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AREAS OF EXPERTISE

Positive systems, Switched linear systems, Complex networks, Magnetic bearing system control.

EDUCATION

Apr 2018-Mar 2021	Ph.D. in Information Science, *Nara Institute of Science and Technology*
Sep 2011-July 2013	M.Eng. in Control Engineer, *Northeastern University (China)*
Sep 2007-July 2011	B.Eng. in Automatic Control, *Northeastern University (China)*

WORK EXPERIENCE

Sep 2013-Sep 2016	Control engineer, Dalian Urban Development Co.,Ltd., *(Dalian, China)*
Apr 2021-	Assistant Professor, Ritsumeikan University, Japan.

AWARDS

Sep 2017-Mar 2021	Japanese Government (MEXT) Scholarships
Nov 2019	Overseas Dispatch Program (NAIST)

SHORT TERM VISITS

Jan 2020-Feb 2020	Department of Mechanical Engineering, University of Hong Kong

PUBLICATIONS

Journal Articles

[1] C. Zhao, M. Ogura, and K. Sugimoto, "Stability optimization of positive semi-Markov jump linear systems via convex optimization", *SICE Journal of Control, Measurement, and System Integration, vol. 13, no. 5, pp. 233-239, 2020.*

[2] W. Mei, C. Zhao, M. Ogura, and K. Sugimoto, "Mixed H_2/H_∞ control for Markov jump linear systems with state and mode-observation delays", *IET Control Theory and Applications, vol. 14, no. 15, pp. 2076-2083, 2020.*

[3] C. Zhao, M. Ogura, M. Kishida, and A. Yassine, "Optimal resource allocation for dynamic product development process via convex optimization", *Research in Engineering Design, 2020.*

[4] C. Zhao, K. Sakurama, and M. Ogura, "Optimization of buffer networks via DC programming", *IEEE Transactions on Circuits and Systems II: Express Briefs* (10.1109/TCSII.2022.3212693), 2022.

Conference Proceedings

[1] L. Wang, C. Zhao, W. Cui, "Unmodeled dynamics and data-driven balance control for a class of underactuated mechanical systems," *in Proceedings of the 2013 International Conference on Advanced Mechatronic Systems*, 2013, pp. 594-597.

[2] C. Zhao, M. Ogura, K. Sugimoto, "Finite-time control of discrete-time positive linear system via convex optimization," *SICE Annual Conference, 2020, Chiang Mai, Thailand (Online)*, pp. 1230-1235.

[3] M. Ogura and C. Zhao, "DC programming for optimization of dynamic buffer networks," *The 8th Multi-symposium on Control Systems*, pp. 1D1-25, 2021.

[4] B. Li, S. Ueno, and C. Zhao, "Data-driven iterative learning LQG control of axial-gap 5-DOF self-bearing motor," in *Proceedings of the 2022 International Conference on Advanced Mechatronic Systems*, 2022.

RESEARCH & TEACHING SERVICE

[1] Sep 2018-Apr 2021 Research Assistant.
[2] Sep 2019-Feb 2020 Teaching Assistant.
[3] Apr 2021- Digital Circuit Experiment; C language; Mechanical experiment (control); Mechanical exercises (control);

PROFESSIONAL SERVICE

Journal reviewer: RAIRO - Operations Research; Journal of The Franklin Institute;

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