Zhijun Li,
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Education	**Ph.D.** in Mechatronics Shanghai Jiao Tong University P. R. China	1999 - 2002
	M. Eng. in Mechanical Engineering Wuhan University of Technology, P. R. China	1996 - 1999
	B.Eng. in Mechanical Engineering Wuhan University of Technology, P. R. China	1992 - 1996
Employment	**Dean** School of Mechanical Engineering Tongji Univeristy	2024-present
	Dean Institute of Intelligent Autonomous Robotics Tongji University	2024-present
	Director Shanghai Key Laboratory of Wearable Robotics and Human-Machine Interaction Shanghai Science and Technology Committee	2024-present
	Chair Professor School of Mechanical Engineering Tongji University, Shanghai	2023-present
	Director Intelligent Robotics Lab Institute of Artificial Intelligence of Anhui	2020-2023
	Director Advanced Robotics Center, Institute of Advanced Technology University of Science and Technology of China	2019-2023
	Vice Dean School of Information Science and Technology University of Science and Technology of China	2019-2023

	Chair Professor	2017-2023
	Department of Automation	
	University of Science and Technology of China	
	Full Professor	2012-2016
	College of Automation Science and Engineering	
	South China University of Technology	
	Visiting Professor	9/2015-12/2015
	The Faculty Science and Technology	
	University of Macau	
	Visiting Professor	7/2015-9/2015
	Department of Advanced Robotics	
	Italian Institute of Technology	
	Associate Professor	2008-2011
	Department of Automation	
	Shanghai Jiao Tong University	
	Researcher	2007-2008
	Microsoft Research Asia, Beijing	
	Research Fellow	2005-2006
	Electronics and Computer Engineering	
	National University of Singapore	
	Postdoctoral Fellow	2003-2005
	Dept. of Mechanical Engineering and Intelligent System	
	The University of Electro-Communications	
Awards	*IAAM Fellow*	2026
	IEEE Most Active SMC Technical Committee Awards	2025
	IEEE SMC Society	
	AAIA Fellow	2022
	IEEE Fellow	2021
	Outstanding Associate Editor Award	2023
	Robotic Intelligence and Automation	
	Outstanding Paper Award	2021
	IEEE Transactions on Neural Network and Learning Systems	
	Best Paper Award Finalist	2020
	IEEE/ASME Transactions on Mechatronics	
	Norbert Wiener Review Award	2019
	IEEE/CAA Journal of Automatica Sinica	
	Highly Cited Researcher	2019-2024
	Web of Science Group	
	Distinguished Lecturer	2018-2020
	IEEE Robotics and Automation Society	
	National Ten-thousand Talents Program	2018
	Chinese Government	

	Best Associate Editor Award IEEE Systems, Man and Cybernetics Society	2017
	Toshio Fukuda Best Mechatronics Paper Award IEEE International Conference on Advanced Robotics & Mechatronics	2017
	Distinguished Young Scientist Award Chinese Automation Association	2017
	Natural Science Award (First class) Chinese Automation Association	2017
	Wuwenjun Artificial Intelligence Award of China (First class) Chinese Association for Artificial Intelligence	2016
	National Distinguished Young Scholar National Natural Science Foundation of China	2016
	Best Cognitive Robotics Award IEEE International Conference on Advanced Robotics & Mechatronics	2016
	Best Paper Award The 8th International Conference on Intelligent Robotics & Applications	2015
	Best Conference Paper Award IEEE International Conference on Information and Automation	2015
	Best Student Paper Award IEEE Cyber 2015	2015
	Steve and Rosalind Hsia Best Biomedical Paper Award The 11th World Congress on Intelligent Control and Automation	2014
	T. J. Tarn Best Student Paper Award The 11th World Congress on Intelligent Control and Automation	2014
	Best Conference Paper Award The 2012 IEEE International Conference on Information and Automation	2012
	New Century Excellent Talents in University Ministry of Education of China	2012
	Shanghai Pujiang Talents Award Shanghai Science and Technology Committee	2008
Professional Services	- BoG Member (2023-2025), IEEE Systems, Man and Cybernetics Society - Award Committee Member, IEEE Transactions on Automation Science and Engineering (2024) - Fellow, AAIA (2022) - Fellow, IEEE (2022) - Senior Member, IEEE (2009-2021) - Member, IEEE (2007-2008) - Founding Co-Chair, IEEE Technical Committee on Bio-mechatronics and Bio-robotics Systems, IEEE Systems, Man and Cybernetics Society	

