Kai Wang

CONTACT INFO

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EDUCATION

Norwegian University of Science and Technology Ph.D., Risk-Based Control, Department of Engineering Cybernetics	10/2020 - Present
ShanghaiTech University M.E., Computer Science, School of Information Science and Technology	09/2017 - 08/2020
Xidian University08/2013 - 07/2017B.E., Space Information and Digital Technology, School of Telecommunications Engineering	

RESEARCH INTERESTS

Stochastic Model Predictive Control

Numerical Optimization

Reinforcement Learning

PUBLICATIONS

- K. Wang, Y. Jiang, J. Oravec, M.E. Villanueva, B. Houska. Parallel Explicit Tube Model Predictive Control. In *Proceedings of the IEEE 58th Conference on Decision and Control (CDC)*, Nice, France, December, 2019, pp. 7696-7701.
- J. Su, Y. Zha, K. Wang, M.E. Villanueva, R. Paulen, B. Houska. Interval Superposition Arithmetic for Guaranteed Parameter Estimation. In *Proceedings of the IFAC 12th Symposium on Dynamics* and Control of Process Systems (DYCOPS), Florianopolis, Brazil, April, 2019, *IFAC-PapersOnLine*, Volume 52(1), pp. 574-579.

TEACHING

Teaching Assistant, Numerical Analysis, ShanghaiTech University, Shanghai, Fall 2019

Teaching Assistant, Numerical Analysis, ShanghaiTech University, Shanghai, Fall 2018

Teaching Assistant, Introduction to Control, ShanghaiTech University, Shanghai, Fall 2017

PRESENTATIONS

K. Wang. Parallel Explicit Tube Model Predictive Control. In 58th IEEE Conference on Decision and Control (CDC), Nice, France, December 11-13, 2019.

EXPERIENCE

Visiting Scholar, Institute for Information Engineering, Automation, and Mathematics, Slovak University of Technology in Bratislava, Slovakia, October, 2018

Co-organizer, International Workshop on Advanced Methods for Control and Estimation of Dynamic Systems (AMCEDS 2018), ShanghaiTech University, Shanghai, China, July 23, 2018

REFERENCES

Prof. Sébastien Gros

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Prof. Boris Houska

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