

DONGDONG YUE (BIRTH: 1994-1)

(+86) 131-8293-1727 · yued@njtech.edu.cn; yueseu@gmail.com

Contact Address:

Dongdong Yue
Associate Professor
College of Electrical Engineering and Control Science
Nanjing Tech University
South Puzhu Road 30, Nanjing 211816, China
phone: +86 13182931727



BIOGRAPHY

Dongdong Yue (Member, IEEE) received the B.S. degree in applied mathematics from Hefei University of Technology, Hefei, China, in 2015, and the Ph.D. Degree in control science and engineering from Southeast University, Nanjing, China, in 2021. He held several academic visit projects to Okayama Prefectural University in Japan, Delft University of Technology in the Netherlands, and Hong Kong University of Science and Technology in China. **He is currently an associate professor with the College of Electrical Engineering and Control Science, Nanjing Tech University.** Prior to that, he was a Postdoc with the School of Mathematics, Southeast University and was elected as a **member of 2021 China Postdoctoral Innovation Talent Support Program.**

CAREER EXPERIENCES

Nanjing Tech University , College of EECS, <i>Associate Professor</i>	2024.3 -
Southeast University (SEU) , School of Mathematis, <i>Postdoc</i>	2021.7 - 2024.1

EDUCATION & RESEARCH EXPERIENCES

Hong Kong University of Science and Technology (HKUST) , <i>Visiting Researcher</i>	2023.9 - 2023.12
Host: Prof. Ling Shi	
Southeast University (SEU) , <i>Ph. D.</i> , Control Science and Engineering	2017.3 - 2021.3
Supervisor: Prof. Qi Li, Prof. Jinde Cao	
Delft University of Technology (TUD, The Netherlands) , DCSC, <i>Joint Ph. D.</i>	2019.10 - 2020.10
Supervisor: Prof. Bart De Schutter, Prof. Simone Baldi	
Okayama Prefectural University (OPU, Japan) , <i>Visiting Ph. D.</i>	2019.5 - 2019.8
Host: Prof. Xin Xin	
Southeast University , <i>Master student</i> , Applied Mathematics	2015.9 - 2017.1
Supervisor: Prof. Jinde Cao	
Hefei University of Technology (HFUT) , <i>B. Sc.</i> , Math and Applied Mathematics	2011.9 - 2015.6

SELECTED PUBLICATIONS

Journal papers

- [1]. **Dongdong Yue**, Jiantao Shi, Ling Shi, Paolo Frasca, and Simone Baldi. Model reference adaptive stabilizing control for leader-following consensus. *IEEE Transactions on Automatic Control*, doi: 10.1109/TAC.2025.3562457.
- [2]. **Dongdong Yue**, Jiantao Shi, Gang Wang, and Jinde Cao. Finite-time identification and adaptive consensus control of uncertain parametric systems over directed graphs. *Acta Automatica Sinica*, 51(2): 391-403, 2025. (In Chinese)
- [3]. **Dongdong Yue**, Simone Baldi, Jinde Cao, and Ling Shi, Adaptive exponential consensus with cooperative exponential parameter identification over leaderless directed graphs. *IEEE Transactions on Systems, Man, and Cybernetics: Systems*, 55(3): 2354-2366, 2025.

- [4]. **Dongdong Yue**, Simone Baldi, Jinde Cao, and Bart De Schutter. Model reference adaptive stabilizing control with application to leaderless consensus. *IEEE Transactions on Automatic Control*, 69(3): 2052-2059, 2024.
- [5]. **Dongdong Yue**, Simone Baldi, Jinde Cao, Qi Li, and Bart De Schutter. Distributed adaptive resource allocation: an uncertain saddle-point dynamics viewpoint. *IEEE/CAA Journal of Automatica Sinica*, 10(12): 2209-2221, 2023.
- [6]. **Dongdong Yue**, Simone Baldi, and Jinde Cao. Distributed aperiodic time-triggered and event-triggered consensus: a scalability viewpoint. *IEEE Transactions on Network Science and Engineering*, 10(3): 1512-1524, 2023.
- [7]. **Dongdong Yue**, Simone Baldi, Jinde Cao, and Bart De Schutter. Distributed adaptive optimization with weight-balancing. *IEEE Transactions on Automatic Control*, 67(4): 2068-2075, 2022.
- [8]. **Dongdong Yue**, Simone Baldi, Jinde Cao, Qi Li, and Bart De Schutter. A directed spanning tree adaptive control solution to time-varying formations. *IEEE Transactions on Control of Network Systems*, 8(2): 690-701, 2021.
- [9]. **Dongdong Yue**, Jinde Cao, Qi Li, and Qingshan Liu. Neural-network-based fully distributed adaptive consensus for a class of uncertain multiagent systems. *IEEE Transactions on Neural Networks and Learning Systems*, 32(7): 2965-2977, 2021.
- [10]. **Dongdong Yue**, Qi Li, Kil To Chong, and Jinde Cao. Neural-network-embedded distributed average tracking of agents with matching unknown nonlinearities. *Asian Journal of Control*, 23(6): 2628-2641, 2021.
- [11]. **Dongdong Yue**, Jinde Cao, Qi Li, and Mahmoud Abdel-Aty. Distributed neuro-adaptive formation control for uncertain multi-agent systems: node- and edge-based designs. *IEEE Transactions on Network Science and Engineering*, 7(4): 2656-2666, 2020.
- [12]. **Dongdong Yue**, Jinde Cao, Qi Li, and Xinli Shi. Neuro-adaptive consensus strategy for a class of nonlinear time-delay multi-agent systems with an unmeasurable high-dimensional leader. *IET Control Theory & Applications*, 13(2): 230-238, 2019.

