

Lingzhi Luo

Email: luolingzhi@gmail.com
102, 14th Street, 2nd Floor
Troy, NY 12180
(518) 698-2899

Education:

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| 2006-present | Rensselaer Polytechnic Institute
Graduate student, computer science
GPA: 4.0/4.0 till date. | Troy, NY |
| 2004-2006 | Tsinghua University
M. S., Computer Science | Beijing, China |
| 2000-2004 | Tsinghua University
B.S., Automation | Beijing, China |
| 2000 | Entrance exams to Universities
3 rd in Jiangxi Province
(out of about 100,000 examinees) | Jiangxi, China |

Research Experience:

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|--------------|---|----------------|
| 2006-present | Robotics Lab, Rensselaer Polytechnic Institute
Supervisor: Prof. Srinivas Akella
Research area: Digital Microfluidics System
Topic: Scheduling algorithms for digital microfluidics system. | Troy, NY |
| 2004-2006 | Info. Tech. National Lab, Tsinghua University
Supervisor: Prof. Zengqi Sun
Research area: Macro-micro flexible manipulator systems
Topic: Task Space Division and Trajectory planning of a macro-micro flexible manipulator systems. | Beijing, China |
| 2004 summer | Space Robot Group, Tsinghua University
Supervisor: Prof. Zengqi Sun
Research area: Humanoid Robot Pace Simulation
Topic: Simulation and stability analysis of humanoid robot
<i>Lunar</i> , awarded the best performance prize in Chinese Robocup Match, Guangzhou, 2004 | Beijing, China |
| 2004 | Four- Legged Robot Group, Tsinghua University
Supervisor: Prof. Mingguo Zhao
Research area: Decision of multi-robot group in 4 vs 4 soccer match
Topic: Design the decision module and program architecture.
The first Prize in Chinese Robocup, 2004 (Group) | Beijing, China |

Publication & Theses:

- L. Luo and S. Akella. **Optimal Scheduling for Biochemical Analyses on Digital Microfluidic Systems**. To appear at Proceedings of *IROS07*. San Diego, USA, October 2007. Proceedings of *IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS)*, pp. 3151-3157, San Diego, USA, October 2007.
- L. Luo. **Trajectory Planning of a Flexible Macro-micro Manipulator System**. Master thesis, June 2006.
- L. Luo, Y. Zhang and Z. Sun. **Task Space Division and Trajectory Planning for a Flexible Macro-Micro Manipulator System**. *Journal of Tsinghua Science and Technology (JTST)*, Vol. 12, No.5, pp. 607-613, October 2007.
- L. Luo, Y. Zhang, Z. Sun and T. Yang. **Global Optimization of Motion Planning for a Flexible Macro-micro Manipulator System using Estimation of Distribution Algorithm**. Proceedings of *International Conference on Artificial Intelligence (ICAI)*, Beijing, China, August 2006.
- L. Luo. **Decision Module Design for Robocup Four-legged Group**. Undergraduate Thesis, June 2004.

Professional Service:

Reviewer for:

International Conference on Robotics and Automation (ICRA)
International Conference on Intelligent Robots and Systems (IROS)

Member of :

IEEE (student member)

Skills:

Systems: Windows & Linux

Language: C, C++, Oz

Software: Matlab