

PROGRAM AT A GLANCE

August 2nd, 2016

Time	Sessions (8:30 – 16:45)		
All day	On-Site Registration		TBA
8:30-8:40	Conference Opening and Welcome Remarks		TBA
8:40-9:40	Keynote 1		TBA
9:40-10:10	Coffee Break		TBA
Venue	TBA	TBA	
10:10-11:50	Session 1: Game Theory & Algorithms	Session 2: Parameterized Complexity and Algorithms	
11:50-13:30	Lunch		TBA
Venue	TBA	TBA	
13:30-15:10	Session 3: Database and Data Structures	Session 4: Computational Complexity	
15:10-15:30	Coffee Break		
Venue	TBA	TBA	
15:30-16:45	Session 5: Scheduling Algorithms and Circuit Complexity	Session 6: Cryptography	

August 3rd, 2016

Time	Sessions (8:30 – 16:45)		
All day	On-Site Registration		TBA
8:40-9:40	Keynote 2		TBA
9:40-10:10	Coffee Break		TBA
Venue	TBA	TBA	
10:10-11:50	Session 7: Network and Algorithms	Session 8: Graph Theory & Algorithms I	
11:50-13:30	Lunch		
Venue	TBA	TBA	
13:30-15:10	Session 9: Graph Theory & Algorithms II	Session 10: Computational Geometry	
15:10-15:30	Coffee Break		
Venue	TBA	TBA	
15:30-16:45	Session 11: Approximation Algorithms	Session 12: Computational Geometry and Computational Biology	
17:30-20:30	Banquet at Sheraton Hotel		

August 4th, 2016

Time	Sessions (8:30 – 12:10)		
All day	On-Site Registration		TBA
Venue	TBA	TBA	TBA
8:30-10:10	Session 13: Logic, Algebra and Automata		
10:10-10:30	Coffee Break		
Venue	TBA		
10:30-11:30	COCOON Business Meeting		

PROGRAM

August 2nd, 2016

Time	Venue	Events
8:30-8:40	TBA	Opening
8:40-9:40	TBA	Keynote 1
9:40-10:10		Coffee Break
10:10-11:50	TBA	Session 1: Game Theory & Algorithms Chair:
		Clairvoyant Mechanisms for Online Auctions <i>Philipp Brandes, Zengfeng Huang, Hsin-Hao Su, Roger Wattenhofer</i>
		Truthfulness for the Sum of Weighted Completion Times <i>Eric Angel, Evripidis Bampis, Fanny Pascual, Nicolas Thibault</i>
		Network Topologies for Weakly Pareto Optimal Nonatomic Selfish Routing <i>Xujin Chen, Zhuo Diao</i>
		New Results for Network Pollution Games <i>Eleftherios Anastasiadis, Xiaotie Deng, Piotr Krysta, Minming Li, Han Qiao, Jinshan Zhang</i>
	TBA	Session 2: Parameterized Complexity and Algorithms Chair:
		Polynomial-time Algorithm for Isomorphism of Graphs with Clique-width at most three <i>Bireswar Das, Murali Krishna Enduri, Vinod Reddy</i>
		Fixed Parameter Complexity of Distance Constrained Labeling and Uniform Channel Assignment Problems <i>Jiri Fiala, Tomas Gavenciak, Dusan Knop, Martin Koutecký, Jan Kratochvíl</i>
		A Parameterized Algorithm for Bounded-Degree Vertex Deletion <i>Mingyu Xiao</i>
		The Monotone Circuit Value Problem with Bounded Genus is in NC <i>Faisal Abu-Khzam, Shouwei Li, Christine Markarian, Friedhelm Meyer auf der Heide, Pavel Podlipyán</i>
11:50-13:30		Lunch
		Session 3: Database and Data Structures Chair:
		Locality-Sensitive Hashing without False

13:30-15:10	TBA	Negatives for l_p <i>Andrzej Pacuk, Piotr Sankowski, karol Węgrzycki, Piotr Wygocki</i>
		Improved Space efficient algorithms for BFS, DFS and applications <i>Niranka Banerjee, Sankardeep Chakraborty, Venkatesh Raman</i>
		Metric 1-median selection: Query complexity vs. approximation ratio <i>Ching-Lueh Chang</i>
		Frequent-Itemset Mining using Locality-Sensitive Hashing <i>Debajyoti Bera</i>
	TBA	Session 4: Computational Complexity Chair:
		On the Hardness of Switching to a Small Number of Edges <i>Vít Jelínek, Eva Jelínková, Jan Kratochvíl</i>
		On Hard Instances of Non-Commutative Permanent <i>Christian Engels, B. V. Raghavendra Rao</i>
		The Effect of Range and Bandwidth on the Round Complexity in the Congested Clique Model <i>Florent Becker, Antonio Fernandez Anta, Ivan Rapaport, Eric Remila</i>
		Minimum Cost Homomorphisms with Constrained Costs <i>Mayssam Mohammadi Nevisi, Pavol Hell</i>
	15:10-15:30	Coffee Break
15:30-16:45	TBA	Session 5: Scheduling Algorithms and Circuit Complexity Chair:
		Online Non-Preemptive Scheduling to Optimize Max Stretch on a Single Machine <i>Abhinav Srivastav, Denis Trystram, Pierre Francois Dutot, Erik Saule</i>
		Complex-demand Scheduling Problem with Application in Smart Grid <i>Majid Khonji, Areg Karapetyan, Khaled Elbassioni, Chi-Kin Chau</i>
		From Preemptive to Non-preemptive Scheduling using Rejections <i>Giorgio Lucarelli, Abhinav Srivastav, Denis Trystram</i>
		Flow Shop for Dual CPUs in Dynamic Voltage Scaling <i>Vincent Chau, Fong Ken, Minming Li, Kai Wang</i>
		Session 6: Cryptography Chair:

