FAW 2017 Program

June 22, 2017

15:00-21:00	On-site Registration	The hotel lobby of Tibet Hotel Chengdu

June 23, 2017

8:40-9:00	Opening session		Speaker: Jianer Chen	Chair
9:00-10:00	Invited Talk		Interesting research directions in deep learning *Speaker: John Hopcroft*	Chair:
10:00-10:30	Coffee Break			
10:30-11:50	Session I Chair:	10:30-10:50	On Approximation Algorithms for Two-Stage Scheduling Problems *Guangwei Wu, Jianer Chen and Jianxin Wang*	
		10:50-11:10	A 1.4-Approximation Algorithm For Two-sided Scaffold Filling *Jingjing Ma, Haitao Jiang, Daming Zhu and Shu Zhang*	
		11:10-11:30	Complete Submodularity Characterization in the Comparative Independent Cascade Model *Wei Chen and Hanrui Zhang*	
		11:30-11:50	A Constant Amortized Time Algorithm for Generating Left-Child Sequences in Lexicographic Order *Kung-Jui Pai, Jou-Ming Chang and Ro-Yu Wu*	
11:50-14:00	Lunch			
14:00-15:20	Session II Chair:	14:00-14:20	On-line Scheduling with a Monotonous Subsequence Constraint *Kelin Luo, Yinfeng Xu, Huili Zhang and Wei Luo*	
		14:20-14:40	Online Strategies for Evacuating from a Convex Region in the Plane *Songhua Li and Yinfeng Xu*	
		14:40-15:00	Online Knapsack Problem under Concave Functions *Xin Han, Ning Ma, Kazuhisa Makino and He Chen*	
		15:00-15:20	A Risk-reward Model for On-line Financial Leasing Problem with an Interest Rate *Xiaoli Chen and Weijun Xu*	
15:20-15:50	Coffee Break			
15:50-17:10	Session III Chair:	15:50-16:10	FPT algorithms for FVS parameterized by split and cluster vertex deletion sets and other parameters *Diptapriyo Majumdar and Venkatesh Raman*	
		16:10-16:30	Modular-width: An Auxiliary Parameter for Parameterized Parallel Complexity *Shouwei Li, Faisal Abu-Khzam, Christine Markarian, Friedhelm Meyer Auf der Heide and Pavel Podlipyan*	
		16:30-16:50	A $42k$ Kernel for the Complementary Maximal Strip Recovery Problem *Wenjun Li, Liu Haiyang, Lingyun Xiang and Yongjie Yang*	
		16:50-17:10	On the Fixed-Parameter Tractability of Some Matching Problems Under the Color-Spanning Model *Sergey Bereg, Feifei Ma, Wencheng Wang, Jian Zhang and Binhai Zhu*	

June 24, 2017

9:00-10:00	Invited Talk		Frontiers and key open problems in parameterized complexity *Speaker: Michael R.Fellows*	Chair:
10:00-10:30	Coffee Break			
10:30-11:50	Session IV Chair:	10:30-10:50	On the Complexity of Minimizing the Total Calibration Cost *Eric Angel, Evripidis Bampis, Vincent Chau and Vassilis Zissimopoulos*	
		10:50-11:10	The complexity of finding (approximate sized) distance d dominating sets in tournaments *Arindam Biswas, Varunkumar Jayapaul, Venkatesh Raman and Srinivasa Rao Satti*	
		11:10-11:30	Phase Transition for Maximum Not-All-Equal Satisfiability *Junping Zhou, Shuli Hu, Tingting Zou and Minghao Yin*	
		11:30-11:50	A New Lower Bound for Positive Zero Forcing *Boting Yang*	
11:50-13:30	Lunch			
13:30-19:00	Trip (To visit the Base of Giant Panda)			
19:00-21:00	Banquet			

June 25, 2017

9:00-10:00	Invited Talk		Geometric data structures motivated by wireless networks *Speaker: Matthew Katz*	Chair:
10:00-10:30	Coffee Break			
10:30-11:50	Session V Chair:	10:30-10:50	On Computational Aspects of Greedy Partitioning of Graphs *Piotr Borowiecki*	
		10:50-11:10	Designing and Implementing Algorithms for the Closest String Problem *Zhi-Zhong Chen, Shota Yuasa, Bin Ma and Lusheng Wang*	
		11:10-11:30	A further analysis of the dynamic dominant resource fairness mechanism *Weidong Li, Xi Liu, Xiaolu Zhang and Xuejie Zhang*	
		11:30-11:50	Geodectic Contraction Games on Trees *Yue-Li Wang*	
11:50-14:00	Lunch			
14:00-15:20	Session VI Chair:	14:00-14:20	Maximum Edge Bicliques in Tree Convex Bipartite Graphs *Tian Liu*	
		14:20-14:40	Optimal Partitioning Which Maximizes the Weighted Sum of Products *Kai Jin*	
		14:40-15:00	Fluctuated Fitting under the ℓ_1-metric *Kai Jin*	
		15:00-15:20	The Broken-Triangle Property with Adjoint Values *Jian Gao, Rong Chen, Minghao Yin and Hui Li*	