

**June 21**

<b>Time</b>	<b>Venue</b>	<b>Events</b>	<b>Chairs</b>	
8:30--8:40	117	Opening		
8:40--9:40	117	<b>Recent Results for Online Makespan Minimization</b> (Invited Talk) <i>Susanne Albers</i>	<b>Guochuan Zhang</b>	
9:40--10:10		Photo & Coffee break		
10:10--11:50	117	<b>Game Theory</b>	<b>Minming Li</b>	
		<b>New Bounds for the Balloon Popping Problem</b> <i>Vittorio Bilò, Davide Bilò</i>		
		<b>On the Sequential Price of Anarchy of Isolation Games</b> <i>Anna Angelucci, Vittorio Bilò, Michele Flammini, Luca Moscardelli</i>		
		<b>Social Exchange Networks with Distant Bargaining</b> <i>Konstantinos Georgiou, George Karakostas, Jochen Konemann, Zuzanna Stamirowska</i>		
		<b>The 1/4-Core of the Uniform Bin Packing Game is Nonempty</b> <i>Xian Qiu, Walter Kern</i>		
	211-212	<b>Randomized Algorithms</b>		<b>Bernard Mans</b>
		<b>On the Advice Complexity of the Online L(2,1)-coloring Problem on Paths and Cycles</b> <i>Maria Paola Bianchi, Hans-Joachim Böckenhauer, Juraj Hromkovic, Sacha Krug, Björn Steffen</i>		
		<b>A Fast Algorithm for Data Collection along a Fixed Track</b> <i>Otfried Cheong, Radwa El Shawi, Joachim Gudmundsson</i>		
<b>Random Methods for Parameterized Problems</b> <i>Qilong Feng, Jianxin Wang, Shaohua Li, Jianer Chen</i>				
11:50--13:30		Lunch		

June 21

Time	Venue	Events	Chairs
13:30--15:10	211	<b>Scheduling Algorithms</b>	Donglei Du
		<b>DVS Scheduling in a Line or a Star Network of Processors</b> <i>Zongxu Mu, Minming Li</i>	
		<b>Online Algorithms For Batch Machines Scheduling with Delivery Times</b> <i>Peihai Liu, Xiwen Lu</i>	
		<b>How to Schedule the Marketing of Products with Negative Externalities</b> <i>Zhigang Cao, Xujin Chen, Changjun Wang</i>	
		<b>From Preemptive to Non-preemptive Speed-Scaling Scheduling</b> <i>Evrpidis Bampis, Alexander Kononov, Dimitrios Letsios, Giorgio Lucarelli, Ioannis Nemparis</i>	
	212	<b>Computational Theory</b>	Joachim Gudmundsson
		<b>Selection from Read-Only Memory with Limited Workspace</b> <i>Amr Elmasry, Daniel Dahl Juhl, Jyrki Katajainen, Srinivasa Rao Satti</i>	
		<b>Determinization of Büchi Automata by Partitioned Automata</b> <i>Cong Tian</i>	
		<b>On Linear-Size Pseudorandom Generators and Hardcore Functions</b> <i>Joshua Baron, Yuval Ishai, Rafail Ostrovsky</i>	
		<b>A Fast Algorithm Finding the Shortest Reset Words</b> <i>Andrzej Kisielewicz, Jakub Kowalski, Marek Szykula</i>	
15:10--15:30		Coffee break	
15:30--17:10	211	<b>Computational Geometry</b>	Binhai Zhu
		<b>The Discrete Voronoi Game in a Simple Polygon</b> <i>Aritra Banik, Sandip Das, Anil Maheshwari, Michiel Smid</i>	
		<b>Facets for Art Gallery Problems</b> <i>S ́́ndor Fekete, Stephan Friedrichs, Alexander Kr ́́ller, Christiane Schmidt</i>	
		<b>Hitting and Piercing Rectangles Induced by a Point Set</b> <i>Ninad Rajgopal, Pradeesha Ashok, Sathish Govindarajan, Abhijit Khopkar, Neeldhara Misra</i>	
		<b>Realistic Roofs over a Rectilinear Polygon Revisited</b> <i>Jessica Sherette, Sang Duk Yoon</i>	
	212	<b>Graph Algorithms I</b>	Lusheng Wang
		<b>Parametric Power Supply Network</b> <i>Shiho Morishita, Takao Nishizeki</i>	
		<b>Approximating the Minimum Independent Dominating Set in Perturbed Graphs</b> <i>Weitian Tong, Randy Goebel, Guohui Lin</i>	
		<b>A Linear-Time Algorithm for the Minimum Degree Hypergraph Problem with the Consecutive Ones Property</b> <i>Chih-Hsuan Li, Jih-Hong Ye, Biing-Feng Wang</i>	
		<b>On the Conjunctive Capacity of Graphs</b> <i>Janka Chlebikova, Miroslav Chlebik</i>	

