Day	Date	Event	Session ID	Time	Title	Authors
Friday	2-Jan	Registration		4:00 PM - 6:00 PM		
Saturday	3-Jan	Registration		7:30 AM - 7:00 PM		
		ALENEX and ANALCO Workshops		8:30 AM - 6:30 PM		
		ACM-SIAM SODA Welcome Reception		6:30 PM - 8:30 PM		
Sunday	4-Jan	Registration		8:00 AM - 4:45 PM		
		Concurrent Sessions 9:00 AM - 11:05 AM	1A	9:00 AM	Improved Bounds and New Techniques for Davenport-Schinzel Sequences and Their Generalizations	Gabriel Nivasch, Tel Aviv University, Israel
				9:25 AM	Perfect Matchings via Uniform Sampling in Regular Bipartite Graphs	Ashish Goel, Stanford University; Michael Kapralov, Stanford University; Sanjeev Khanna, University of Pennsylvania
				9:50 AM	The Ratio Index for Budgeted Learning, with Applications	Ashish Goel, Stanford University, Sanjeev Khanna, University of Pennsylvania, and Brad Null, Stanford University
				10:15 AM	Approximation Algorithms for Restless Bandit Problems	Sudipto Guha, University of Pennsylvania; Kamesh Munagala and Peng Shi, Duke University
				10:40 AM	Better Algorithms for Benign Bandits	Elad Hazan, IBM Almaden; Satyen Kale, Microsoft Research
		Concurrent Sessions 9:00 AM - 11:05 AM	1B	9:00 AM	The Cover Time of Random Geometric Graphs	Colin Cooper, University of London, United Kingdom; Alan Frieze, Carnegie Mellon University
				9:25 AM	The Complexity of Simulating Brownian Motion	Ilia Binder, University of Toronto, Canada; Mark Braverman, Microsoft Research
				9:50 AM	Sorting by Placement and Shift	Sergi Elizalde and Peter Winkler, Dartmouth College
				10:15 AM	Sampling Biased Lattice Configurations using Exponential Metrics	Sam Greenberg, Amanda Pascoe and Dana Randall, Georgia Institute of Technology
				10:40 AM	On the Hitting Times of Quantum Versus Random Walks	Frédéric Magniez, Universite Paris-Sud, CNRS, France, Ashwin Nayak, University of Waterloo and Perimeter Institute, Canada; Peter C. Richter, Universite Paris-Sud, CNRS, France; Miklos Santha, Universite of Paris-Sud, CNRS, France, and National University of Singapore, Singapore

		Concurrent Sessions 9:00 AM - 11:05 AM	1C	9:00 AM	Efficient Algorithms for the 2-Gathering Problem	Alon Shalita and Uri Zwick, Tel Aviv University, Israel
				9:25 AM	Asymptotically Optimal Frugal Colouring	Michael Molloy, University of Toronto, Canada; Bruce Reed, McGill University, Canada and CNRS-INRIA, Sophia-Antipolis, France
				9:50 AM	A Quadratic Kernel for Feedback Vertex Set	Stéphan Thomassé, Université Montpellier II - France
				10:15 AM	Coloring Triangle-free Graphs on Surfaces	Zdeněk Dvořák and Daniel Král, Charles University, Czech Republic; Robin Thomas, Georgia Institute of Technology
				10:40 AM	(Un)Expected Behavior of Digital Search Tree Profile	Michael Drmota, TU Wien, Austria; Wojciech Szpankowski, Purdue University
		Coffee Break		11:05 AM - 11:30 AM		
		Invited Plenary Session	2	11:30 AM - 12:30 PM	Combinatorial Stochastic Processes and Nonparametric Bayesian Modeling	Michael I. Jordan, University of California at Berkeley
