

# Li Dongda

**Gender:** Male

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## Education

School of Automation and Information Engineering

**Xi'an University of Technology**

**09/2011-06/2015**

**B.S., major in Automation**

**Advisor:** Yingming YI

**Specialized courses** included automatic control theory, signal and system analysis, motion control technology, computer control technology, sensor technology, C++ language, embedded system, circuit theory, etc.

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## Research Experience

**Research Assistant**

**03/2019-Present**

Cyberspace Institute of Advanced Technology

**Guangzhou University**

**Supervisors:** Zhaoquan Gu

**Research Area:** Reinforcement learning, Neural Combinatorial Optimization, Meta-learning

**Research Assistant**

**10/2018-01/2019**

Shenzhen Institutes of Advanced Technology

**Chinese Academy of Sciences**

**Supervisors:** Chengzhong Xu

**Research Area:** Reinforcement learning, Neural Combinatorial Optimization

**Research Assistant**

**08/2016-05/2017**

The Department of Compute Science

**The University of HongKong**

**Supervisors:** Francis C.M. Lau, Yuexuan Wang and Heming Cui

**Research Area:** Robotic Network, Wireless Sensor Network, Internet of Things

**Research Assistant**

**07/2016-07/2017**

Unmanned Aerial Vehicle Autonomous Control Institute

**Beijing Institute of Technology**

**Supervisor:** Defu Lin

**Research Area:** Unmanned Aerial Vehicle Control System, Navigation System, Data Fusion

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## Research Interests

Robotic Control and Navigation, Reinforcement learning

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## Publications

- **Dongda Li**, Zhaoquan Gu, Yuexuan Wang, Changwei Ren, Francis C.M. Lau, One model packs thousands of items with Recurrent Conditional Query Learning, *Knowledge-Based Systems*, 2021, 107683, ISSN 0950-7051,
  - Zhaoquan Gu, **Dongda Li**, Nadra Guizani, Xiaojiang Du, Zhihong Tian. An Aerial Computing Assisted Architecture for Large-Scale Sensor Networks. *IEEE Communications Magazine*. In press.
  - Tong Shen, Yuexuan Wang, Zhaoquan Gu, **Dongda Li**, Zhen Cao, Heming Cui, Francis C.M. Lau. Alano: An Efficient Neighbor Discovery Algorithm In An Energy-Restricted Large-Scale Network. *IEEE International Conference on Mobile Ad-hoc and Sensor Systems*. 2018
  - **Dongda Li**, Yuexuan Wang, Zhaoquan Gu, Tong Shen, Tianhao Wei, Yongqin Fu, Heming Cui, Mingli Song, Francis C. M. Lau. Adler: A Resilient, High-Performance and Energy-Efficient UAV-Enabled Sensor System.<http://www.cs.hku.hk/research/techreps/document/TR-2018-01.pdf>. 2018-01
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## Professional Services

Guest reviewer, IEEE Journal on Selected Areas in Communications (JSAC);

Guest reviewer, IEEE International Conference on Intelligent Robots and Systems (IROS);

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## Research Projects:

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| ◆ Research on Collaborative Analysis and Autonomous Decision Technology for Intelligent Manufacturing Big Data. National Key R&D Program of China (No.2018YFB1004003). | 05/2018-04/2021 |
| ◆ UAV-Enabled Sensor System  | 08/2017-03/2018 |
| ◆ <u>MBZIRC-2017</u> International Robotic Competition ( <b>Champion</b> )   | 01/2017-03/2017 |
| ◆ Autonomous takeoff and landing of the intelligent quadrotor(Thesis)  | 12/2014-06/2015 |
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## Professional skills

- ◆ Familiar with statistic learning theory and practice;
  - ◆ Familiar with the principle of inertial navigation, integrated navigation algorithm and application;
  - ◆ Familiar with Robot operating system(ROS) programming and application;
  - ◆ Master the C / C ++/Python language, data structure, with good code preparation habits;
  - ◆ Master the Linux system programming;
  - ◆ Familiar with GIT and Academic Writing;
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## Language skills

Chinese: native language

English: IELTS 7.0

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## Awards

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|---------------------|---|---------|
| <b>Champion</b>     | Mohamed Bin Zayed International Robotics Challenge (MBZIRC) 2017.             | 03/2017 |
| <b>Grand Prize</b>  | The eighth Shaanxi province outstanding graduation design                     | 06/2015 |
| <b>Second Prize</b> | Xi'an University of Technology, 2014 Emerson "CONSIDER IT SOLVED"             | 08/2014 |
| <b>First Prize</b>  | The 21st session of the " Innovation Prix" science and technology competition | 11/2012 |
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