

**第二十七届中日离散与计算几何、图论与博弈论国际会议日程**

Beijing Time (UTC +8)	September 12, 2025	September 13, 2025	September 14, 2025
09:00-12:00	Opening Ceremony Plenary Talk-1	Plenary Talk-3	Plenary Talk-5
	Contributed Talks (A1)	Parallel Contributed Talks (A3,B3)	Parallel Contributed Talks (A6,B6)
	Group Photo		
12:00-14:00	Lunch Break		
14:00-18:00	Plenary Talk-2	Plenary Talk-4	Parallel Contributed Talks (A7, B7)
	Parallel Contributed Talks (A2,B2)	Parallel Contributed Talks (A4,B4,A5,B5)	Plenary Talk-6 Closing Remarks

September 11, 2025, Registration @Easeland Hotel Guangzhou			
September 12, 2025, Opening Ceremony, S109			
Beijing Time (UTC +8)			Event
09:00–09:30	Chao Yang		Opening and congratulating Ceremony
September 12, 2025, Plenary Talk-1, Online, S109			
Time	Chair	Speaker	Title
09:30–10:30	Ryuhei Uehara	Erik Demaine	Impossible Mario Levels, and Other Hard Games and Puzzles
10:30–10:50	Tea Break		

September 12, 2025, Contributed Talks (A1), Online, S109			
10:50–11:10	Chao Yang	<u>Jin Akiyama</u> , Erik Demaine, Stefan Langerman and Kiyoko Matsunaga	The Dudeney pair is the only one reversible pair among ones of regular polygons
11:10–11:30		<u>Ivan Hal Sudborough</u> , Zooey Baker, Sergey Bereg and Zevi Miller	On Finding Optimum Permutation Arrays for Chebyshev Distances
11:30–12:00	Group Photo		
12:00–14:00	Lunch Break		

September 12, 2025, Plenary Talk-2, S109			
Time (UTC +8)	Chair	Speaker	Title
14:00–15:00	Erxiao Wang	Liping Yuan	On $\mathcal{F}$ -convexity and related problems
15:00–15:20	Tea Break		

September 12, 2025, Parallel Contributed Talks (A2), S109			
Time	Chair	Speaker	Title
15:20–15:40	Liping Yuan	<u>Yasuko Matsui</u>	Enumerate All Minimum Cost Edge-Colorings of Trees
15:40–16:00		<u>Toshinori Sakai</u>	Embedding of Cycles into the Plane Containing Given Point Sets with Many Self-Crossings
16:00–16:20		Atsuki Nagao and <u>Karin Umebayashi</u>	Pre-assignment Uniquification for Hamiltonian Cycle Problem on 4-Regular Planar Graph
16:20–16:40		Korina Ernjulie Manaloto and <u>Rovin Santos</u>	Prime labeling of some graphs using Eisenstein integers
16:40–17:00		<u>Muhammad Rafif Fajri</u> , Hilda Assiyatun, Edy Tri Baskoro and Erma Suwastika	An Introduction to Inverse Ramsey-Minimal Graphs for Matchings in Regular Graphs

September 12, 2025, Parallel Contributed Talks (B2), S117			
Time	Chair	Speaker	Title
15:20–15:40	Robert Barish	Yanqiu Tan, <u>Tonan Kamata</u> and Ryuhei Uehara	Computational Complexity on Hexa Gravity Puzzles
15:40–16:00		Chuzo Iwamoto and <u>Aoi Shibata</u>	Nuritwin is NP-complete
16:00–16:20		<u>Piyashat Sripratak</u>	Connectedness of the Graph from $(n^2-1)$ -puzzle with 1 Fixed Cell
16:20–16:40		<u>Benjamin Rin</u> and Daniël Andel	Hive is PSPACE-Hard
16:40–17:00		Praewa Thongtawee, Awika Kaewniam, Thamon Pandam and <u>Pinkaew Siri Wong</u>	Strategies for Solving the Net Puzzle

September 13, 2025, Plenary Talk-3, S109			
Time (UTC +8)	Chair	Speaker	Title
09:00–10:00	Chao Yang	Stefan Langerman	Hard and Easy Problems on Periodic Graphs
10:00–10:20	Tea Break		

