

Technical Program: JCCGG 2009

November 10, Tuesday			
18:00-20:00	Registration Desk Open		
November 11, Wednesday			
9:20-	Registration Desk Open		
9:50-10:40	Session 1: Invited Talk 50 min		
	János Pach: <i>Thrackles and Other Embeddings with Many Crossings</i>		
10:40-11:00	Coffee Break		
11:00-12:20	Session 2: Contributed Talks 20 min/talk		
	Session 2A Geometric Algorithms on the Plane	Session 2B Combinatorial Geometry	Session 2C Graph Theory
	Greg Aloupis, Jean Cardinal, Sébastien Collette, Erik D. Demaine, Martin Demaine, Muriel Dulieu, Ruy Fabila-Monroy, Vi Hart, Ferran Hurtado, Stefan Langerman, Maria Saumell, Carlos Seara and Perouz Taslakian: <i>Matching Points with Things</i>	Toshinori Sakai and Jorge Urrutia: <i>Convex Decompositions of Point Sets in the Plane</i>	Kiyoshi Ando: <i>Wide-diameter of a k-connected graph with diameter d</i>
	Asish Mukhopadhyay, Eugene Greene and Animesh Sarker: <i>Approximate minimum spanning ellipse in the streaming model</i>	Takayasu Kuwata and Hiroshi Maehara: <i>On Plane Figures Satisfying the Steinhilber Condition</i>	Vadim Levit and Eugen Mandrescu: <i>Critical Independent Sets and König-Egerváry Graphs</i>
	Sang Won Bae, Matias Korman and Yoshio Okamoto: <i>On the Geodesic Diameter in Polygonal Domains</i>	Kiyoshi Hosono: <i>On an empty triangle with the maximum area in planar point sets</i>	Avapa Chantasartrassmee and Narong Punnim: <i>Regular Graphs with Maximum Forest Number</i>
	Rajendra P Lal, P. Sai Prasad and S V Suryanarayana: <i>An Algorithm for Shortest Path in Polygons with Disc Obstacles</i>	Takahisa Toda: <i>Convex Sets in a Real Projective Space and Its Application to Computational Geometry</i>	Narong Punnim and Sermsri Thaitae: <i>The Hamiltonian number of some classes of cubic graphs</i>
12:20-13:50	Lunch Break		
13:50-14:40	Session 3: Invited Talk 50 min		
	Mikio Kano: <i>Discrete Geometry on Red and Blue Points on the Plane Lattice</i>		
14:40-15:00	Coffee Break		

15:00-16:00	Session 4: Contributed Talks 20 min/talk		
	Session 4A Geometric Incidences	Session 4B Combinatorial Design	Session 4C Decompositions of Graphs
	Kevin Buchin, Radoslav Fulek, Masashi Kiyomi, Yoshio Okamoto, Shin-ichi Tanigawa and Csaba D. Tóth: <i>A tight lower bound for convexly independent subsets of the Minkowski sums of planar point sets</i>	Narong Punnim: <i>Graphs and their arboricities</i>	Takahiro Tsuno and Yukio Shibata: <i>Factorization of Generalized de Bruijn and Kautz Digraphs by Loop-Rooted Trees</i>
	Jin Akiyama, Hiro Ito, Midori Kobayashi and Gisaku Nakamura: <i>Arrangements of n points whose incident-line-numbers are at most $n/2$</i>	Nittiya Pabhapote and Narong Punnim: <i>Group divisible designs with two associate classes and $\lambda_1 \geq \lambda_2$</i>	Shinya Fujita: <i>Recent Progress on Balanced Decompositions in Vertex-Colored Graphs</i>
	Jin Akiyama, Hiro Ito, Midori Kobayashi and Gisaku Nakamura: <i>Arrangements of eleven points in the plane, each with five incident lines</i>	Narong Punnim and Chariya Uiyysathian: <i>Group divisible designs with two associate classes</i>	Kazuhiko Ushio: <i>Balanced C_8-Bowtie Designs</i>
16:00-16:20	Coffee Break		
16:20-18:00	Session 5: Contributed Talks 20 min/talk		
	Session 5A Tiling and Packing	Session 5B Combinatorial Enumeration and Algorithms	Session 5C Graph Coloring and Related Topics
	Hiroko Hayashi, Kazushi Komatsu and Fumihiko Nakano: <i>Notes on vertex atlas of planar Danzer tiling</i>	Anita Das: <i>A Combinatorial Approach to the Tanny Sequence</i>	Wongsakorn Charoenpanitseri, Narong Punnim and Chariya Uiyysathian: <i>On (k, t)-choosability of graphs</i>
	Hiroshi Fukuda, Chiaki Kanomata, Nobuaki Mutoh, Gisaku Nakamura and Doris Schattschneider: <i>Symmetry of Isohedral Tilings of Polyominoes and Polyiamonds as Fundamental Domains</i>	Yusuke Watanabe and Kenji Fukumizu: <i>New graph polynomials satisfying deletion-contraction relations</i>	Timothy James Yusun, Mari-Jo Ruiz and Ian June Garces: <i>Rainbow Colorings of Generalized Petersen Graphs</i>
	Hiroshi Koizumi and Kokichi Sugihara: <i>Maximum Eigenvalue Problem for Escherlization</i>	Yosuke Kikuchi, Katsuhisa Yamanaka and Shin-Ichi Nakano: <i>Enumerating All Graphical Sequences</i>	Kishore Yadav, Satish Varagani, Kishore Kothapalli and V. Ch. Venkaiah: <i>Acyclic Vertex Coloring of Graphs of Maximum Degree 4</i>
	Shuji Yamada, Jinko Kanno and Miki Miyauchi: <i>Multi-Sized Sphere Packing</i>	Katsuhisa Yamanaka and Shin-ichi Nakano: <i>Efficient Enumeration of All Ladder Lotteries with k Bars</i>	Toru Hasunuma, Toshimasa Ishii, Hirotaka Ono and Yushi Uno: <i>Recent Advances on the $L(2, 1)$-labeling Problem</i>