		Concurrent Sessions 2:00 PM - 4:05 PM	3A	2:00 PM	Comparison-Based Time-Space Lower Bounds for Selection	Timothy M. Chan, University of Waterloo, Canada
				2:25 PM	Linear-Time Algorithms for Geometric Graphs with Sublinearly Many Crossings	David Eppstein, Michael T. Goodrich and Darren Strash, University of California, Irvine
				2:50 PM	Self-overlapping Curves Revisited	David Eppstein, University of California, Irvine; Elena Mumford, Technische Universiteit Eindhoven, The Netherlands
				3:15 PM	Line Transversals of Convex Polyhedra in R3	Haim Kaplan, Natan Rubin and Micha Sharir, Tel Aviv University, Israel
				3:40 PM	Optimal Halfspace Range Reporting in Three Dimensions	Peyman Afshani and Timothy M. Chan, University of Waterloo, Canada
				2:00 PM	Optimality of Belief Propagation for Random Assignment Problem	J. Salez, INRIA and Ecole Normale Supérieure de Paris, France; D. Shah, Massachusetts Institute of Technology
				2:25 PM	Termination Criteria for Solving Concurrent Safety and Reachability Games	Krishnendu Chatterjee and Luca de Alfaro, University of California, Santa Cruz; Thomas Henzinger, University of California, Berkeley, and EPFL, Switzerland

		Concurrent Sessions 2:00 PM - 4:05 PM	3B	2:50 PM	An Efficient Sparse Regularity Concept	Amin Coja-Oghlan, University of Edinburgh, United Kingdom; Colin Cooper, University of London, United Kingdom; Alan Frieze, Carnegie Mellon University
				3:15 PM	Almost All Hypergraphs without Fano Planes are Bipartite	Yury Person and Mathias Schacht, Humboldt-Universität zu Berlin, Germany
				3:40 PM	Hypergraph Regularity and Quasi-randomness	Brendan Nagle, University of South Florida; Annika Poerschke and Vojtěch Rödl, Emory University; Mathias Schacht, Humboldt-Universität zu Berlin, Germany
		Concurrent Sessions 2:00 PM - 4:05 PM	3C	2:00 PM	Shortest Paths in Directed Planar Graphs with Negative Lengths: a linear-space O(n log2 n)-time algorithm	Philip Klein and Shay Mozes, Brown University; Oren Weimann, Massachusetts Institute of Technology
				2:25 PM	A Near-Linear Time Algorithm for Constructing a Cactus Representation of Minimum Cuts	David Karger and Debmalya Panigrahi, Massachusetts Institute of Technology
				2:50 PM	Testing Halfspaces	Kevin Matulef, Massachusetts Institute of Technology; Ryan O'Donnell, Carnegie Mellon University; Ronitt Rubinfeld, Massachusetts Institute of Technology; Rocco Servedio, Columbia University
				3:15 PM	Fast Edge Orientation for Unweighted Graphs	Anand Bhalgat, University of Pennsylvania; Ramesh Hariharan, Strand Life Sciences and House of Algorithms, Bangalore
				3:40 PM	A Unified Approach to Distance-Two Colouring of Planar Graphs	Omid Amini, Max-Planck-Institut für Informatik, Germany; Louis Esperet, Université de Bordeaux, CNRS, France; Jan van den Heuvel, London School of Economics, United Kingdom
		Coffee Break		4:05 PM - 4:30 PM		
				4:30 PM	Approximate Euclidean Shortest Path amid Convex Obstacles	Pankaj K. Agarwal, R. Sharathkumar and Hai Yu, Duke University