September 13, 2025, Parallel Contributed Talks (A3), S109			
Time	Chair	Speaker	Title
10:20–10:40	Yasuko Matsui	<u>Zan-Bo Zhang</u> , Wenhao Wu and Weihua He	Cycles of lengths 3 and $n - 1$ in digraphs under a Bang-Jensen-Gutin-Li type conditon
10:40–11:00		<u>Zerui Sun</u> , Eunju Park, Dennis Wong and Zuling Chang	A simple greedy $k$ -ary de Bruijn sequence construction
11:00–11:20		<u>Sigit Pancahayani</u> , Rinovia Simanjuntak and Saladin Uttunggadewa	Ascending subgraph decomposition of complete bipartite graphs and their antimagic labelings
12:00–14:00	Lunch Break		
September 13, 2025, Parallel Contributed Talks (B3), S117			
Time	Chair	Speaker	Title
10:20–10:40	Toshinori Sakai	<u>Kanae Yoshiwatari</u>	Bicolored Arc Kayles with misère play is PSPACE-complete
10:40–11:00		<u>Benjamin Rin</u> , Marius Drop and Finn van der Velde	Quoridor is PSPACE-Complete
11:00–11:20		Dumplings The Cat, Viet Pham and <u>Penying Rochanakul</u>	Purring for Points: A Strategic Guide to Maximizing Scores in Calico
11:20–11:40		<u>Atsuki Nagao</u> , Nanari Sano, Ayako Satomi and Mei Sekiguchi	Card-Based Physical Zero-Knowledge Proofs for Distance-Aware and Arithmetic Puzzles
12:00–14:00	Lunch Break		

September 13, 2025, Plenary Talk-4, S109			
Time (UTC +8)	Chair	Speaker	Title
14:00–15:00	Xuehou Tan	Siu Wing Cheng	Constant Factor Approximation of the Fréchet Distance
15:00-15:20	Tea Break		

September 13, 2025, Parallel Contributed Talks (A4), S109			
Time	Chair	Speaker	Title
15:20–15:40	Siu-Wing Cheng	<u>Min Yan</u> , Erxiao Wang and Ze Zhu	Hexagonal Tiling of the Plane
15:40–16:00		<u>Yixi Liao</u> , Junjie Shu and Erxiao Wang	Tilings of the sphere by congruent pentagons IV: Edge combination a4b with general angles
16:00–16:20		<u>Jinjin Liang</u> , Yixi Liao, Wenchuan Hu and Erxiao Wang	Tilings of the sphere by congruent pentagons V : edge combination a4b with rational angles
16:20–16:40		<u>Haofang Sun</u>	Edge - to - edge tiling of the sphere by congruent curvilinear quadrilaterals
16:40–17:00	Tea Break		

September 13, 2025, Parallel Contributed Talks (A5), S109			
Time	Chair	Speaker	Title
17:00–17:20	Min Yan	Wen Chen, Jinjin Liang and <u>Erxiao Wang</u>	Non-side-to-side tilings of the sphere by congruent triangles with any irrational angle
17:20–17:40		<u>Chunlin Li</u> and Jie Wu	Tilings of genus-two surfaces by twelve congruent heptagons
17:40–18:00		<u>Robert Barish</u> and Tetsuo Shibuya	Cubic Planar Positive \$1\$-in-\$3\$ Satisfiability and the complexity of tiling finite simply connected regions

September 13, 2025, Parallel Contributed Talks (B4), S117			
Time (UTC +8)	Chair	Speaker	Title
15:20–15:40	Hiro Ito	Ryohei Miyadera, Ryuuto Hara, <u>Akihiro Hamada</u> , Eisuke Shimizu and Hikaru Manabe	Silver Dollar Game with a Pass
15:40–16:00		Ryohei Miyadera, <u>Aoi Murakami</u> , Kahori Komaki and Akito Tsujii	A Variant of Wythoff's Game and Hofstadter's G-sequence
16:00–16:20		Ryouhei Miyadera, <u>Enchong Li</u> , Akito Tsujii, Hikaru Manabe and Kahori Komaki	Variants of Silver Dollar Game
16:20–16:40		<u>Rahmat Al Kafi</u> and Pawat Paksaranuwat	The Extended Partial-Geometric Distribution: Characteristics and Applications
16:40–17:00	Tea Break		
September 13, 2025, Parallel Contributed Talks (B5), S117			
Time	Chair	Speaker	Title
17:00–17:20	Supanut Chaidee	<u>Shun-Ichi Kimura</u> , Hiyu Inoue and Shin-Nosuke Kadowaki	A very short history of Ending Partizan Games ~ A new playing ground for game researchers~
17:20–17:40		<u>Hiroki Inazu</u>	Ending Partizan Quotient
17:40–18:00		Tomoaki Abuku, Hiroki Inazu, Shun-Ichi Kimura, Koki Suetsugu, Kosaku Watanabe and Takahiro Yamashita	Combinatorial games and the golden ratio on digraphs

