

Zhe Du

EDUCATION

University of Michigan-Ann Arbor

Ann Arbor, USA

- Doctor of Philosophy, in Electrical & Computer Engineering-Signal Processing **2017.09-Now**
Overall GPA: 4.0/4.0
- Master of Science, in Electrical & Computer Engineering-Signal Processing **2015.09-2017.04**
Overall GPA: 4.0/4.0

Huazhong University of Science & Technology (HUST)

Wuhan, China

- Bachelor of Engineering, in Electrical Engineering and Automation **2010.09-2014.06**
Overall GPA: 3.67/4.0, Junior Year GPA: 3.81/4.0, Senior Year GPA: 3.93/4.0

PUBLICATIONS

- Du, Zhe, Zexiang Liu, Jack Weitze, and Necmiye Ozay. "Sample complexity analysis and self-regularization in identification of over-parameterized ARX models." 2022 61th IEEE Conference on Decision and Control (CDC) (forthcoming). IEEE, 2022.
- Du, Zhe, Laura Balzano, and Necmiye Ozay. "Mode reduction for Markov jump systems." IEEE Open Journal of Control Systems (forthcoming), 2022.
- Du, Zhe, Necmiye Ozay, and Laura Balzano. "Clustering-based mode reduction for Markov jump systems." Learning for Dynamics and Control Conference. PMLR, 2022, pp. 689–701.
- Du, Zhe, Yahya Sattar, Davoud Ataee Tarzanagh, Laura Balzano, Necmiye Ozay, and Samet Oymak. "Data-driven control of Markov jump systems: sample complexity and regret bounds." 2022 American Control Conference (ACC), 2022, pp. 4901-4908.
- Du, Zhe, Yahya Sattar, Davoud Ataee Tarzanagh, Laura Balzano, Samet Oymak, and Necmiye Ozay. "Certainty equivalent quadratic control for Markov jump systems." 2022 American Control Conference (ACC), 2022, pp. 2871-2878.
- Du, Zhe, Yahya Sattar, Davoud Ataee Tarzanagh, Laura Balzano, Necmiye Ozay, and Samet Oymak. "Identification and adaptive control of Markov jump systems: sample complexity and regret bounds." ICML Workshop on Reinforcement Learning Theory, 2021.
- Du, Zhe, Necmiye Ozay, and Laura Balzano. "Mode clustering for Markov jump systems." 2019 IEEE 8th International Workshop on Computational Advances in Multi-Sensor Adaptive Processing (CAMSAP). IEEE, 2019.
- Du, Zhe, Laura Balzano, and Necmiye Ozay. "A robust algorithm for online switched system identification." IFAC-PapersOnLine 51.15 (2018): 293-298.
- Ledva, Gregory S., Zhe Du, Laura Balzano, and Johanna L. Mathieu. "Disaggregating load by type from distribution system measurements in real time." In Energy Markets and Responsive Grids, pp. 413-437. Springer, New York, NY, 2018.

AWARDS

- CAMSAP 2019 Best Student Paper Award (3rd Place) **2019.12**