		Concurrent Sessions 4:30 PM - 6:35 PM	4A	4:55 PM	Approximate Line Nearest Neighbor in High Dimensions	Alexandr Andoni and Piotr Indyk, Massachusetts Institute of Technology; Robert Krauthgamer, Weizmann Institute of Science, Israel; Huy L. Nguyen, Massachusetts Institute of Technology
				5:20 PM	Decomposition of Multiple Coverings into More Parts	Greg Aloupis, Jean Cardinal, Sébastien Collette and Stefan Langerman, Université de Bruxelles, Belgium; David Orden and Pedro Ramos, Universidad de Alcalá, Spain
				5:45 PM	On Stars and Steiner Stars	Adrian Dumitrescu, University of Wisconsin-Milwaukee; Csaba D. Tóth, University of Calgary, Canada; Guangwu Xu, University of Wisconsin-Milwaukee
				6:10 PM	Combinatorial Algorithms for Nearest Neighbors, Near-Duplicates and Small-World Design	Yury Lifshits, Yahoo! Research; Shengyu Zhang, The Chinese University of Hong Kong, Hong Kong
		Concurrent Sessions 4:30 PM - 6:35 PM	4B	4:30 PM	Computing the Nucleolus of Weighted Voting Games	Edith Elkind, University of Southampton, United Kingdom; Dmitrii Pasechnik, Nanyang Technological University, Singapore
				4:55 PM	High Rate Fingerprinting Codes and the Fingerprinting Capacity	Ehsan Amiri and Gábor Tardos, Simon Fraser University, Canada
				5:20 PM	On the Power of Two, Three and Four Probes	Noga Alon, Tel Aviv University and IAS; Uriel Feige, Weizmann Institute, Israel
				5:45 PM	Exponential Lower Bounds and Integrality Gaps for Tree-like Lovász-Schrijver Procedures	Toniann Pitassi, University of Toronto, Canada; Nathan Segerlind, INTEL Corporation
				6:10 PM	3-Bit Dictator Testing: 1 vs. 5/8	Ryan O'Donnell and Yi Wu, Carnegie Mellon University
		Concurrent Sessions 4:30 PM - 6:35 PM	4C	4:30 PM	Inserting a Vertex into a Planar Graph	Markus Chimani, Carsten Gutwenger, Petra Mutzel and Christian Wolf, TU Dortmund, Germany
				4:55 PM	Fast Algorithms for (Max, Min)-Matrix Multiplication and Bottleneck Shortest Paths	Ran Duan and Seth Pettie, University of Michigan
				5:20 PM	Sorting and Selection in Posets	Constantinos Daskalakis, Microsoft Research; Richard M. Karp, Elchanan Mossel and Samantha Riesenfeld, University of California, Berkeley; Elad Verbin, Tsinghua University

				5:45 PM	Finding Duplicates in a Data Stream	Parikshit Gopalan, University of Washington and Microsoft Research; Jaikumar Radhakrishnan, TIFR, India
				6:10 PM	Compressed Counting	Ping Li, Cornell University
Monday	5-Jan	Registration		8:30 AM - 4:45 PM		
		Concurrent Sessions 9:00 AM - 11:05 AM	5A	9:00 AM	Natural Algorithms	Bernard Chazelle, Princeton University
				9:25 AM	Maximal Biconnected Subgraphs of Random Planar Graphs	Konstantinos Panagiotou and Angelika Steger, ETHZ, Switzerland
				9:50 AM	Approximate Shared-Memory Counting Despite a Strong Adversary	James Aspnes, Yale University; Keren Censor, Technion, Israel
				10:15 AM	On Smoothed k-CNF Formulas and the Walksat Algorithm	Amin Coja-Oghlan, University of Edinburgh, United Kingdom; Uriel Feige, The Weizmann Institute, Israel; Alan Frieze, Carnegie Mellon University; Michael Krivelevich and Dan Vilenchik, Tel-Aviv University, Israel
				10:40 AM	Improved Smoothed Analysis of the k-Means Method	Bodo Manthey, Saarland University, Germany; Heiko Röglin, Boston University
