Professor Qinglai Wei

Department of Engineering Science, Faculty of Innovation Engineering Macau University of Science and Technology

PhD. Supervisor Tel. 1500134392 E-mail qlwei@must.edu.mo

Academic Qualification:

- Ph.D., Control Theory and Control Engineering, 2009, Advisor: Prof. Huaguang
 Zhang
 Northeastern University, Shenyang, Liaoning, China
- M.S., Control Theory and Control Engineering, 2005, Advisor: Prof. Xianwen Gao

Northeastern University, Shenyang, Liaoning, China

B.S., Automation, 2002, Advisor: Baodong Xu Northeastern University, Shenyang, Liaoning, China

Teaching Area

Optimal Control, Intelligent Control, Self-Learning Control

Research Area

Learning Control and Systems, Control Science and Control Engineering, Artificial Intelligence

Working Experience

2020/11 present	Professor
	Macau Institute of Systems Engineering, Macau University of
	Science and Technology
2018/3 present	Associate Director
	The State Key Laboratory of Management and Control for
	Complex Systems, Institute of Automation, Chinese Academy of
	Sciences
2016/10 present	Professor
	The State Key Laboratory of Management and Control for
	Complex Systems, Institute of Automation, Chinese Academy of
	Sciences
2014/1 2014/2	Visiting Scholar



	University of Texas at Arlington, USA. UTA Research Institute.
	Visit Prof. Frank L. Lewis
2012/10 2016/9	Associate Professor
	The State Key Laboratory of Management and Control for
	Complex Systems, Institute of Automation, Chinese Academy of
	Sciences
2011/7 2012/9	Assistant Professor
	The State Key Laboratory of Management and Control for
	Complex Systems, Institute of Automation, Chinese Academy of
	Sciences
2009/2 2011/6	Postdoctoral Fellow
	The State Key Laboratory of Management and Control for
	Complex Systems, Institute of Automation, Chinese Academy of
	Sciences

Research Grants

9/1/2022 12/31/2025: PI, Integrated Modeling and Self-Optimal Control of Incomplete Information for Building and Distributed Energy Systems, Science and Technology Development Fund (FDCT), Macao Funding Scheme for Key R&D Projects, FDCT-22-009-MISE, 2,221,000 MOP 7/1/2020 12/31/2024: PI, Self-Learning Optimization Control of Urban Energy Management System Based on Edge Computing National Key Research and Development Plan "Strategic Science and Technology Innovation Cooperation" Key Special Project, 3,000,000 CNY. 1/1/2021 12/31/2022: Two-Person Zero-Sum Game Theory Based on Virtual-Chinese Academy of Sciences Guidance Sub-Project (A Class), 3,600,000CNY. 1/1/2021 12/31/2024: PI, Multi-Level Self-Learning Collaborative Optimal Control of Smart Coal-Fired Power Generation Systems, National Natural Science Foundation of China (62073321), 590,000 CNY. 12/1/2021 12/31/202 Development of Self-Tuning Software for Power Generation Process Control Parameters Based on Self-Learning Optimization Algorithm North China Electric Power Research Institute Project, 475,000CNY. 7/1/2020 12/1/2020 2020 Summer School on AI and CI Technologies for Industry, Computational Intelligence Society Fund, 5000\$. 1/1/2020 12/31/2024 -Research Project Chinese Academy of Sciences, 5,000,000 CNY. 9/1/17 12/31/17: PI, China Association for Science and Technology Foundation for the International Organization Affairs, 20,000 CNY. 12/1/17 -Based Iterative Adaptive Dynamic programming for Nonlinear ars. 1/1/18The National Science Fund for Outstanding Young Scholars (61722312), 1,300,000 CNY.

1/1/17

International Conference Support Foundation of Chinese Academy of Sciences (Y7S5031F31), 250,000 CNY.

1/1/14 -Driven Self-

National Natural Science Foundation of China (61374105), 800,000 CNY.

1/1/10

National Natural Science Foundation of China (60904037), 190,000 CNY.

1/1/13

Qinglai Wei

3.		
[1]		
[2]		
[3]		
[4] [5]		
[6]		
[7]		
[8]		
[9]		
[10]		
[11]		
[12]		
[13]		
[14]		
[15]		
[16]		

[17]			
[18]			
[19]			
[20]			
[21]			

[35]	(SCI)		
[]		(SCI)	
[36]		vol. 11. no.	4. pp.
[37]	1176 1190, Oct. 2014 (SCI)		., pp.
<u> </u>		(SCI)	
[38]			
[39]		(SCI)	
	(SCI)		
[40]			
[41]	(<mark>SCI</mark>)		
[42]			
[43]			
[44]	96 113, Oct. 2015. (SCI)		
	(SCI)		
[45]		, Nov. 2015 (SCI)	
[46]			
[47]	(SCI)		
	(SCI)	,	
[48]			
[49]	(SCI)		
		(SCI)	
[50]			
[51]	(SCI)		
[[]]	23, no. 7 8, pp. 1851 1863, Dec. 2013. (SCI)		
[52]			(<mark>SCI</mark>)
[33]			
	(<mark>SCI</mark>)		

- [54] **Qinglai** Huaguang
- [55] Qinglai Wei, Huaguang Zhang, and LiLi sum games of 2-682 692, 2009. (EI)
- . (<mark>SCI</mark>)
- -based optimal control for discrete-time zero-ACTA Automatica Sinica, vol.35, no.6, pp.

(**EI**)

- Natural Science Award (First Prize), Chinese Association of Automation (CAA), Ranking 1/4, 2022
- China Association of Invention, Innovation Award First Prize, Ranking 1/6, 2021
- 2020 International Conference on Information, Cybernetics, and Computational Social Systems
- (ICCSS 2020) Zadeh Best Paper Award, Ranking 1/4, 2020
- Clarivate Analytic Global Highly Cited Scholar, 2019
- IEEE/CAA Journal of Automatica Sinica, Best Paper Award, 2019
- Acta Automatica Sinica, Associate Editor Award, 2018
- IEEE/CAA Journal of Automatica Sinica Outstanding Associate Editor Award, 2018
- IEEE System, Man, and Cybernetics Society, Andrew P. Sage Best Transactions Paper Award, 2018
- IEEE Transactions on Neural Network and Learning Systems Outstanding Paper Award, 2018
- Clarivate Analytic Global Highly Cited Scholar, 2018
- Acta Automatica Sinica Outstanding Associate Editor Award, 2018
- IEEE/CAA Journal of Automatica Sinica Outstanding Associate Editor Award, 2018
- Yang Jiachi SreW*hBT/F7 1375 1 92.904 286.49 Tm0 g0 GF2 12 Tf1 0 0 1 133.58 286.49 Tm0 g0 G[(reW*hI

[57]

[56]

Director Awards, 2011 and 2013, The State Key Laboratory of Management and Control for Complex Systems, Institute of Automation, Chinese Academy of Sciences

1) 2022.1 \Leftrightarrow , IEEE Transactions on Intelligent Vehicles, Associate Editor

2)

Qinglai Wei

Learning Neural Networks: Methods, Systems, and Applica

Neurocomputing, Mar. 2018.

23) Neurocomputing, Guest Editor
 Zhigang Zeng, Amir Hussain, and Qinglai Wei

Neurocomputing, Feb. 2014.

24) Neural Computing & Applications, Guest EditorStefano Squartini, Jinhu Lu, and Qinglai Wei

Neural Computing & Applications, Feb.

2013.

Personal Website

https://people.ucas.ac.cn/~weiqinglai