	• Founding Co-Chair, IEEE Technical Committee on Neuro-Robotics, IEEE Robotics and Automation Society • Founding Co-Chair, IEEE Technical Committee on Flexible Electronic Systems • Vice Chair, IEEE SMC Beijing Capital Region Chapter • Member, IEEE Cognitive and Developmental Systems Technical Committee (2017-2023)
Editorship	**Senior Editor** 2022-present IEEE Transactions on Automation on Science and Engineering
	Associate Editor 2025-present Robotica
	Associate Editor 2022-present IEEE Transactions on Fuzzy Systems
	Associate Editor 2019- present IEEE Transactions on Cybernetics
	Associate Editor 2021-present Robotic Intelligence and Automation
	Associate Editor 2022-2026 IEEE Transactions on Robotics
	Editor 2019-present Robot (Chinese phonetic alphabet: Jiqiren)
	Associate Editor 2015-2023 IEEE Transactions on System, Man and Cybernetics: Systems
	Senior Editor 2009-2022 Journal Intelligent & Robotic Systems
	Technical Editor 2019-2022 IEEE Transactions on Mechatronics
	Associate Editor 2017-2022 IEEE Transactions on Cognitive and Developmental Systems
	Associate Editor 2017-2021 IEEE/CAA Journal of Automatica Sinica
	Associate Editor 2015-2021 IEEE Transactions on Neural Network and Learning Systems
	Associate Editor 2016-2019 IEEE Transactions on Automation Science and Engineering
	Guest Editor 2025 IEEE Transactions on Robotics
	Guest Editor 2022 Robotica
	Guest Editor 2021 IEEE Transactions on Fuzzy Systems

	Guest Editor	2020
	IEEE Transactions on Artificial Intelligence	
	Guest Editor	2020
	IEEE Transactions on Mechatronics	
	Guest Editor	2018, 2019
	Science China: Information Science	
	Guest Editor	2019
	Robotics and Autonomous Systems	
	Guest Editor	2019
	Advanced Robotics	
	Guest Editor	2017
	IEEE Robotics and Automation Letter	
	Guest Editor	2017
	IEEE Trans. Industrial Informatics	
	Guest Editor	2016
	IEEE/CAA Journal of Automatica Sinica	
	Guest Editor	2015
	IEEE Transactions on Systems Man and Cybernetics: Systems	
	Associate Editor	2013-2016
	Journal of Control Theory and Application	
General Chair/Technical Program Committee	➢ **General Chair** 2028 IEEE International Conference on Developmental and Learning, Shanghai, China ➢ **Award Chair** IEEE SMC 2026, Seatle, USA ➢ **Senior Program Committee** 2026 40th AAAI Conference on Artificial Intelligence, Singapore ➢ **General Chair** 2023 IEEE International Conference on Developmental and Learning, Macau, China ➢ **Program Chair** 2022 Chinese Control Conference ➢ **Co-General Chair** 2022 IEEE International Conference on Advanced and Mechatronics ➢ **Associate Editor** 2026-2021IEEE International conference on Robotics and Automation ➢ **Award Panel Chair** 2021 IEEE International conference on Robotics and Automation, Best Robot Vision Paper Award Selection ➢ **Program Committee Member** 2021 Chinese Control Conference	