		Concurrent Sessions 9:00 AM - 11:05 AM	5B	9:00 AM	Pairing Heaps with O(log log n) Decrease Cost	Amr Elmasry, Max-Planck-Institut für Informatik, Germany
				9:25 AM	A Simpler Implementation and Analysis of Chazelle's Soft Heaps	Haim Kaplan and Uri Zwick, Tel Aviv University, Israel
				9:50 AM	Biased Range Trees	Vida Dujmović, John Howat and Pat Morin, Carleton University, Canada
				10:15 AM	The Geometry of Binary Search Trees	Erik D. Demaine, Massachusetts Institute of Technology; Dion Harmon, New England Complex Systems Institute; John Iacono, Polytechnic Institute of New York University; Daniel Kane, Harvard University; Mihai Pătraşcu, Massachusetts Institute of Technology
				10:40 AM	Dual-Failure Distance and Connectivity Oracles	Ran Duan and Seth Pettie, University of Michigan
				9:00 AM	On the Maximum Quadratic Assignment Problem	Viswanath Nagarajan, Carnegie Mellon University; Maxim Sviridenko, IBM T.J. Watson Research Center

				9:25 AM	Towards Computing the Grothendieck Constant	Prasad Raghavendra, University of Washington; David Steurer, Princeton University
		Concurrent Sessions 9:00 AM - 11:05 AM	5C	9:50 AM	Approximating Submodular Functions Everywhere	Michel X. Goemans, Massachusetts Institute of Technology; Nicholas J.A. Harvey, Microsoft; Satoru Iwata, Kyoto University, Japan; Vahab Mirrokni, Google Research
				10:15 AM	Maximizing Submodular Set Functions Subject to Multiple Linear Constraints	Ariel Kulik and Hadas Shachnai, Technion, Israel; Tami Tamir, The Interdisciplinary Center, Israel
				10:40 AM	Combinatorial Algorithms for Wireless Information Flow	Aurore Amaudruz, Nokia Research Center, Switzerland; Christina Fragouli, Swiss Federal Institute of Technology, Switzerland
		Coffee Break		11:05 AM - 11:30 AM		
		Invited Plenary Session	6	11:30 AM - 12:30 PM	Probability, Algorithms and Complexity	Volker Strassen, University of Konstanz, Germany
		Lunch (attendees on their own)		12:30 PM - 2:00 PM		
				2:00 PM	Generating Random Graphs with Large Girth	Mohsen Bayati, Microsoft Research New England; Andrea Montanari and Amin Saberi, Stanford University
				2:25 PM	Expanders via Random Spanning Trees	Navin Goyal, Luis Rademacher and Santosh Vempala, Georgia Institute of Technology
		Concurrent Sessions 2:00 PM - 4:05 PM	7A	2:50 PM	The Extended *k*-tree Algorithm	Lorenz Minder and Alistair Sinclair, University of California, Berkeley
				3:15 PM	Sequential Cavity Method for Computing Limits of the Log-Partition Function for Lattice Models	David Gamarnik, Massachusetts Institute of Technology; Dmitriy Katz, IBM T.J. Watson Research Center
				3:40 PM	A Universally Fastest Algorithm for Max 2-Sat, Max 2-CSP, and Everything in Between	Serge Gaspers, University of Bergen, Norway; Gregory Sorkin, IBM T.J. Watson Research Center
				2:00 PM	Finding Shortest Contractible and Shortest Separating Cycles in Embedded Graphs	Sergio Cabello, University of Ljubljana, Slovenia
				2:25 PM	Cell Probe Lower Bounds for Succinct Data Structures	Alexander Golynski, Google, Inc.