Conference papers

- [1]. **Dongdong Yue**, Simone Baldi, and Jinde Cao. D-MRACO: Decentralized Model Reference Adaptive Controller and Observer. *IFAC-PapersOnLine*, Yokohama, Japan 2023.
- [2]. **Dongdong Yue**, Simone Baldi, and Jinde Cao. Distributed adaptive consensus disturbance rejection: a directed-spanning-tree perspective. *Chinese Control Conference (CCC)*, Hefei, China, 2022.
- [3]. **Dongdong Yue**, Simone Baldi, and Jinde Cao. Robust model reference adaptive consensus with neural networks. *Chinese Control and Decision Conference (CCDC)*, Hefei, China, 2022.
- [4]. **Dongdong Yue**, Simone Baldi, Wenying Xu and Jinde Cao. Distributed adaptive consensus via event-triggered sampling: an edge-based method. *IEEE International Conference on Networking, Sensing and Control (ICNSC)*, Xiamen, China, 2021. (**Best Paper in Theory**)
- [5]. **Dongdong Yue**, Qi Li, Jinde Cao, and Xuegang Tan. Robust neuro-adaptive asymptotic consensus for a class of uncertain multi-agent systems: an edge-based paradigm. *International Joint Conference on Neural Networks (IJCNN)*, Budapest, Hungary, 2019.

PROJECTS

- Natural Science Foundation of Jiangsu Province under Grant BK20240531, 2024.9-2027.8, Model reference adaptive stabilizing control of uncertain heterogeneous network systems, ¥200,000
- Natural Science Foundation of the Higher Education Institutions of Jiangsu Province under Grant 24KJB120006, 2024.7-2026.6, Model reference adaptive stabilizing control with applications to network systems, ¥30,000
- China Postdoctoral Science Foundation under Grant BX2021064, 2021.7-2023.7, Distributed adaptive optimization and economic dispatch, ¥630,000
- Fundamental Research Funds for the Central Universities under Grant 3207012201A4, 2022.7-2023.7, Distributed adaptive optimization and economic dispatch with bound constraints, ¥150,000

AWARDS

- Natural Science Award by Chinese Association of Automation (CAA), Third Prize, Personal ranking 3/4 (2024.12)
- Science and Technology Progress Award by China Instrument and Control Society (CICS), Second Prize, Personal ranking 6/7 (2024.7)
- Outstanding PhD thesis of Class of 2022, SEU (2022.6)
- Best Paper in Theory, ICNSC2021 (2021.12)
- National Government Scholarship for Ph. D. students (2020.12)

- Education Foundation Scholarship, SEU (2019.8)
- National Government Scholarship for Studying Abroad, CSC (2019.5)
- Outstanding graduates of Class 2015, HFUT (2015.7)

INVITED TALKS

School of information and communication engineering, Hainan University, Hainan	2024.10
Talk on Research and Writing	
37th Youth Academic Annual Conference of CAA (YAC 2022), Beijing	2022.11
A directed spanning tree based framework for distributed adaptive control	

EXTRA

- Young Editorial Board Member of Journal of Artificial Intelligence & Control Systems (JAICS) since 2025.4
- Member of IEEE since 2021.9, Member of CAA since 2022.1, Member of CICC since 2022.3.
- Reviewer of journals including Automatica, IEEE TAC, IEEE TCYB, IEEE L-CSS, IEEE TSMC-S, IJSS, etc.
- PC member or reviewer of conferences including ICIST 2023, CAC 2021, IFAC WC 2023, etc.
- Hobbies: basketball, billiard, swimming, piano, guitar, movie.