tomoaki Abuku, Ko Sakai, Masato Shinoda and Koki Suetsugu. Some extensions of Delete Nim
(15:15--15:34)	Withdrawn: Jin Akiyama, Kiyoko Matsunaga, Sachiko Nakajima, Natsumi Oyamaguchi and Reiko Shinjo. N-buds and framed torus link	Iwao Mizukai and Akifumi Sako. Ollivier Ricci curvature of Cayley graphs for dihedral, generalized quaternion and cyclic groups	
15:35--15:50	Break		
15:50--17:10	Session 2-5: Contributed Talks 3x4		
	Session 2-5A: Geometry (Chair: Chie Nara)	Session 2-5B: Graphs (Chair: Michael Lampis)	Session 2-5C: Games & Puzzles (Chair: Atuski Nagao)
(15:50--16:09)	Kazuki Matsubara and Chie Nara. Continuous flattening of polyhedra with rigid edges	Jan Goedgebeur, Jarne Renders, Gábor Wiener and Carol Zamfirescu. On K2-hamiltonian graphs	Keito Tanemura, Ryohei Miyadera, Yuki Tokuni and Hikaru Manabe. Combinatorial Games and Genetic Programming
(16:10--16:29)	Chie Nara and Jin-Ichi Itoh. Continuous folding of the surface of a hypercube onto its facet	Vasyl Ustimenko. On new results on extremal and algebraic graphs and their applications.	Ryohei Miyadera, Hikaru Manabe and Aditi Singh. Restricted Nim with a Pass (P-positions of Chocolate Games)
(16:30--16:49)	Trun Vishal Ramteke. Unfoldings of Hypercube Unfoldings that tile R2	Vinothkumar K, S. Balamoorthy and T. Kavaskar. Wiener Index of the Ideal-Based Zero-Divisor Graph of Finite Commutative Ring with Unity	Ryohei Miyadera, Hikaru Manabe and Aditi Singh. Previous Player's Positions of Three-Dimensional Chocolate Games with a Restriction on the Size of Chocolate
(16:50--17:09)		James Tuite and Aditi Krishnakumar. On lower position numbers in graphs	

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Sept 11 (SUN)			
09:30--10:30	Session 3-1: Invited Talk 5 (Chair: Mari-jo P. Ruiz) Edy T. Baskoro (Institut Teknologi Bandung, Indonesia). On the Existence of Almost Moore Digraphs		
10:30--10:45	Break		
10:45--12:05	Session 3-2: Contributed Talks 3x4		
	Session 3-2A: Geometry (Chair: Ryuhei Uehara)	Session 3-2B: Graphs (Chair: Yoshio Okamoto)	Session 3-2C: Games, Puzzles, & Math (Chair: Aaron Williams)
(10:45--11:04)	Hugo Akitaya and Narayana Kandarpa. Unfolding Skeletons	Orville Buelban, Agnes Garciano, Reginaldo Marcelo, Shunsuke Nakamura and Ayaka Mori. Stars in Forbidden Triples Generating a Finite Set of 4-connected Graphs	Josh Brunner, Lily Chung, Michael Coulombe, Erik D. Demaine, Timothy Gomez and Jayson Lynch. Complexity of Solo Chess with Unlimited Moves
(11:05--11:24)	Yiyang Jia and Thomas C Hull. A transformation from map folding to Boolean matrix algebra	Withdrawn: John Rick Manzanares and Paul Samuel Ignacio. Stable Homology-Based Centrality Measures for Weighted Graphs	Aviv Adler, Joshua Ani, Lily Chung, Michael Coulombe, Erik D. Demaine, Yevhenii Diomidov and Quanguan Liu. This Game Is Not Going To Analyze Itself
(11:25--11:44)	Nattawut Phetmak and Jittat Fakcharoenphol. Folding every point on a polygon boundary to a point	Piyashat Sripratak and Sayan Panma. On the Bounds of the Double Domination Numbers and Game Domination Numbers of Glued Graphs	Hal Sudborough, Sergey Bereg, Brian Malouf and Mohammadreza Haghpanah. Improved Bounds on Permutation Arrays for Chebyshev Metric
(11:45--12:04)	Chihiro Nakajima. Ising spin model for global flat-foldability of origami	I Nengah Suparta and I Gede Febryana Ryadi. Some Graceful C4-Related Chain Graphs	Hal Sudborough, Sergey Bereg, Brian Malouf, Mohammadreza Haghpanah and William Bumpass. Improved Permutation Arrays for Kendall Tau Metric
12:05--13:15	Lunch Break		
13:15--14:15	Session 3-3: Invited Talk 6 (Chair: Yoshio Okamoto) János Pach (Rényi Institute, Hungary and IST, Austria). Enumeration of Intersection Graphs of Geometric Objects		
14:15--14:30	Group Photo -> Break		
14:30--15:50	Session 3-4: Contributed Talks 2x4		
	Session 3-4A: Geometry, Games, & Puzzles (Chair: Ryuhei Uehara)	Session 3-4B: Graphs (Chair: Yoshio Okamoto)	
(14:30--14:49)	Miloš Stojaković and Jelena Stratijev. Two Strong Avoider-Avoider Games	I Wayan Palton Anuwiksa, Rinovia Simanjuntak and Edy Tri Baskoro. Multipartite Ramsey Numbers of Double Stars	
(14:50--15:09)	Juri Barkey, Dennis Clemens, Fabian Hamann, Mirjana Mikalački and Amedeo Sgueglia. Multistage Positional Games	Faisal Susanto, Rinovia Simanjuntak and Edy Tri Baskoro. Trees with certain total vertex irregularity strength	
(15:10--15:29)	Jorem Jordan Cawagas, Eduard Taganap and Edna Gueco. Plain Weavings on Polyhedra	Ganesha Lapenangga Putra. H-supermagic labeling of edge-comb product of graphs related to path and cycle	
(15:30--15:49)	Dmitry Berdinsky and Prohrok Kruengthomya. Finite Automata Encoding Functions: An Approach Using Computational Geometry	Chunhui Lai. An old problem of Erdos	
15:50--16:05	Closing Remark (Toshinori Sakai)		