Ting Bai

Personal Data

Nationality:	China
Title:	Postdoctoral Researcher
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Education and work experience

SEP 2020 – PRESENT

Postdoctoral Researcher in Electrical Engineering and Computer Science, **KTH Royal Institute of Technology**, Stockholm, Sweden
Group: Division of Decision and Control Systems
Supervisor: Prof. Jonas Mårtensson and Prof. Karl Henrik Johansson
Research Interests: Distributed model predictive control, complex networked systems, coordination and optimization of intelligent transport systems, and structural control system theory, etc.

MAR 2020 – SEP 2020

Postdoctoral Researcher in Computer Science and Technology, **Shanghai Jiao Tong University**, Shanghai, China
Group: Dynamic Systems Optimization
Supervisor: Prof. Shaoyuan Li and Prof. Guangtao Xue
"Super Postdoctoral fellow" in Shanghai supported by special funding

SEP 2013 – DEC 2019

Ph.D. in Electronic Information and Electrical Engineering, **Shanghai Jiao Tong University**, Shanghai, China
Major: Control Science and Engineering,
Thesis: "Design and Synthesis of Distributed Reconfigurable Predictive Control Systems" | Supervisor: Prof. Shaoyuan Li

SEP 2009 – JUN 2013

Bachelor in Engineering, **Northwestern Polytechnical University**, Xi'an, China
Major: Automation | GPA: 87.77/100 (Top 3%)
Thesis: "Research on the Principle Prototype of Soft PLC based on Embedded Systems"
Comprehensive Ranking: **No.1** in the School

Language and Programming Skills

Language:	Chinese (Native language)
	English (Fluent, CET 6)
Professional:	C (National Computer Rank Examination Band 2)
	Python, MATLAB, LaTeX

Scholarships and Prizes

2020	Future Digileaders 2020 of Digital Futures in Stockholm
2020	"Super Postdoctoral Fellow" in Shanghai, China, supported by special funding
2020	**Development Scholarship for Outstanding Doctoral Graduates** in Shanghai Jiao Tong University | 15 Ph.D. graduates are awarded each year
2013-2015	Grants sponsored by Shanghai Jiao Tong University alumni
2013	**Excellent Graduate** of Northwestern Polytechnical University
2013	Excellent Graduation Thesis of Northwestern Polytechnical University
2012	National Motivational Scholarship
2012	First-class Scholarship of Northwestern Polytechnical University
2012	"Ji Wenmei" Special Scholarship
2012	Miyoshi Outstanding Student of Northwestern Polytechnical University
2012	Improvement Innovation Competition in Industry (school-level), 1st place
2012	Industrial Engineering Creative Competition in Shaanxi Province, 2nd place
2012	"Principle & Application of Microcomputer" Experimental Skills Contest (school-level), 2nd place
2011	First-class Scholarship of Northwestern Polytechnical University
2011	"Wu Yajun" Special Scholarship
2011	Mathematical Contest in Modeling for College Students (school-level), 1st place
2010	Miyoshi Outstanding Student of Northwestern Polytechnical University
2010	First-class Scholarship of Northwestern Polytechnical University
2010	"Kun Chuan" Special Scholarship
2010	University-level "Advanced Individual" in Social Practice
2010	Advanced Mathematics Contest in Shaanxi Province, 3rd place
2009	Special Award for **New College Students** | **Top 1% in entrance examination**

Major Projects (worked on)

2020–2022:	"Economic and Environmental Impacts of Multi-Brand Platooning". (The Horizon 2020 through the Project ENSEMBLE in the European Union)
2019–2020:	"Science and Technology Innovation in 2030–New Generation of AI". (The Major Program of the National Natural Science Foundation of China)
2017–2019:	"Design and Synthesis of Distributed Predictive Control Systems under the Framework of Cyber-Physical Systems (CPSs)". (The National Program on Key Basic Research Project of China)
2013–2017:	"Strategies and Algorithms Developed for Addressing Real-Time Constrained Optimization Problems in Large-Scale Engineering Systems". (The National Natural Science Foundation of China)