November 12, Thursday			
9:20-10:40	Session 6: Contributed Talks 20 min/talk		
	Session 6A Navigation and Visibility	Session 6B Geometric Proximity	Session 6C Graph Classes
	Tsunehiko Kameda, Ichiro Suzuki and John Zhang: <i>Minimization of Distance Traveled in Surveillance of a Polygonal Region from the Boundary</i>	Thomas Iwazsko, Mahmoud Melkemi and Lhassane Idoumghar: <i>Regions of Empty Overlapping Circles</i>	Hazrul Iswadi, Edy Tri Baskoro, Hilda Assiyatun and M Salman: <i>Metric dimension of antipodal and pendant-free block-cactus graphs</i>
	Alireza Davoodi, Pooyan Fazli, Philippe Pasquier and Alan K. Mackworth: <i>On Multi-Robot Area Coverage</i>	Yvan Maillot, Bruno Adam and Mahmoud Melkemi: <i>Locally Density Adaptative Alpha Shape</i>	Masanobu Furuse, Yota Otachi and Koichi Yamazaki: <i>Reformulation of the scheme for computing tree-width and minimum fill-in</i>
	Azadeh Tabatabaei and Ali Mohades: <i>Clarity Watchman Route</i>	Ahmad Biniaz: <i>Circumcircular Range Searching in Higher Order Delaunay Triangulations</i>	Anish Man Singh Shrestha, Satoshi Tayu and Shuichi Ueno: <i>On Two-Directional Orthogonal Ray Graphs</i>
	Saeed Aliakbarian, Fatemeh Panahi and Ali Mohades Khorasani: <i>Visibility Area of a Point in Existence of Circular Obstacles</i>	Boris Aronov, Muriel Dulieu and Ferran Hurtado: <i>Witness (Delaunay) Graphs</i>	L. Sunil Chandran, Mathew Francis and Rogers Mathew: <i>Chordal Bipartite Graphs with High Boxicity</i>
10:40-11:00	Coffee Break		
11:00-12:20	Session 7: Contributed Talks 20 min/talk		
	Session 7A Colorful Discrete and Computational Geometry	Session 7B Physics-Motivated Geometry and Graph Theory	Session 7C Ramsey Theory
	Greg Aloupis, Jean Cardinal, Sébastien Collette, Shinji Imahori, Matias Korman, Stefan Langerman, Oded Schwartz, Shakhar Smorodinsky and Perouz Taslakian: <i>Colorful Strips</i>	Adán Cabello, Antonio J. López-Tárrida, Pilar Moreno and José Ra. Portillo: <i>Classification of the entanglement properties of eight-qubit graph states</i>	Kashif Ali: <i>On the Ramsey numbers for linear forest versus some graphs</i>
	Boris Aronov, Delia Garijo, Yurái Núñez-Rodríguez, David Rappaport, Carlos Seara and Jorge Urrutia: <i>Measuring the error of linear separators on linearly inseparable data</i>	Hiroshi Ozaki, Hiroshi Fukuda and Toshiaki Fujiwara: <i>Fixed Center of Mass Configurations of Three Points in Given Curves</i>	I Wayan Sudarsana, Edy Tri Baskoro, Hilda Assiyatun and Saladin Uttunggadewa: <i>On the Ramsey numbers for the union of graphs</i>
	Amr Elmasry and Madhusudan Manjunath: <i>Enumerating Trichromatic Triangles Containing the Origin in Linear Time</i>	Takuya Hara and Kokichi Sugihara: <i>Computer Aided Design of Pop-up Books with Two-dimensional V-fold Structures</i>	Lyra Yulianti, Edy Tri Baskoro, Hilda Assiyatun and Saladin Uttunggadewa: <i>On Ramsey $(K_{1,2}, P_4)$-minimal Graphs</i>
	Bitner Steven, Yam Ki Cheung and Ovidiu Daescu: <i>On the minimum color separation circle</i>		