		Concurrent Sessions 2:00 PM - 4:05 PM	7B	2:50 PM	Succinct Geometric Indexes Supporting Point Location Queries	Prosenjit Bose, Carleton University, Canada; Eric Y. Chen, University of Waterloo, Canada; Meng He, Anil Maheshwari and Pat Morin, Carleton University, Canada
				3:15 PM	Exact Algorithms for Partial Curve Matching via the Fréchet Distance	Kevin Buchin and Maike Buchin, Utrecht University, The Netherlands; Yusu Wang, The Ohio State University
				3:40 PM	String Hashing for Linear Probing	Mikkel Thorup, AT&T Labs-Research
		Concurrent Sessions 2:00 PM - 4:05 PM	7C	2:00 PM	Parameterized Approximation Scheme for the Multiple Knapsack Problem	Klaus Jansen, Universität zu Kiel, Germany
				2:25 PM	Improved Approximation Algorithms for Scheduling with Fixed Jobs	Florian Diedrich and Klaus Jansen, Universität zu Kiel, Germany
				2:50 PM	Scalably Scheduling Processes with Arbitrary Speedup Curves	Jeff Edmonds, York University, Canada; Kirk Pruhs, University of Pittsburgh
				3:15 PM	Speed Scaling with an Arbitrary Power Function	Nikhil Bansal, IBM T.J. Watson Research Center; Ho-Leung Chan, Max-Planck-Institut für Informatik, Germany; Kirk Pruhs, University of Pittsburgh
				3:40 PM	A Logarithmic Approximation for the Unsplittable Flow on Line Graphs	Nikhil Bansal, IBM T. J. Watson Research Center; Zachary Friggstad, University of Alberta, Canada; Rohit Khandekar, IBM T.J. Watson Research Center; Mohammad R. Salavatipour, University of Alberta, Canada
		Coffee Break		4:05 PM - 4:30 PM		
		Concurrent Sessions 4:30 PM - 6:35 PM	8A	4:30 PM	On the Complexity of Nash Equilibria of Action-Graph Games	Constantinos Daskalakis, Microsoft Research; Grant Schoenebeck and Gregory Valiant, University of California, Berkeley; Paul Valiant, Massachusetts Institute of Technology
				4:55 PM	How Hard is it to Approximate the Best Nash Equilibrium?	Elad Hazan, IBM Almaden; Robert Krauthgamer, Weizmann Institute of Science, Israel
				5:20 PM	Improved Equilibria via Public Service Advertising	Maria-Florina Balcan and Avrim Blum, Carnegie Mellon University; Yishay Mansour, Tel Aviv University, Israel, and Google Research

				5:45 PM	Stepwise Randomized Combinatorial Auctions Achieve Revenue Monotonicity	Baharak Rastegari, Anne Condon and Kevin Leyton-Brown, University of British Columbia
				6:10 PM	Equilibria of Atomic Flow Games are not Unique	Umang Bhaskar, Lisa Fleischer and Darrell Hoy, Dartmouth College; Chien-Chung Huang, Max-Planck-Institut für Informatik, Germany
		Concurrent Sessions 4:30 PM - 6:35 PM	8B	4:30 PM	A Generic Top-Down Dynamic-Programming Approach to Prefix-Free Coding	Mordecai Golin, Hong Kong UST, Hong Kong; Xiaoming Xu and Jiajin Yu, Fudan University, China
				4:55 PM	On the bit-complexity of Lempel-Ziv compression	Paolo Ferragina, Igor Nitto and Rossano Venturini, University of Pisa, Italy
				5:20 PM	From Coding Theory to Efficient Pattern Matching	Raphaël Clifford, University of Bristol, United Kingdom; Klim Efremenko, Bar-Ilan University, Israel, and Weizmann Institute, Israel; Ely Porat and Amir Rothschild, Bar-Ilan University, Israel
				5:45 PM	Monotone Minimal Perfect Hashing: Searching a Sorted Table with O(1) Accesses	Djamal Belazzougui, Institut National d'Informatique, Algeria; Paolo Boldi, Università degli Studi di Milano, Italy; Rasmus Pagh, IT University of Copenhagen, Denmark; Sebastiano Vigna, Università degli Studi di Milano, Italy