		Combiners for Chosen-Ciphertext Security <i>Cong Zhang, David Cash, Xiuhua Wang, Xiaoqi Yu, Sherman S. M. Chow</i>
	TBA	Homomorphic Evaluation of Lattice-Based Symmetric Encryption Schemes <i>Pierre-Alain Fouque, Benjamin Hadjibeyli, and Paul Kirchner</i>
		Four-Round Zero-Knowledge Arguments of Knowledge with Strict Polynomial-Time Simulation from Differing-Input Obfuscation for Circuits <i>Ning Ding, Yanli Ren, Dawu Gu</i>
		Inferring Sequences Produced by a Linear Congruential Generator on Elliptic Curves using Coppersmith's Methods <i>Thierry Mefenza</i>

August 3rd, 2016

Time	Venue	Events
8:40-9:40	TBA	Keynote 2
9:40-10:10		Coffee Break
10:10-11:50	TBA	Session 7: Network and Algorithms Chair:
		The Routing of Complex Contagion in Kleinberg's Small-World Networks <i>Wei Chen, Qiang Li, Xiaoming Sun, Jialin Zhang</i>
		The Maximum Disjoint Routing Problem <i>Farhad Shahmohammadi, Amir Sharif-Zadeh, Hamid Zarrabi-Zadeh</i>
		Balanced Allocation on Graphs: A random walk approach <i>All Pourmiri</i>
	TBA	Session 8: Graph Theory & Algorithms I Chair:
		On the Power of Simple Reductions for the Maximum Independent Set Problem <i>Darren Strash</i>
		Deterministic Algorithms for Unique Sink Orientations of Grids <i>Luis Barba, Malte Milatz, Jerri Nummenpalo, Antonis Thomas</i>
		From Graph Orientation to the Unweighted Maximum Cut <i>Walid Ben-Ameur, Antoine Glorieux, José Neto</i>

11:50-13:30		Lunch
13:30-15:10	TBA	Session 9: Graph Theory & Algorithms II Chair:
		Maximum Weight Independent Sets in (S1;1;3, bull)-free Graphs <i>Karthick Thiyagarajan, Frédéric Maffray</i>
		Decomposing Cubic Graphs Into Connected Subgraphs of Size Three <i>Laurent Bulteau, Guillaume Fertin, Anthony Labarre, Romeo Rizzi, Irena Rusu</i>
		Automorphisms of the Cube n^d <i>Pavel Dvorak, Tomáš Valla</i>
		Hadwiger's Conjecture and Squares of Chordal Graphs <i>Sunil Chandran Leela, Davis Issac, Sanming Zhou</i>
	TBA	Session 10: Computational Geometry Chair:
		Minimum Width Color Spanning Annulus <i>Ankush Acharyya, Subhas C. Nandy, Sasanka Roy</i>
		Computing a Minimum-Width Square or Rectangular Annulus with Outliers <i>Sang Won Bae</i>
		Approximating the Maximum Rectilinear Crossing Number <i>Samuel Bald, Matthew Johnson, Ou Liu</i>
		An Improved Approximation Algorithm for rSPR Distance <i>Zhi-Zhong Chen, Lusheng Wang</i>
15:10-15:30		Coffee Break
15:30-16:45	TBA	Session 11: Approximation Algorithms Chair:
		An Improved Constant-Factor Approximation Algorithm for Planar Visibility Counting Problem <i>Sharareh Alipour, Mohammad Ghodsi, Amir Jafari</i>
		Approximation Algorithms for the Star k-hub Center Problem in Metric Graphs <i>Li-Hsuan Chen, Dun-Wei Cheng, Sun-Yuan Hsieh, Ling-Ju Hung, Chia-Wei Lee, Bang Ye Wu</i>
		Balls and Funnel: Energy Efficient Group-to-group Anycasts <i>Jennifer Iglesias, Rajmohan Rajaraman, R Ravi, Ravi Sundaram</i>
		Assigning Proximity Facilities for Gatherings <i>Shin-ichi Nakano</i>
		Session 12: Computational Geometry and Computational Biology Chair:

		Algorithms for k-median Clustering over Distributed Streams <i>Sutanu Gayen, N. V. Vinodchandran</i>
	TBA	Polygon Simplification by Minimizing Convex Corners <i>Yeganeh Bahoo torudi, Stephane Durocher, Mark Keil, Saeed Mehrabi, Sahar Mehrpour, Debajyoti Mondal</i>
		Combinatorial Scoring of Phylogenetic Networks <i>Nikita Alexeev, Max Alekseyev</i>
		Highly Bi-Connected Subgraphs for Computational Protein Function Annotation <i>Jucheol Moon, Iddo Friedberg, Oliver Eulenstein</i>
18:00-20:00		Banquet

August 4th, 2016

Time	Venue	Events
8:30-10:10	TBA	Session 13: Game Theory & Algorithms Chair:
		Cost Register Automata for Nested Words <i>Andreas Krebs, Nutan Limaye, Michael Ludwig</i>
		Extending MSVL with Semaphore <i>XinFeng Shu, Zhenhua Duan</i>
		A Decision Procedure for Linear Time Mu-Calculus on Finite Traces <i>Yao Liu, Zhenhua Duan, Cong Tian, Bin Cui</i>
		On the Complexity of Insertion Propagation with Functional Dependency Constraints <i>Dongjing Miao, Zhipeng Cai, xianmin liu, Jianzhong Li</i>
10:10-10:30		Coffee Break
10:30-12:10	TBA	COCOON Business Meeting