	➢ **Conference Editorial Board Member** 2020 IEEE/ASME International Conference on Advanced Intelligent Mechatronics ➢ **Program Chair** 2020 5th IEEE International Conference on Advanced Robotics & Mechatronics, Shenzhen, China ➢ **Program Chair** 2019 4th IEEE International Conference on Advanced Robotics & Mechatronics, Osaka, Japan ➢ **Program Chair** 2018 3rd IEEE International Conference on Advanced Robotics & Mechatronics, Singapore ➢ **Program Chair** 2017 2nd IEEE International Conference on Advanced Robotics & Mechatronics, Hefei, China ➢ **General Chair** 2016 1st IEEE International Conference on Advanced Robotics & Mechatronics, Macau, China ➢ Workshop and Special Sessions Committee, ROBIO 2017 ➢ TPC, The 34rd Chinese Control Conference (CCC 2015) ➢ TPC, IEEE International Conference on Robotics and Biomimetics (Robio2014) ➢ TPC, IEEE International Conference on Information and Automation 2014 (IEEE ICIA2014) ➢ TPC, IEEE International Conference on Fuzzy Systems (FUZZ-IEEE 2014) ➢ TPC, The 33rd Chinese Control Conference (CCC 2014) ➢ TPC, The 11th World Congress on Intelligent Control and Automation (WCICA 2014) ➢ TPC, IEEE International Conference Robotics and Biomimetics (IEEE-ROBIO 2013) ➢ TPC, The 3rd IFAC International Conference on Intelligent Control and Automation Science (ICONS 2013) ➢ TPC, The 6th International Conference on Intelligent Robotics and Applications (ICIRA2013) ➢ TPC, IEEE Multi-Conference on Systems and Control (MSC 2012) ➢ TPC, The 5th International Conference on Intelligent Robotics and Applications (ICIRA2012) ➢ TPC, The 10th World Congress on Intelligent Control and Automation (WCICA2012) ➢ TPC, The 32rd Chinese Control Conference (CCC2012) ➢ 2011 IEEE International Conference on Automation and Logistics ➢ The 4th International Conference on Intelligent Robotics and Applications (ICIRA2011)

	- TPC, IEEE Multi-Conference on Systems and Control (MSC 2011). - TPC, 2010 IEEE/RSJ International Conference on Intelligent Robots and Systems (IROS2010) - TPC, The First International Conference on Pervasive Computing, Signal Processing and Applications (PCSPA2010) - TPC, 2011 IEEE International Conference on Automation and Logistics (ICAL 2010) - TPC, The 9th World Congress on Intelligent Control and Automation (WCICA 2010) - TPC, IEEE International Conference on Automation and Logistics (ICAL 2009) - TPC, IEEE International Conference on Automation and Logistics (ICAL 2008) - TPC, The 8th World Congress on Intelligent Control and Automation (WCICA2008)
Plenary Talks	1) Fellow Lecture, International Conference on Materials Science and Technology (ICMTech 2026), Sweden 2) Plenary Talk, 14th IFAC Symposium in Robotics,2025 3) Plenary Talk, 3rd IEEE International Conference on Micro/Nano Sensors for AI, Healthcare, and Robotics Engineering, 2024 4) Plenary Talk, 16th International Conference on Machine Learning and Computing,2024 5) Keynote, International Conference on Neural Information Processing ICONIP 2023, Changsha, China 6) Invited speech, IEEE 7th International Conference on Control Science and Systems Engineering, 2021, July 30-Aug. 1, Qingdao, China 7) Plenary Talk, The 15rh CAA Younf Sciencetist Forum, April, 2021, Zhengzhou, China 8) Invited Speech, The 35th Youth Academic Annual Conference of Chinese Association of Automation, Oct., 2020, Zhanjiang, China 9) Keynote Talk, The 15th International Conference on Intelligent Unmanned Systems, Aug. 2020, Beijing 10) Invited Talk, International Conference on Future Technology and Disruptive Innovation, Aug. 2020, Hangzhou 11) Plenary Talk, 2020 IEEE International Conference on Information, Cybernetics, and Computational Social Systems, Guangzhou, Nov. 2020 12) Keynote speech, The 11th International Workshop on Human-Friendly Robotics，2018, Shenzhen, China 13) Invited Talk, Chinese Automation Conference, 2018, Xian, China 14) Plenary Talk, The International Symposium on Frontiers in Rehabilitation Medicine, 2012.12, Guangzhou.