June 22

Time	Venue	Events	Chairs
8:30--10:10	211	<b>Approximation Algorithms</b>	Xiaodong Hu
		<b>Improved Approximation Algorithms for the Facility Location Problems with Linear/Submodular Penalty</b> Yu Li, Donglei Du, Naihua Xiu, <i>Dachuan Xu</i>	
		<b>An Improved Semidefinite Programming Hierarchies Rounding Approximation Algorithm for Maximum Graph Bisection Problems</b> <i>Chenchen Wu</i> , Donglei Du, Dachuan Xu	
		<b>Improved Local Search for Universal Facility Location</b> Eric Angel, Kim Thang Nguyen, <i>Damien Regnault</i>	
		<b>Improved Approximation Algorithms for Computing k Disjoint Paths Subject to Two Constraints</b> <i>Longkun Guo</i> , Kewen Liao, Hong Shen	
	212	<b>Graph Algorithms II</b>	Janka Chlebikova
		<b>The k-Separator Problem</b> Walid Ben-Ameur, Mohamed-Ahmed Mohamed-Sidi, <i>Jose Neto</i>	
		<b>On the Treewidth of Dynamic Graphs</b> <i>Bernard Mans</i> , Luke Mathieson	
		<b>Square-Orthogonal Drawing with Few Bends per Edge</b> Yu-An Lin, <i>Sheung-Hung Poon</i>	
		<b>Covering Tree with Stars</b> <i>Rashid Ibragimov</i> , Jiong Guo, Jan Baumbach	
	203	<b>CSoNet I</b>	Ding-Zhu Du
		<b>A New Model for Product Adoption over Social Networks</b> Lidan Fan, Zaixin Lu, <i>Weili Wu</i> , Yuanjun Bi, Ailian Wang	
		<b>Generating Uncertain Networks based on Historical Network Snapshots</b> Meng Han, Mingyuan Yan, <i>Jinbao Li</i> , Shouling Ji, Yingshu Li	
		<b>A Short-term Prediction Model of Topic Popularity on Microblogs</b> <i>Juanjuan Zhao</i> , Weili Wu, Xiaolong Zhang, Yan Qiang, Tao Liu, Lidong Wu	
		<b>Social Network Path Analysis based on HBase</b> <i>Yan Qiang</i> , Junzuo Lu, Weili Wu, Juanjuan Zhao, Xiaolong Zhang, Yue Li, Lidong Wu	
10:10--10:25		Coffee break	