				6:10 PM	On Risks of Using Cuckoo Hashing with Simple Universal Hash Classes	Martin Dietzfelbinger and Ulf Schellbach, Technische Universität Ilmenau, Germany
		Concurrent Sessions 4:30 PM - 6:35 PM	8C	4:30 PM	The Assignment Problem in Content Distribution Networks: Unsplittable Hard-Capacitated Facility Location	MohammadHossein Bateni, Princeton University; MohammadTaghi Hajiaghayi, AT&T Labs - Research
				4:55 PM	Efficient Coordination Mechanisms for Unrelated Machine Scheduling	Ioannis Caragiannis, University of Patras, Greece
				5:20 PM	Clique-width: On the Price of Generality	Fedor V. Fomin, Petr A. Golovach, Daniel Lokshtanov and Saket Saurabh, University of Bergen, Norway
				5:45 PM	Reasoning about Online Algorithms with Weighted Automata	Benjamin Aminof, Orna Kupferman and Robby Lampert, Hebrew University, Israel
				6:10 PM	Appointment Scheduling with Discrete Random Durations	Mehmet A. Begen and Maurice Queyranne, University of British Columbia, Canada

		Business Meeting		6:45 PM - 7:45 PM		
Tuesday	6-Jan	Registration		8:30 AM - 4:45 PM		
		Concurrent Sessions 9:00 AM - 11:05 AM	9A	9:00 AM	Hardness of Embedding Simplicial Complexes in R^d	Jiří Matoušek and Martin Tancer, Charles University, Czech Republic and ETH Zurich, Switzerland; Uli Wagner, ETH Zurich, Switzerland
				9:25 AM	Overcoming the L_1 Non-Embeddability Barrier: Algorithms for Product Metrics	Alexandr Andoni and Piotr Indyk, Massachusetts Institute of Technology and Robert Krauthgamer, Weizmann Institute of Science, Israel
				9:50 AM	On Low Dimensional Local Embeddings	Ittai Abraham, Yair Bartal and Ofer Neiman, Hebrew University, Israel
				10:15 AM	The Johnson-Lindenstrauss Lemma Almost Characterizes Hilbert Space, but not Quite	William Johnson, Texas A&M University; Assaf Naor, Courant Institute
				10:40 AM	Maximum Independent Set of Rectangles	Parinya Chalermsook, University of Chicago; Julia Chuzhoy, Toyota Technological Institute
		Concurrent Sessions 9:00 AM - 11:05 AM	9B	9:00 AM	Approximating Fractional Hypertree Width	Dániel Marx, Budapest University of Technology and Economics, Hungary
				9:25 AM	An Almost O(log k) - Approximation for k-Connected Subgraphs	Zeev Nutov, The Open University of Israel, Israel
				9:50 AM	Improved Approximating Algorithms for Directed Steiner Forest	Moran Feldman, Technion, Israel; Guy Kortsarz, Rutgers University; Zeev Nutov, The Open University of Israel, Israel
				10:15 AM	Transitive-Closure Spanners	Arnab Bhattacharyya, Elena Grigorescu and Kyomin Jung, Massachusetts Institute of Technology; Sofya Raskhodnikova, Pennsylvania State University; David P. Woodruff, IBM Almaden Research Center
				10:40 AM	Partitioning Graphs into Balanced Components	Robi Krauthgamer, Weizmann Institute of Science, Israel; Joseph (Seffi) Naor and Roy Schwartz, Technion, Israel
				9:00 AM	Efficient Algorithms on Sets of Permutations, Dominance, and Real-weighted APSP	Raphael Yuster, University of Haifa, Israel
				9:25 AM	Discounted Deterministic Markov Decision Processes and Discounted All-Pairs Shortest Paths	Omid Madani, SRI International; Mikkel Thorup, AT&T Labs - Research; Uri Zwick, Tel Aviv University, Israel

		Concurrent Sessions 9:00 AM - 11:05 AM	9C	9:50 AM	An Improved Approximation Algorithm for the Column Subset Selection Problem	Christos Boutsidis, Rensselaer Polytechnic Institute; Michael W. Mahoney, Stanford University; Petros Drineas, Rensselaer Polytechnic Institute
