

FAW2017 Program

June 22, 2017 (Hotel lobby, 1st floor)

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

June 23, 2017 (Tanggula Hall, 17th floor)

| | | |
|------------------|--|--|
| | Session Chair: <i>Frances A. Rosamond</i> | |
| 8:40-9:00 | Opening session | <i>Speaker: Jianer Chen</i> |
| 9:00-10:00 | Invited Talk | Interesting research directions in deep learning <i>Speaker: John Hopcroft</i> |
| 10:00-10:30 | Coffee Break | |
| Session I | Session Chair: <i>Faisal Abu-Khzam</i> | |
| | 10:30-10:50 | On Approximation Algorithms for Two-Stage Scheduling Problems <i>Guangwei Wu, Jianer Chen and Jianxin Wang</i> |
| | 10:50-11:10 | A 1.4-Approximation Algorithm For Two-sided Scaffold Filling <i>Jingjing Ma, Haitao Jiang, Daming Zhu and Shu Zhang</i> |
| | 11:10-11:30 | Complete Submodularity Characterization in the Comparative Independent Cascade Model <i>Wei Chen and Hanrui Zhang</i> |
| | 11:30-11:50 | A Constant Amortized Time Algorithm for Generating Left-Child Sequences in Lexicographic Order <i>Kung-Jui Pai, Jou-Ming Chang and Ro-Yu Wu</i> |
| 11:50-14:00 | Lunch (YAK café, 2nd floor) | |

| | | |
|--------------------|--|--|
| Session II | Session Chair: <i>Guochuan Zhang</i> | |
| | 14:00-14:20 | On-line Scheduling with a Monotonous Subsequence Constraint <i>Kelin Luo, Yinfeng Xu, Huili Zhang and Wei Luo</i> |
| | 14:20-14:40 | Online Strategies for Evacuating from a Convex Region in the Plane <i>Songhua Li and Yinfeng Xu</i> |
| | 14:40-15:00 | Online Knapsack Problem under Concave Functions <i>Xin Han, Ning Ma, Kazuhisa Makino and He Chen</i> |
| | 15:00-15:20 | A Risk-reward Model for On-line Financial Leasing Problem with an Interest Rate <i>Xiaoli Chen and Weijun Xu</i> |
| 15:20-15:50 | Coffee Break | |
| Session III | Session Chair: <i>Vincent Chau</i> | |
| | 15:50-16:10 | FPT algorithms for FVS parameterized by split and cluster vertex deletion sets and other parameters <i>Diptapriyo Majumdar and Venkatesh Raman</i> |
| | 16:10-16:30 | Modular-width: An Auxiliary Parameter for Parameterized Parallel Complexity <i>Shouwei Li, Faisal Abu-Khzam, Christine Markarian, Friedhelm Meyer Auf der Heide and Pavel Podlipyán</i> |
| | 16:30-16:50 | A $42k$ Kernel for the Complementary Maximal Strip Recovery Problem <i>Wenjun Li, Liu Haiyang, Lingyun Xiang and Yongjie Yang</i> |
| 16:50-17:10 | On the Fixed-Parameter Tractability of Some Matching Problems Under the Color-Spanning Model <i>Sergey Bereg, Feifei Ma, Wencheng Wang, Jian Zhang and Binhai Zhu</i> | |

June 24, 2017 (Tanggula Hall, 17th floor)

| | | |
|-------------------|---|--|
| 9:00-10:00 | Session Chair: <i>Mingyu Xiao</i> | |
| | Invited Talk | Frontiers and key open problems in parameterized complexity <i>Speaker: Michael R.Fellows</i> |
| 10:00-10:30 | Coffee Break | |
| Session IV | Session Chair: <i>Zhi-Zhong Chen</i> | |
| | 10:30-10:50 | On the Complexity of Minimizing the Total Calibration Cost <i>Eric Angel, Evripidis Bampis, Vincent Chau and Vassilis Zissimopoulos</i> |
| | 10:50-11:10 | The complexity of finding (approximate sized) distance d dominating sets in tournaments <i>Arindam Biswas, Varunkumar Jayapaul, Venkatesh Raman and Srinivasa Rao Satti</i> |
| | 11:10-11:30 | Phase Transition for Maximum Not-All-Equal Satisfiability <i>Junping Zhou, Shuli Hu, Tingting Zou and Minghao Yin</i> |
| | 11:30-11:50 | A New Lower Bound for Positive Zero Forcing <i>Boting Yang</i> |
| 11:50-13:30 | Lunch (YAK café, 2nd floor) | |
| 13:30-19:00 | Trip : To visit the Base of Giant Panda (Note: Assemble at the hotel lobby of Tibet Hotel) | |
| 19:00-21:00 | Banquet (Auspicious Tibetan Banquet Hall, 2nd floor) | |

June 25, 2017 (Tanggula Hall, 17th floor)

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