June 22

Time	Venue	Events	Chairs
10:25--12:05	211	<b>Computational Biology</b>	Guohui Lin
		<b>A Polynomial Time Approximation Scheme for the Closest Shared Center Problem</b> Weidong Li, <i>Lusheng Wang</i> , Wenjuan Cui	
		<b>An Improved Approximation Algorithm for Scaffold Filling to Maximize the Common Adjacencies</b> Nan Liu, <i>Haitao Jiang</i> , Daming Zhu, Binhai Zhu	
		<b>An Efficient Algorithm for One-Sided Block Ordering Problem with Block-Interchange Distance</b> <i>Kun-Tze Chen</i> , Chi-Long Li, Chung-Han Yang, Chin Lung Lu	
		<b>A Combinatorial Approach for Multiple RNA Interaction: Formulations, Approximations, and Heuristics</b> Syed Ali Ahmed, <i>Saad Mneimneh</i> , Nancy L. Greenbaum	
	212	<b>Graph Algorithms III</b>	George Karakostas
		<b>Maximum Balanced Subgraph Problem Parameterized Above Lower Bound</b> Robert Crowston, Gregory Gutin, Mark Jones, <i>Gabriele Muciaccia</i>	
		<b>A Toolbox for Provably Optimal Multistage Strict Group Testing Strategies</b> Peter Damaschke, <i>Azam Sheikh Muhammad</i>	
		<b>A Linear Edge Kernel for Two-Layer Crossing Minimization</b> <i>Yasuaki Kobayashi</i> , Hirokazu Maruta, Yusuke Nakae, Hisao Tamaki	
		<b>A Linear-Time Algorithm for Computing the Prime Decomposition of a Directed Graph with Regard to the Cartesian Product</b> <i>Christophe Crespelle</i> , Eric Thierry, Thomas Lambert	
	203	<b>CSoNet II</b>	Ronaldo Menezes
		<b>Community Expansion Model Based on Charged System Theory</b> Yuanjun Bi, <i>Weili Wu</i> , Ailian Wang, Lidan Fan	
		<b>Centrality and Spectral Radius in Dynamic Communication Networks</b> Danica Vukadinovic Greetham, <i>Zhivko Stoyanov</i> , Peter Grindrod	
		<b>Finding Network Communities using Random Walkers with Improved Accuracy</b> <i>You Li</i> , Jie Wang, Benyuan Liu, Qilian Liang	
		<b>Homophilies and Communities Detection Among A Subset of Blogfa Persian Weblogs: Computer and Internet Category</b> <i>Adib Rastegarnia</i> , Meysam Mohajer, Vahid Solouk	
12:05--13:30		Lunch	

June 22

Time	Venue	Events	Chairs
13:30--15:10	211	<b>Online Algorithms</b>	Walter Kern
		<b>Metrical Service Systems with Multiple Servers</b> <i>Ashish Chiplunkar, Sundar Vishwanathan</i>	
		<b>The String Guessing Problem as a Method to Prove Lower Bounds on the Advice Complexity</b> Hans-Joachim Böckenhauer, Juraj Hromkovic, Dennis Komm, Sacha Krug, Jasmin Smula, <i>Andreas Sprock</i>	
		<b>Online Algorithms for 1-Space Bounded 2-Dimensional Bin Packing and Square Packing</b> <i>Yong Zhang, Francis Y.L. Chin, Hingfung Ting, Xin Han, Chung Keung Poon, Yung H. Tsin, Deshi Ye</i>	
		<b>Improved Lower Bounds for the Online Bin Packing Problem with Cardinality Constraints</b> <i>Hiroshi Fujiwara, Koji Kobayashi</i>	
	212	<b>Workshop I</b>	Tian Liu
		<b>Straight-Line Monotone Grid Drawings of Series-Parallel Graphs</b> <i>Md. Iqbal Hossain, Md Saidur Rahman</i>	
		<b>Combination of Two-machine Flow Shop Scheduling and Shortest Path Problems</b> <i>Kameng Nip, Zhenbo Wang</i>	
		<b>The Program Download Problem: Complexity and Algorithms</b> <i>Chao Peng, Jie Zhou, Binhai Zhu, Hong Zhu</i>	
		<b>Finding Theorems in NBG Set Theory by Automated Forward Deduction Based on Strong Relevant Logic</b> <i>Hongbiao Gao, Kai Shi, Yuichi Goto, Jingde Cheng</i>	
	203	<b>CSoNet III</b>	Jinbao Li
		<b>Neighborhood-based Dynamic Community Detection with Graph Transform for 0-1 Observed Networks</b> <i>Li Wang, Weili Wu, Yuanjun Bi, Wen Xu, Biao Lian</i>	
		<b>Effects of Inoculation based on Structural Centrality on Rumor Dynamics in Social Networks</b> <i>Anurag Singh, Rahul Kumar, and Yatindra Nath Singh</i>	
		<b>A Dominating Set Based Approach to Identify Effective Leader Group of Social Network</b> Donghyun Kim, <i>Deying Li</i> , Omid Asgari, Yingshu Li, and Alade O. Tokuta	
		<b>Using Network Sciences to Evaluate the Brazilian Airline Network</b> Douglas Oliveira, Marco Carvalho, <i>Ronaldo Menezes</i>	
15:10--15:30		Coffee break	

