

# List of Publications\*

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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.
- [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.

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

### 3 International journal papers (published or accepted)

- [J1] M. Burger, Z. Su, and B. De Schutter, “A node current-based 2-index formulation for the fixed-destination multi-depot travelling salesman problem,” *European Journal of Operational Research*, vol. 265, no. 2, pp. 463–477, Mar. 2018.
- [J2] 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.
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- [J9] 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.
- [J10] L. Li, R.R. Negenborn, and B. De Schutter, “Distributed model predictive control for cooperative synchromodal freight transport,” *Transportation Research Part E: Logistics and Transportation Review*, vol. 105, pp. 240–260, Sept. 2017.
- [J11] F. Ruelens, B.J. Claessens, S. Vandael, B. De Schutter, R. Babuška, and R. Belmans, “Residential demand response of thermostatically controlled loads using batch reinforcement learning,” *IEEE Transactions on Smart Grid*, vol. 8, no. 5, pp. 2149–2159, Sept. 2017.
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- [J15] 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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