	15) Invited Talk, China Computer Conference 2018, Hangzhou
	16) Invited Talk, China-Japan Scientist Symposium, Qingdao, China
	17) Invited Talk, Rehabilitation Engineering Conference & International Symposium on Rehabilitation Engineering, Qinhuangdao, 2018, China
	18) Invited Talk, Chinese Automation Conference, Jinan, 2017, China
	19) Plenary Talk, 2013 Chinese Intelligent Automation Conference (CIAC 2013), 2013. 8, Yangzhou, China.
	20) Invited Lecture, International Forum on the frontier development of rehabilitation medicine, 2012, Guangzhou
Monograph	[1] Zhijun Li, Chenguang Yang, and Liping Fan, ***Advanced control of wheeled inverted pendulum Systems***, Springer, London, 2012
	[2] Zhijun Li, Shuzhi Sam Ge, ***Fundamentals in Modeling and Control of Mobile Manipulators***, CRC Press, 2013
	[3] Zhijun Li, Yuanqing Xia, and Chun-Yi Su, ***Intelligent Networked Teleoperation Control***, Springer, July, 2015
Journal papers	**In Press/Accepted**
	[1] Lujia Ran, Zongjie Hu, Zhijun Li, Lyapunov-Regularized Meta-Learning Adaptive Control for a Vision-Language-Guided Wheeled Humanoid Robot in Power Station Maintenance, ***IEEE Transactions on Automation Science and Engineering***
	[2] Xiaoyu Wu, Chao Cun, Lijun Liu, Haisheng Xia, Zhijun Li, Intelligent Reinforcement Learning and Control for Humanoid Locomotion Using Self-Triggered Adaptive Dynamic Programming, ***IEEE Transactions on Automation Science and Engineering***
	[3] P Zhang, X Li, L Yu, Z Zhang, F Dunkin, H Liu, Z Li, Boosting Learning Efficiency in Few-Shot Tasks with Layer-Adaptive PID Control, ***IEEE Transactions on Pattern Analysis and Machine Intelligence***
	[4] Xiaoyu Su, Lei Wang, Zhaozhong Wang, Le Yang, Mingjie Li, Dazhao Zhu, Zhijun Li, Weizheng Yuan, Honglong Chang & Binglu Wang, Acoustic shape-morphing micromachines, ***Nature Communication***
	[5] Chao Cun, Liangrui Xu, Guoxin Li, Zhijun Li, Yu Kang, Robotic Assistive Optimization and Control Using Neural Dynamics and Adaptive Neural Network, ***IEEE Transactions on Cybernetics***
	[6] Yuwei Yang, Zongjie Hu, Zhijun Li, Vision-Language-Action Model-Based Event-Triggered Admittance Control of a Mobile Manipulator for Power Substation Live-Maintaining, ***IEEE Transactions on Fuzzy Systems***
	[7] Guangjie Yuan, Haoran Gu, Qijun Yu, Ke Shi, Hao Xu, Zikang Min, Yunkai Hu, Shaoguang Lv, Shuo Zhang, Jun Qian, Zhijun Li, Highly Stretchable and Microporous Carbon

Nanotube/Graphene/Thermoplastic Polyurethane Hybrid Film-Based Electronic Skins for Biomimetic Devices and Smart Wearables, *Cell Reports Physical Science*

[8] Zhentong Zhang, Xinde Li, Hongwei Sun, Guoliang Wu, Le Yu, Zhijun Li, CAIS: Fine-Grained Controllable Adversarial Attacks for Instance Segmentation in Unmanned Systems, *IEEE Transactions on Industrial Informatics*

[9] Chao Cun, Liangrui Xu, Guoxin Li, Zhijun Li, Yu Kang, Robotic Assistive Optimization and Control Using Neural Dynamics and Adaptive Neural Networks, *IEEE Transactions on Cybernetics*

[10] Qunting Yang, Wenjun Ye, Xiaoyu Wu, Zhijun Li, Safety and Energy-Aware Impedance Control of a Continuum Robot with Vision-based Manipulation, *IEEE Transactions on Automation Science and Engineering*

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[11] Yuzhu Jiang, Chao Yang, Weida Wang, Zhijun Li, Dongpu Cao, Ying Li, Pedestrian Group Activity Recognition for Autonomous Vehicles and Robots: A Survey and Perspectives, *IEEE Transactions on Cybernetics*, Volume: 56, Issue: 3, March 2026, Page(s): 1515 - 1528

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[12] Jingyi Xu, Weidong Yang, Lingdong Kong, Youquan Liu, Qingyuan Zhou, Rui Zhang, Zhijun Li, Wen-Ming Chen, Ben Fei, Visual Foundation Models Boost Cross-Modal Unsupervised Domain Adaptation for 3D Semantic Segmentation, *IEEE Transactions on Intelligent Transportation Systems*, NOVEMBER 2025, Volume: 26, Issue: 11, Page(s): 20287-20301

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[14] Jing Hou, Guang Chen, Ruiqi Zhang, Zhijun Li, Shangding Gu, Changjun Jiang, Spreeze: High-Throughput Parallel Reinforcement Learning Framework, *IEEE Transactions on Parallel and Distributed Systems*, Volume: 36, Issue: 2, February 2025, pp. Page(s): 282 - 292

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Operator, *IEEE Transactions on Cybernetics, J*UNE 2025, Volume: 55, Issue: 6, Page(s): 2792-2805

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