

December 5, Monday															
18:15–	Reception														
December 6, Tuesday (Morning)															
9:00–9:10	Opening														
	Osamu Watanabe: <i>Opening Address</i>														
9:10–10:10	Invited Talk 1: 60 min														
	Chair: Shin-ichi Nakano														
	Dorothea Wagner: <i>Algorithm Engineering for Route Planning: An Update</i>														
10:10–10:30	Coffee Break														
10:30–11:50	Session 1: 4 talks, 20 min/talk														
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11:50–14:00	Lunch Break														

December 6, Tuesday (Afternoon)															
14:00–15:00	Invited Talk 2: 60 min														
	Chair: Osamu Watanabe														
	Sanjeev Arora: <i>Semidefinite Programming and Approximation Algorithms: A Survey</i>														
15:00–15:20	Coffee Break														
15:20–17:00	Session 2: 5 talks, 20 min/talk														
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18:15–	Banquet												

December 8, Thursday (Morning)		
9:00–10:00	Session 7: 3 talks, 20 min/talk	
	Session 7A Approximation Algorithms II	Session 7B Randomized Algorithms
	Chair: Siu-Wing Cheng	Chair: Dirk Sudholt
	Ryuta Ando and Tomomi Matsui:  <i>Algorithm for Single Allocation Problem on Hub-and-Spoke Networks in 2-Dimensional Plane</i>	Ioannis Atsonios, Olivier Beaumont, Nicolas Hanusse, and Yusik Kim:  <i>On Power-Law Distributed Balls in Bins and Its Applications to View Size Estimation</i>
	Martin Fürer and Huiwen Yu:  <i>Packing-Based Approximation Algorithm for the <math>k</math>-Set Cover Problem</i>	Masatora Ogata, Yukiko Yamauchi, Shuji Kijima, and Masafumi Yamashita:  <i>A Randomized Algorithm for Finding Frequent Elements in Streams Using <math>O(\log \log N)</math> Space</i>
	Mong-Jen Kao and D.T. Lee:  <i>Capacitated Domination: Constant Factor Approximations for Planar Graphs</i>	Jeremy Hurwitz:  <i>A Nearly-Quadratic Gap Between Adaptive and Non-adaptive Property Testers</i>
10:00–10:20	Coffee Break	
10:20–11:40	Session 8: 4 talks, 20 min/talk	
	Session 8A Online and Streaming Algorithms	Session 8B Computational Geometry III
	Chair: Tetsuo Shibuya	Chair: Sang Won Bae
	Shota Yasutake, Kohei Hatano, Shuji Kijima, Eiji Takimoto, and Masayuki Takeda:  <i>Online Linear Optimization over Permutations</i>	Zachary Abel, Erik D. Demaine, Martin L. Demaine, Sarah Eisenstat, Jayson Lynch, Tao B. Schardl, and Isaac Shapiro-Elowitz:  <i>Folding Equilateral Plane Graphs</i>
	Hiroshi Fujiwara, Takuma Kitano, and Toshihiro Fujito:  <i>On the Best Possible Competitive Ratio for Multislope Ski Rental</i>	Danny Z. Chen and Haitao Wang:  <i>Efficient Algorithms for the Weighted <math>k</math>-Center Problem on a Real Line</i>
	Kuan-Chieh Robert Tseng and David Kirkpatrick:  <i>Input-Thrifty Extrema Testing</i>	Danny Z. Chen and Haitao Wang:  <i>Outlier Respecting Points Approximation</i>
	Ho-Leung Chan, Tak-Wah Lam, Lap-Kei Lee, Jiangwei Pan, Hing-Fung Ting, and Qin Zhang:  <i>Edit Distance to Monotonicity in Sliding Windows</i>	Danny Z. Chen and Haitao Wang:  <i>An Improved Algorithm for Reconstructing a Simple Polygon from the Visibility Angles</i>
11:40–14:00	Lunch Break	

December 8, Thursday (Afternoon)		
14:00–15:20	Session 9: 4 talks, 20 min/talk	
	Session 9A Parameterized Algorithms II	Session 9B String Algorithms
	Chair: Sylvain Guillemot	Chair: Kunihiko Sadakane
	Jiong Guo, Sepp Hartung, Rolf Niedermeier, and Ondřej Suchý: <i>The Parameterized Complexity of Local Search for TSP, More Refined</i>	Travis Gagie, Paweł Gawrychowski, and Simon J. Puglisi: <i>Faster Approximate Pattern Matching in Compressed Repetitive Texts</i>
	Martin Dörnfelder, Jiong Guo, Christian Komusiewicz, and Mathias Weller: <i>On the Parameterized Complexity of Consensus Clustering</i>	Yoshifumi Sakai:  <i>A New Algorithm for the Characteristic String Problem under Loose Similarity Criteria</i>
	Victor Campos, Sulamita Klein, Rudini Sampaio, and Ana Silva: <i>Two Fixed-Parameter Algorithms for the Cocoloring Problem</i>	Wing-Kai Hon, Chen-Hua Lu, Rahul Shah, and Sharma V. Thankachan: <i>Succinct Indexes for Circular Patterns</i>
	Cristina Bazgan, Morgan Chopin, and Michael R. Fellows:  <i>Parameterized Complexity of the Firefighter Problem</i>	Amihoud Amir, Alberto Apostolico, Gad M. Landau, Avivit Levy, Moshe Lewenstein, and Ely Porat: <i>Range LCP</i>
15:20–15:40	Coffee Break	
15:40–17:00	Session 10: 4 talks, 20 min/talk	
	Session 10A Optimization	Session 10B Computational Biology
	Chair: Takehiro Ito	Chair: Kun-Mao Chao
	Naonori Kakimura, Kazuhisa Makino, and Kento Seimi: <i>Computing Knapsack Solutions with Cardinality Robustness</i>	Hung-I Yu, Tien-Ching Lin, and D. T. Lee: <i>Finding Maximum Sum Segments in Sequences with Uncertainty</i>
	Lisa Hellerstein, Özgür Özkan, and Linda Sellie: <i>Max-Throughput for (Conservative) <math>k</math>-of-<math>n</math> Testing</i>	Yun Cui, Jesper Jansson, and Wing-Kin Sung: <i>Algorithms for Building Consensus MUL-trees</i>
	Amihoud Amir, Estrella Eisenberg, Avivit Levy, and Noa Lewenstein: <i>Closest Periodic Vectors in <math>L_p</math> Spaces</i>	Francis Y.L. Chin, Henry C.M. Leung, and S.M. Yiu: <i>Adaptive Phenotype Testing for AND/OR Items</i>
	Matt Gibson, Dongfeng Han, Milan Sonka, and Xiaodong Wu: <i>Maximum Weight Digital Regions Decomposable into Digital Star-Shaped Regions</i>	Taku Onodera and Tetsuo Shibuya:  <i>An Index Structure for Spaced Seed Search</i>