

Thursday, June 19	
8:00-8:20	Opening remarks
	Session Chair: Franco P. Preparata
8:20-9:20 Invited Talk	“Computer Science in the Information Age” Speaker: John Hopcroft
9:20-9:40 Data Stream	“Estimating hybrid frequency moments of data streams” by Sumit Ganguly, Mohit Bansal and Shruti Dubey.
9:40-10:00	Tea Break (Group Photo)
10:00-11:40	Session Chair: Liao Li
Biomedical Informatics	<p>“Optimal Field Splitting, with Applications in Intensity-Modulated Radiation Therapy” by Danny Z. Chen and Chao Wang.</p> <p>“A Practical Parameterized Algorithm for Weighted Minimum Letter Flips Model of the Individual Haplotyping Problem” by Jianxin Wang, Minzhu Xie, Wei Zhou and Jianer Chen.</p> <p>“SlopeMiner: An Improved Method for Mining Subtle Signals in Time Course Microarray Data” by Kevin McCormick, Roli Shrivastava and Li Liao.</p> <p>“A PTAS For The k-Consensus Structures Problem Under Euclidean Squared Distance” by Shuai Cheng Li, Yen Kaow Ng and Louxin Zhang.</p> <p>“Haplotype Assembly from Weighted SNP Fragments and Related Genotype Information” by Seung-Ho Kang, In-Seon Jeong, Mun-Ho Choi and Hyeong-Seok Lim.</p>
12:00-13:30	Lunch
	Session Chair: Yijie Han
13:30-14:30 Invited Talk	“Fixed Point Computation and Equilibrium” Speaker: Xiaotie Deng
14:30-15:30 Graph Algorithms (I)	<p>“Characterizing and computing minimal cograph completions” by Daniel Lokshtanov, Federico Mancini and Charis Papadopoulos.</p> <p>“Efficient First-Order Model-Checking using Short Labels” by Bruno COURCELLE, Cyril Gavoille and Kanté Mamadou Moustapha.</p> <p>“Ranking of Closeness Centrality for Large-Scale Social Networks” by Kazuya Okamoto, Wei Chen and Xiang-Yang Li.</p>
15:30-15:50	Tea Break
15:50-17:50	Session Chair: Thomas Ottmann
Discrete Structures	<p>“Absorbing Random Walks and the NAE2SAT problem” by K. Subramani.</p> <p>“Versioning Tree Structures by Path-Merging” by Khaireel Mohamed, Tobias Langner and Thomas Ottmann.</p> <p>“A Linear In-situ Algorithm for the Power of Cyclic Permutation” by Jinyun Xue, Bo Yang and ZhengKang Zuo.</p>

Internet Algorithms	<p>“Hardness of (k-SAT,r-UNkSAT) and (LSAT\geqk,r-UNLSAT\geq k)” by Tianyan Deng and Daoyun Xu.</p> <p>“Constraint Abstraction in Verification of Security Protocol” by Ti Zhou, ZhouJun Li, MengJun Li and Huowang Chen.</p> <p>“Fast Convergence of Variable-structure congestion Control Protocol with explicit precise feedback” by Huixiang Zhang, Guanzhong Dai, Lei Yao and Hairui Zhou.</p>
Friday, June 20	
	Session Chair: Danny Z. Chen
8:00-9:00 Invited Talk	<p>“Knowledge-Based Approaches to Quantitative Medical Image Analysis and Image-Based Decision Making” Speaker: Milan Sonka</p>
9:00-9:40 Game Theory	<p>“Multi-bidding Strategy in Sponsored Keyword Auction” by Tian-Ming Bu, Xiaotie Deng and Qi Qi.</p> <p>“A CSP-based Approach for Solving Parity Game” by Min Jiang, Changle Zhou, Guoqing Wu and Fan Zhang.</p>
9:40-10:00	Tea Break
10:00-11:40	Session Chair: Stavros Nikolopoulos
Graph Algorithms (II)	<p>“Matching for Graphs of Bounded Degree” by Yijie Han.</p> <p>“Searching Trees with Sources and Targets” by Chris Worman and Boting Yang.</p> <p>“Mixed search number of permutation graphs” by Pinar Heggernes and Rodica Mihal.</p> <p>“The 2-terminal-set Path Cover Problem and its Polynomial Solution on Cographs” by Katerina Asdre and Stavros Nikolopoulos.</p> <p>“A Distributed Algorithm to Approximate Node-weighted Minimum α-Connected (θ,k)-Coverage in Dense Sensor Networks” by Yongan Wu, Min Li, Zhiping cai and En Zhu.</p>
12:00-13:30	Lunch
13:30-18:00	Local Tour
18:00-20:00	Banquet
Saturday, June 21	
8:00-10:00	Session Chair: Henning Fernau
Parameterized Algorithms and Heuristics	<p>“The Parameterized Complexity of the Rectangle Stabbing Problem and its Variants” by Michael Dom and Somnath Sikdar.</p>

Computational Geometry	<p>“Applying a New Grid-based Elitist-reserving Strategy to EMO Archive Algorithms” by Jiongliang Xie, Jinhua Zheng, Biao Luo and Miqing Li.</p> <p>“Solving Medium-Density Subset Sum Problems in Expected Polynomial Time: An Enumeration Approach” by ChangLin Wan and Zhongzhi Shi.</p> <p>“Constraint bipartite vertex cover: simpler exact algorithms and implementations” by Guoqiang Bai and Henning Fernau.</p> <p>“Optimal Surface Flattening” by Danny Z. Chen and Ewa Misiolek.</p> <p>“Visiting a Polygon on the Optimal Way to a Query Point” by Ramtin Khosravi and Mohammad Ghodsi.</p>
10:00-10:20	Tea Break
10:20-11:40	Session Chair: Qizhi Fang
Machine Learning	<p>“A Scalable Algorithm for Graph-based Active Learning” by Wentao Zhao, Jun Long, En Zhu and Yun Liu.</p> <p>“A Supervised Feature Extraction Algorithm for Multi-class” by Shifei Ding, Fengxiang Jin, Xiaofeng Lei and Zhongzhi Shi.</p> <p>“An Incremental Feature Learning Algorithm Based on Least Square Support Vector Machine” by Xinwang Liu, Guomin Zhang, Zhan Yubin and En Zhu.</p> <p>“A Novel Wavelet Image Fusion Algorithm Based on Chaotic Neural Network” by Hong Zhang, Yan Cao, Yan-feng Sun and Lei Liu.</p>
12:00-13:30	Lunch