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AREAS OF EXPERTISE

Positive systems, Switched linear systems, Complex network control, Convex optimization, Deep learning.

EDUCATION

Apr 2018-	Ph.D. candidate in Information Science, *Nara Institute of Science and Technology*
Oct 2017-Mar 2018	Research student, *University of Tokyo*
Sep 2011-July 2013	M.Eng. in Control Engineer, *Northeastern University (China)*
Sep 2007-July 2011	B.Eng. in Automatic Control, *Northeastern University (China)*

AWARDS

Sep 2017	Japanese Government (MEXT) Scholarships
Nov 2019	Overseas Dispatch Program

SHORT TERM VISITS

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

PUBLICATIONS

Journal Articles

[1] C. Zhao, M. Ogura, K. Sugimoto, "Stability optimization of positive semi-Markov jump linear systems via convex optimization", *SICE Journal of Control, Measurement, and System Integration, 2020. Accepted.*

[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, 2020. Accepted.*

[3] C. Zhao, M. Ogura, A. Yassine, K. Sugimoto, "Optimal resource allocation for dynamic product development process via convex optimization," *Submitted for publication*.

[4] C. Zhao, J. Xiao "Deep learning based state estimation of uncertain large-scale complex networks", *Prepared for submission*.

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," *21st IFAC World Congress, 2020, Berlin, Germany*.

PROFESSIONAL SERVICE

Journal reviewer: RAIRO - Operations Research.

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