12:20-13:50	Lunch Break
13:50-18:00	Session 49: 49er's Special Session
13:50-14:40	Invited Talk 50 min
	D.T. Lee: <i>Multi-Party k-Means Clustering with Privacy Consideration</i>
14:40-15:00	Invited Short Talk 20 min
	Shuji Tsukiyama: <i>Statistical Static Timing Analysis —What We Have Ever Seen—</i>
15:00-15:20	Coffee Break
15:20-16:10	Invited Talk 50 min
	Kurt Mehlhorn: <i>Cycles Bases of Graphs Properties, Algorithms, Hardness, Open Problems</i>
16:10-16:30	Invited Short Talk 20 min
	Tomio Hirata: <i>A textile design and related graph problems</i>
16:30-16:50	Coffee Break
16:50-17:40	Invited Talk 50 min
	David Kirkpatrick: <i>Bounded Curvature path planning revisited</i>
17:40-18:00	Invited Short Talk 20 min
	Tetsuo Asano: <i>The Most Favorite Ten Papers of My Own</i>
18:30-20:30	Banquet

November 13, Friday			
9:20-10:10	Session 8: Invited Talk 50 min		
	Erik D. Demaine: <i>Algorithms Meet Art, Puzzles, and Magic</i>		
10:10-10:30	Coffee Break		
10:30-11:30	Session 9: Contributed Talks 20 min/talk		
	Session 9A Convex Polyhedra	Session 9B Graph Drawing and Embedding	Session 9C Optimization
	Erik D. Demaine, Martin L. Demaine, Vi Hart, John Iacono, Stefan Langerman and Joseph O'Rourke: <i>Continuous Blooming of Convex Polyhedra</i>	Gek Ling Chia and Chan Lye Lee: <i>Crossing Numbers and Skewness of Some 5-Regular Graphs</i>	Richard Schmied and Claus Viehmann: <i>On Approximation Complexity of Edge Dominating Set Problem in Dense Graphs</i>
	Hiroshi Maehara: <i>Classification of the congruent embeddings of a tetrahedron into a triangular prism</i>	Emilio Di Giacomo, Francesco Giordano and Giuseppe Liotta: <i>Upward Topological Book Embeddings of DAGs</i>	Céline Engelbeen, Samuel Fiorini and Antje Kiesel: <i>A closest vector problem arising in radiation therapy planning</i>
	Syed Ishtiaque Ahmed, Masud Hasan and Md. Ariful Islam: <i>Cutting a Convex Polyhedron Out of a Sphere</i>	Kazuaki Kobayashi and Takako Kodate: <i>Minimal Embedding of Complete Bipartite Graphs on Surfaces</i>	Fatemeh Panahi, Ali Mohades Khorasani and Saeed Aliakbarian: <i>Computing Minimum-Cost Limited-Capacity Many-To-Many Point Matching</i>
11:30-11:40	Break		
11:40-12:40	Session 10: Contributed Talks 20 min/talk		
	Session 10A Folding and Unfolding	Session 10B Topology-Related Discrete and Computational Geometry	Session 10C Trees
	Erik D. Demaine, Martin L. Demaine, Vi Hart, Gregory N. Price and Tomohiro Tachi: <i>(Non)existence of Pleated Folds: How Paper Folds Between Creases</i>	Shoichi Tsuchiya and Atsuhiko Nakamoto: <i>Geometric realization of a triangulation on the Klein bottle with one face removed</i>	Camino Balbuena, Mucuykak Guevara, José Ra. Portillo and Pedro Reyes: <i>Advances in the Erdős-Sós conjecture for spiders</i>
	Jean Cardinal, Erik Demaine, Martin Demaine, Shinji Imahori, Stefan Langerman and Ryuhei Uehara: <i>Algorithmic Folding Complexity</i>	Ho-Lun Cheng: <i>Topological Ball Decomposition of Growing Macromolecules for Fast Visualization by Flow Complexes</i>	Akio Fujiyoshi and Masakazu Suzuki: <i>Minimum Spanning Tree Problem with Label Selection and Its Application to Mathematical OCR</i>
	Chie Nara and Jin-ichi Itoh: <i>Minimal Surface Area of Polyhedral Unfoldings</i>	Michael Kerber and Michael Sagraloff: <i>How Complex are Real Algebraic Objects?</i>	Hiroo Kishimoto and Mikio Kano: <i>A closure concept for spanning k-tree of graphs</i>