				10:15 AM	Column Subset Selection, Matrix Factorization, and Eigenvalue Optimization	Joel Tropp, California Institute of Technology
				10:40 AM	Loopless Generation of Multiset Permutations using a Constant Number of Variables by Prefix Shifts	Aaron Williams, University of Victoria, Canada
		Coffee Break		11:05 AM - 11:30 AM		
		Invited Plenary Session	10	11:30 AM - 12:30 PM	The Unreasonable Effectiveness of Martingales	Yuval Peres, Microsoft Research
		Lunch (attendees on their own)		12:30 PM - 2:00 PM		
		Concurrent Sessions 2:00 PM - 4:05 PM	11A	2:00 PM	Dimension Detection via Slivers	Siu-Wing Cheng and Man-Kwun Chiu, HKUST, Hong Kong
				2:25 PM	Persistent Homology for Kernels, Images, and Cokernels	David Cohen-Steiner, INRIA, France; Herbert Edelsbrunner, Duke University, Berlin Mathematical School, Germany, and Geomagic; John Harer and Dmitriy Morozov, Duke University
				2:50 PM	Analysis of Scalar Fields over Point Cloud Data	Frédéric Chazal, INRIA, France; Leonidas J. Guibas, Stanford University; Steve Y. Oudot, INRIA, France; Primoz Skraba, Stanford University
				3:15 PM	Constructing Laplace Operators from Point Clouds in R(d)	Mikhail Belkin, The Ohio State University; Jian Sun, Stanford University; Yusu Wang, The Ohio State University
				3:40 PM	Size Complexity of Volume Meshes vs. Surface Meshes	Benoît Hudson, Toyota Technological Institute at Chicago; Gary L. Miller, Todd Phillips and Don Sheehy, Carnegie Mellon University
				2:00 PM	Packing Multiway Cuts in Capacitated Graphs	Siddharth Barman and Shuchi Chawla, University of Wisconsin, Madison

		Concurrent Sessions 2:00 PM - 4:05 PM	11B	2:25 PM	On the Approximability of Dodgson and Young Elections	Ioannis Caragiannis, University of Patras, Greece; Jason A. Covey, Rochester Institute of Technology; Michal Feldman, The Hebrew University of Jerusalem, Israel; Christopher M. Homan, Rochester Institute of Technology; Christos Kaklamanis and Nikos Karanikolas, University of Patras, Greece; Ariel D. Procaccia, Microsoft Israel R&D Center, Israel; Jeffrey S. Rosenschein, The Hebrew University of Jerusalem, Israel
				2:50 PM	Approximate Clustering without the Approximation	Maria-Florina Balcan, Avrim Blum and Anupam Gupta, Carnegie Mellon University
				3:15 PM	Robust PCA and Clustering in Noisy Mixtures	S. Charles Brubaker, Georgia Institute of Technology
				3:40 PM	Coresets and Approximate Clustering for Bregman Divergences	Marcel R. Ackermann and Johannes Blömer, University of Paderborn, Germany
		Concurrent Sessions 2:00 PM - 4:05 PM	11C	2:00 PM	Multi-Dimensional Online Tracking	Ke Yi and Qin Zhang, Hong Kong University of Science and Technology, Hong Kong
				2:25 PM	A New Approach to Incremental Topological Ordering	Michael Bender, Stony Brook University; Jeremy Fineman, Massachusetts Institute of Technology; Seth Gilbert, EPFL, Switzerland
				2:50 PM	Online Scheduling to Minimize the Maximum Delay Factor	Chandra Chekuri and Benjamin Moseley, University of Illinois, Urbana-Champaign
				3:15 PM	Collecting Weighted Items from a Dynamic Queue	Marcin Bienkowski, University of Wroclaw, Poland; Marek Chrobak, University of California, Riverside; Christoph Dürr, CNRS, France; Mathilde Hurand, Google, Switzerland; Artur Jez, Łukasz Jeż and Grzegorz Stachowiak, University of Wroclaw, Poland
