

List of Publications*

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Contents

1 Books	1
2 Edited books	1
3 International journal papers	1
4 National journal papers	11
5 Contributions to books	11
6 International conference papers	14
7 National conference papers	38
8 PhD thesis	39
9 Project reports	40
10 Abstracts	41
11 Lecture notes	44
12 Reviews for Mathematical Reviews	45
13 Technical reports	48
14 Other publications	50

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.
- [B2] L. Buşoniu, R. Babuška, B. De Schutter, and D. Ernst, *Reinforcement Learning and Dynamic Programming Using Function Approximators*. Boca Raton, Florida: CRC Press, ISBN 978-1-4398-2108-4, 270 pp., 2010.
- [B3] Zs. Lendek, T.M. Guerra, R. Babuška, and B. De Schutter, *Stability Analysis and Nonlinear Observer Design Using Takagi-Sugeno Fuzzy Models*. vol. 262 of *Studies in Fuzziness and Soft Computing*, Berlin, Germany: Springer, ISBN 978-3-642-16775-1, 196 pp., 2010.

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, ISBN 978-3-902823-00-7, 452 pp., June 2012.

*See <http://pub.deschutter.info/> for the most up-to-date list of my publications.

3 International journal papers (published or accepted)

- [J1] S. Yuan, B. De Schutter, and S. Baldi, “Robust adaptive tracking control of uncertain slowly switched linear systems,” *Nonlinear Analysis: Hybrid Systems*, vol. 27, pp. 1–12, Feb. 2018.
- [J2] Z. Su, A. Jamshidi, A. Núñez, S. Baldi, and B. De Schutter, “Multi-level condition-based maintenance planning for railway infrastructures – a scenario-based chance-constrained approach,” *Transportation Research Part C*, vol. 84, pp. 92–123, Nov. 2017.
- [J3] S.S. Farahani, T.J.J. van den Boom, and B. De Schutter, “On optimization of stochastic max-min-plus-scaling systems – An approximation approach,” *Automatica*, vol. 83, pp. 20–27, Sept. 2017.
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- [J7] C. Pasquale, S. Sacone, S. Siri, and B. De Schutter, “A multi-class model-based control scheme for reducing congestion and emissions in freeway networks by combining ramp metering and route guidance,” *Transportation Research Part C*, vol. 80, pp. 348–408, July 2017.
- [J8] N. Groot, G. Zaccour, and B. De Schutter, “Hierarchical game theory for system-optimal control: Applications of reverse Stackelberg games in regulating marketing channels and traffic routing,” *IEEE Control Systems Magazine*, vol. 37, no. 2, pp. 129–162, Apr. 2017.
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- [J12] Z. Zhou, B. De Schutter, S. Lin, and Y. Xi, “Two-level hierarchical model-based predictive control for large-scale urban traffic network,” *IEEE Transactions on Control Systems Technology*, vol. 25, no. 2, pp. 496–508, Mar. 2017.
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