

Apr 19

Room D404

15:30-16:00	Welcome Reception
16:00-17:30	Tutorial: Computing the Edit-Distance of Formal Languages Sang-Ki Ko

Apr 20

Room D405

Room D404

9:00-10:00	Invited talk (Room D404): Matroid Parity Satoru Iwata	
10:00-10:30	Coffee break	
10:30-12:10	Computing the Union Join Graph and Subset Graph for Subclasses of Acyclic Hypergraphs in Truly Subquadratic Time Arne Leitert	Constructing Approximated ZDDs by Inclusion Relations of Models Kotaro Matsuda, Shuhei Denzumi, Kengo Nakamura, Masaaki Nishino and Norihito Yasuda
	Joining Functions in Exact Real Computation Seokbin Lee, Sewon Park and Martin Ziegler	Fixed-Parameter Tractability of Minimum k -Path Vertex Cover by Treewidth and Branchwidth Eriko Kurimoto
	Is Brownian Motion Computable? Hyunwoo Lee, Sewon Park and Martin Ziegler	Parameterized Algorithms for Subgraph Isomorphism Problems with Disconnected Pattern Graphs Dejun Mao
	Computing Haar Averages on SO_3 Arno Pauly, Dongseong Seon and Martin Ziegler	Computing Optimal Tangles Faster Oksana Firman, Philipp Kindermann, Alexander Ravsky, Alexander Wolff and Johannes Zink
12:10-13:40	Lunch	
13:40-15:20	Compressing Directed Acyclic Graphs by String Compression Techniques Shuhei Denzumi	An Integer Programming-Based Method to Control Problems in Boolean Networks Zhe Zhang, Hiroshi Nagamochi and Tatsuya Akutsu
	Fast String Matching in Scan Speed Cheol Ryu, Thierry Lecroq and Kunsoo Park	An Improved Method for Enumerating Pairwise Compatibility Graphs with a Given Number of Vertices Naveed Ahmed Azam, Aleksandar Shurbevski and Hiroshi Nagamochi
	Parallel Construction of Simultaneous Deterministic Finite Automata on Shared-memory Multicores Minyoung Jung, Jinwoo Park, Johann Blieberger and Bernd Burgstaller	Consistent Digital Curved Rays Jinhee Chun, Kenya Kikuchi and Takeshi Tokuyama
	On Enumeration of Number Conserving Cellular Automata by Value-1 Patterns Gil-Tak Kong and Imai Katsunobu	Optimal Algorithm for Geodesic Nearest-point Voronoi Diagrams in Simple Polygons Eunjin Oh
15:20-15:50	Coffee break	
15:50-17:30	When Irreducible Bin Packing Leads to Efficient Scheduling in the Routing Open Shop Ilya Chernykh and Artem Pyatkin	Fitting a Graph to One-Dimensional Data Siu-Wing Cheng, Otfried Cheong and Taegyong Lee
	Weighted Throughput Maximization with Calibrations Vincent Chau, Shengzhong Feng, Minming Li, Yinling Wang, Guochuan Zhang and Yong Zhang	Self-Improving Sorting with Hidden Partitions Siu-Wing Cheng, Man-Kwun Chiu and Kai Jin
	CANCELLED	Dynamic Algorithms for Density-based Clustering via Tree Structure Chen-Yu Liu and Chung-Shou Liao
	On the Approximability of the Maximum Induced Matching Problem on Regular Graphs Yuichi Asahiro, Guohui Lin, Zhilong Liu and Eiji Miyano	Fully Dynamic Model of Index-Based Structural Graph Clustering Ya-Chun Liang and Chung-Shou Liao
18:00-	Banquet	

Apr 21

	Room D405	Room D404
9:00-10:00	Invited talk (Room D404): Convex Covers and Translation Covers Otfried Cheong	
10:00-10:30	Coffee break	
10:30-12:10	Calculating the Least Core Value of Weighted Voting Games Masato Tanaka and Tomomi Matsui	Maximizing Dominance in the Plane and its Applications Jongmin Choi, Sergio Cabello and Hee-Kap Ahn
	Deciding the Winning Player of Open-Hand BABANUKI Hironori Kiya and Hirotaka Ono	Matching Sets of Line Segments Hyeyun Yang and Antoine Vigneron
	Truthful Mechanisms for Location Games of Dual-Role Facilities Xujin Chen, Minming Li, Changjun Wang, Chenhao Wang and Yingchao Zhao	Computing Euclidean k-Center over Sliding Windows Sang-Sub Kim
	Settling the Sample Complexity of Single-parameter Revenue Maximization Chenghao Guo, Zhiyi Huang and Xinzhi Zhang	Do Randomized Approaches Work for Online TSP on the Real Line? Pei-Chuan Chen and Chung-Shou Liao