June 22

Time	Venue	Events	Chairs
15:30--17:10	211	<b>Parameterized Algorithms</b>	Evripidis Bampis
		<b>Parameterized Complexity of Flood-Filling Games on Trees</b> <i>Ueverton Souza, Fábio Protti, Maise Dantas da Silva</i>	
		<b>Parameterized Approximability of Influence in Social Networks</b> <i>Cristina Bazgan, Morgan Chopin, André Nichterlein, Florian Sikora</i>	
		<b>An Effective Branching Strategy for Some Parameterized Edge Modification Problems with Multiple Forbidden Induced Subgraphs</b> <i>Yunlong Liu, Jianxin Wang, Jiong Guo, Jianer Chen, Chao Xu</i>	
		<b>Parameterized Algorithms for Maximum Agreement Forest on Multiple Trees</b> <i>Feng Shi, Jianer Chen, Qilong Feng, Jianxin Wang</i>	
	212	<b>Workshop II</b>	Hong Zhu
		<b>Perturbation Analysis of Maximum-Weighted Bipartite Matchings with Low Rank Data</b> <i>Xingwu Liu, Shang-Hua Teng</i>	
		<b>Sublinear Time Approximate Sum via Uniform Random Sampling</b> <i>Bin Fu, Wenfeng Li, Zhiyong Peng</i>	
		<b>Tractable Connected Domination for Restricted Bipartite Graphs</b> <i>Zhao Lu, Tian Liu, Ke Xu</i>	
		<b>On the Minimum Caterpillar Problem in Digraphs</b> <i>Taku Okada, Akira Suzuki, Takehiro Ito, Xiao Zhou</i>	
18:00—20:00		Banquet	

June 23

Time	Venue	Events	Chairs
8:30--9:30	211-212	<b>Optimal Stopping Meets Combinatorial Optimization</b> (Invited Talk) <i>Robert Kleinberg</i>	<b>Ding-Zhu Du</b>
9:30--9:50		Coffee break	
9:50--11:30	211	<b>Computational Complexity</b>	<b>Francis Chin</b>
		<b>Small H-coloring problems for bounded degree digraphs</b> <i>Aurosish Mishra, Pavol Hell</i>	
		<b>Bounded Model Checking for Propositional Projection Temporal Logic</b> <i>Zhenhua Duan</i>	
		<b>Packing Cubes into a Cube is NP-hard in the Strong Sense</b> <i>Yiping Lu, Danny Chen, Jianzhong Cha</i>	
		<b>On the Complexity of Solving or Approximating Convex Recoloring Problems</b> <i>Manoel Camp ão, Cristiana Huiban, Rudini Sampaio, Yoshiko Wakabayashi</i>	
	212	<b>Algorithms</b>	<b>Yung H. Tsin</b>
		<b>2-connecting Outerplanar Graphs without Blowing Up the Pathwidth</b> <i>Jasine Babu, Manu Basavaraju, L. Sunil Chandran, Deepak Rajendraprasad</i>	
		<b>How to Catch L2-Heavy-Hitters on Sliding Windows</b> <i>Vladimir Braverman, Ran Gelles, Rafail Ostrovsky</i>	
		<b>Time/Memory/Data Tradeoffs for variants of the RSA Problem</b> <i>Pierre-Alain Fouque, Damien Vergnaud, Jean-Christophe Zapalowicz</i>	
		<b>An Improved Algorithm for Extraction of Exact Boundaries and Boundaries Inclusion Relationship</b> <i>Tao Hu, Xinyi Ren, Jihong Zhang</i>	
11:30--13:00		Lunch	
13:30—20:30		Local Tour	