September 14, 2025, Plenary Talk-5, S109			
Time (UTC +8)	Chair	Speaker	Title
09:00–10:00	Hiro Ito	Ryuhei Uehara	Undecidable Puzzles
10:00–10:20	Tea Break, S106		
September 14, 2025, Parallel Contributed Talks (A6), S109			
Time	Chair	Speaker	Title
10:20–10:40	Stefan Langerman	<u>Nanako Omiya</u> , Ryo Yoshinaka and Ayumi Shinohara	Misere Greedy Nim and Misere Bounded Greedy Nim
10:40–11:00		<u>Jie Wu</u> and Chunlin Li	Tilings of genus two surfaces by one or two congruent polygons
11:00–11:20		Liping Tang and <u>Michiko Ogaku</u>	Linguistic indirectness in public cheap talk games
11:20–11:40		Phapaengmuang Sukkasem, <u>Supanut Chaidee</u> and Aekawit Kittiya	Geometric Strategy Analysis for Magnetic Chess Game
September 14, 2025, Parallel Contributed Talks (B6), S117			
Time	Chair	Speaker	Title
10:20–10:40	Xueliang Li	<u>Chie Nara</u> and Joseph O'Rourke	Quasigeodesics on the Regular Icosahedron
10:40–11:00		Ryouhei Miyadera, <u>Ryuuto Hara</u> , Akihiro Hamada, Eisuke Shimizu and Hikaru Manabe	Variants of Nim with a Forced Pass
11:00–11:20		Ryouhei Miyadera, Enchong Li, Ryuuto Hara, Akihiro Hamada, <u>Eisuke Shimizu</u> , Shoei Takahashi and Aoi Murakami	Restricted Nim with a Pass and a Forced Pass
11:20–11:40		Ryouhei Miyadera, Hikaru Manabe, Enchong Li, <u>Akito Tsujii</u> , Aoi Murakami and Kahori Komaki	Combinatorial Games with a Pass
12:00–14:00	Lunch Break		

September 14, 2025, Parallel Contributed Talks (A7), S109			
Time (UTC +8)	Chair	Speaker	Title
14:00–14:20	Zan-Bo Zhang	<u>Te Ba</u> and Ze Zhou	A gradient descent algorithm for computing circle patterns
14:20–14:40		<u>Yiyang Jia</u> and Jun Mitani	Combinatorics and Algebra of $1 \times n$ Cyclic Stamp Folding
14:40–15:00		Shun-Ichi Kimura, Koki Suetsugu, <u>Kosaku Watanabe</u> and Takahiro Yamashita	Triangular nim with S-Wythoff twist
September 14, 2025, Parallel Contributed Talks (B7), S117			
Time	Chair	Speaker	Title
14:00–14:20	Chie Nara	<u>Yu Fujiwara</u> , Tatsuya Gima, Yasuaki Kobayashi and Yota Otachi	Computing the edge-cut width of a graph
14:20–14:40		<u>Hiro Ito</u> and Kotaro Kabutoishi	Masyu (pearl puzzle) is constant-time testable
14:40–15:00		<u>Xuehou Tan</u> , Rong Chen and Tai Liu	A new approach to the two-center problem for pairs of points
15:00–15:20	Tea Break		
September 14, 2025, Plenary Talk-6, S109			
Time	Chair	Speaker	Title
15:20–16:20	Jianxi Liu	Xueliang Li	Rainbow and properly colored subgraphs
16:20–16:30			Closing Remarks
September 15, 2025, Leave			