

Chengyan Zhao

8916-5 Takayama
Graduate School of Information Science
Nara Institute of Science and Technology
Ikoma, Nara 630-0192, Japan

Phone: (+81) 0743-72-5356
Email: zhao.chengyan.za5@is.naist.jp
Homepage: <https://chengyanfox.github.io>
Citizenship: Chinese

AREAS OF EXPERTISE

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

EDUCATION

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

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

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, Submitted for publication*.

RESEARCH & TEACHING SERVICE

- [1] 2018- Research Assistant.
- [2] Sep 2019-Feb 2020 Teaching Assistant (Japanese Culture).

PROFESSIONAL SERVICE

Journal reviewer: RAIRO - Operations Research.

Last updated: June 2, 2020