

# Chengyan Zhao

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## AREAS OF EXPERTISE

Positive system, Switched linear systems, Complex network control.

## 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
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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", Submitted for publication.
- [2] W. Mei, C. Zhao, M. Ogura, and K. Sugimoto, "Mixed  $H_2/H_\infty$  control for Markov jump linear systems with state and mode-observation delays", Submitted for publication.
- [3] C. Zhao, M. Ogura, A. Yassine, K. Sugimoto, "Optimal resource allocation for dynamic product development process via convex optimization", Prepared for submission.
- [4] C. Zhao, M. Ogura, K. Sugimoto, "Log-log convexity of optimal control problem for positive linear systems", 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," Submitted for *21st IFAC World Congress, 2020, Berlin, Germany*.