

List of Publications*

Bart De Schutter

March 1, 2025

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1 Books

- [B1] Y. Wang, B. Ning, T. van den Boom, and B. De Schutter, *Optimal Trajectory Planning and Train Scheduling for Urban Rail Transit Systems. Advances in Industrial Control*, Switzerland: Springer, ISBN 978-3-319-30888-3, 180 pp., 2016.
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2 Edited books

- [E1] M. Heemels, B. De Schutter, and M. Lazar (eds.), *Proceedings of the 4th IFAC Conference on Analysis and Design of Hybrid Systems (ADHS 12)*. Eindhoven, The Netherlands: IFAC, ISBN 978-3-902823-00-7, 452 pp., June 2012.

*See <https://pub.bartdeschutter.org/> for the most up-to-date list of my publications.

3 International journal papers (published or accepted)

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- [J2] A. Moradvandi, B. De Schutter, E. Abraham, and R.E.F. Lindeboom, “Model predictive control of purple bacteria in raceway reactors: Handling microbial competition, disturbances, and performance,” *Computers and Chemical Engineering*, vol. 194, p. 108981, Mar. 2025.
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- [J6] J. Xu, Y. Lou, B. De Schutter, and Z. Xiong, “Error-free approximation of explicit linear MPC through lattice piecewise affine expression,” *IEEE Transactions on Automatic Control*, 2025. To appear.
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- [J8] D. Sun, A. Jamshidnejad, and B. De Schutter, “Adaptive parameterized model predictive control based on reinforcement learning: A synthesis framework,” *Engineering Applications of Artificial Intelligence*, vol. 136-B, p. 109009, Oct. 2024.
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