Jiaoyang Li

Curriculum Vitae

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Education

2017-Present **Ph.D. in Computer Science**, *University of Southern California (USC)*, Los Angeles, California, United States.
Advisor: Sven Koenig

2013-2017 **B.Eng. in Automation**, *Tsinghua University (THU)*, Beijing, China.
Thesis: Group decision making in car-following and lane-changing maneuvers for autonomous vehicles based on iVICS. Advised by Dr. Jianming Hu

Research Interests

I am interested in many topics related to Artificial Intelligence, such as combinatorial algorithms, heuristic search, scheduling and planning for robotics, transportation and supply chain management.

Publications

2018 [6] A. Felner, **J. Li**, E. Boyarski, H. Ma, L. Cohen, S. Kumar and S. Koenig. Adding Heuristics to Conflict-Based Search for Multi-Agent Path Finding. In *Proceedings of the International Conference on Automated Planning and Scheduling (ICAPS),* 2018.

[5] H. Ma, G. Wagner, A. Felner, **J. Li**, S. Kumar and S. Koenig. Multi-Agent Path Finding with Deadlines. In *Proceedings of the International Joint Conference on Artificial Intelligence (IJCAI),* 2018.

[4] H. Ma, G. Wagner, A. Felner, **J. Li**, S. Kumar and S. Koenig. Multi-Agent Path Finding with Deadlines: Preliminary Results. In *Proceedings of the International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS),* 2018.

2017 [3] H. Ma, **J. Li**, S. Kumar and S. Koenig. Lifelong Multi-Agent Path Finding for Online Pickup and Delivery Tasks. In *Proceedings of the International Joint Conference on Autonomous Agents and Multiagent Systems (AAMAS),* 837-845, 2017.

[2] Y. Jia, H. Chen, **J. Li**, F. He, M. Li, Z. Hu, and Z. Shen. Planning for Electric Taxi Charging System from the Perspective of Transport Energy Supply Chain: A Data-Driven Approach in Beijing. In *Processing of IEEE Transportation Electrification Conference & EXPO Asia-Pacific (ITEC-AP),* 1-6, 2017.

[1] **J. Li**, J. Hu and Y. Zhang. Optimal Combinations and Variable Departure Intervals for Micro Bus System. *Tsinghua Science and Technology (TST),* 22, (3), 282-292, 2017.

Honors and Awards

2017 Viterbi/Graduate School Fellowship, *University of Southern California*

2017 Excellent Graduate Awards, *Beijing Municipal Education Commission*

2015-2017 Spark Talents Program Fellowship, *Tsinghua University*

2014-2016 3x Academic Excellence Award, *Tsinghua University*

2014-2016 3x Scholarship for Outstanding Students, *Tsinghua University*

Reviewing

2018 IEEE Conference on Computational Intelligence and Games (CIG)

2018 ICAPS Workshop on Planning and Robotics (PlanRob)

2017 AAAI/ACM Conference on Artificial Intelligence, Ethics, and Society (AIES)

2017 Tsinghua Science and Technology (TST)

Professional Skills

Programming Proficient in C/C++, Python and MATLAB. Familiar with C#, Java, R, VHDL and Verilog.

Languages Proficient in English. Native in Mandarin Chinese.