				3:40 PM	Paging and List Update under Bijective Analysis	Spyros Angelopoulos and Pascal Schweitzer, Max-Planck-Institut für Informatik, Germany
		Coffee Break		4:05 PM - 4:30 PM		

		Concurrent Sessions 4:30 PM - 6:35 PM	12A	4:30 PM	Algorithms for Finding an Induced Cycle in Planar Graphs and Bounded Genus Graphs	Yusuke Kobayashi, University of Tokyo, Japan; Ken-ichi Kawarabayashi, National Institute of Informatics, Japan
				4:55 PM	List-Color-Critical Graphs on a Fixed Surface	Ken-ichi Kawarabayashi, National Institute of Mathematics, Japan, and Bojan Mohar, Simon Fraser University
				5:20 PM	Additive Approximation Algorithms for List-Coloring Minor-Closed Class of Graphs	Ken-ichi Kawarabayashi, National Institute of Informatics, Japan; Erik D. Demaine, Massachusetts Institute of Technology; MohammadTaghi Hajiaghayi, AT&T Labs - Research
				5:45 PM	Three-coloring Triangle-free Planar Graphs in Linear Time	Zdeněk Dvořák, Charles University, Czech Republic; Ken-ichi Kawarabayashi, National Institute of Informatics, Japan; Robin Thomas, Georgia Institute of Technology
				6:10 PM	A Nearly Linear Time Algorithm for the Half Integral Parity Disjoint Paths Packing Problem	Ken-ichi Kawarabayashi, National Institute of Informatics, Japan; Bruce Reed, McGill University, Canada
		Concurrent Sessions 4:30 PM - 6:35 PM	12B	4:30 PM	The Uniform Hardcore Lemma via Approximate Bregman Projections	Boaz Barak and Moritz Hardt, Princeton University; Satyen Kale, Microsoft Research
				4:55 PM	Improved Approximation Bound for Quadratic Optimization Problems with Orthogonality Constraints	Anthony Man-Cho So, The Chinese University of Hong Kong, Hong Kong
				5:20 PM	On the Approximability of the Maximum Feasible Subsystem Problem with 0/1-coefficients	Khaled Elbassioni and Rajiv Raman, Max-Planck-Institut für Informatik, Germany; Saurabh Ray, Universität des Saarlandes, Germany; René Sitters, Eindhoven University of Technology, The Netherlands
				5:45 PM	On the Relative Strength of Split, Triangle and Quadrilateral Cuts	Amitabh Basu, Carnegie Mellon University; Pierre Bonami, Université de Marseille, France; Gérard Cornuéjols and François Margot, Carnegie Mellon University
				6:10 PM	A Simple Combinatorial Algorithm for Submodular Function Minimization	Satoru Iwata, Kyoto University, Japan; James B. Orlin, Massachusetts Institute of Technology

				4:30 PM	Weighted Flow Time Does not Admit O(1)-competitive Algorithms	Nikhil Bansal, IBM T. J. Watson Research Center; Ho-Leung Chan, Max-Planck-Institut für Informatik, Germany
				4:55 PM	Secretary Problems: Weights and Discounts	Moshe Babaioff, Microsoft Research; Michael Dinitz and Anupam Gupta, Carnegie Mellon University; Nicole Immorlica, Centrum voor Wiskunde en Informatica, The Netherlands; Kunal Talwar, Microsoft Research
		Concurrent Sessions 4:30 PM - 6:35 PM	12C	5:20 PM	Stream Sampling for Variance-optimal Estimation of Subset Sums	Edith Cohen and Nick Duffield, AT&T Labs - Research, Haim Kaplan, Tel Aviv University, Israel, Carsten Lund and Mikkel Thorup, AT&T Labs - Research
				5:45 PM	An Online Mechanism for Ad Slot Reservations with Cancellations	Florin Constantin, Harvard University; Jon Feldman, S. Muthukrishnan and Martin Pál, Google
				6:10 PM	Online Story Scheduling for Web Advertising	Anirban Dasgupta and Arpita Ghosh, Yahoo! Research; Hamid Nazerzadeh, Stanford University; Prabhakar Raghavan, Yahoo! Research
		Conference Adjourns		6:35 PM		