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.

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*

Academic Activities and Experience

Conference and Workshop Reviewer

2018	AAAI Conference on Artificial Intelligence and Interactive Digital Entertainment (AIIDE)
2018	ACM Siggraph Conference on Motion, Interaction and Games (MIG)
2018	The International Symposium on Combinatorial Search (SoCS)
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)

Journal Reviewer

2017	Tsinghua Science and Technology (TST)

Student Mentor

Summer 2018	Minghua Liu (Undergraduate Student in Computer Science at Tsinghua University), *USC-Tsinghua Summer Research Program*

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.