

PUBLICATIONS of STÉPHANE LAFORTUNE
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Books

- B3 C. G. Cassandras and S. Lafortune, *Introduction to Discrete Event Systems - Second Edition*, Springer, 2008. ISBN 978-0-387-33332-8. (771+xxiii pages)
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- B1 C. G. Cassandras and S. Lafortune, *Introduction to Discrete Event Systems*, Kluwer Academic Publishers, 1999. ISBN 0-7923-8609-4. (823+xxii pages)

Articles in refereed publications (journals or transactions)

- J111 A. Giua, S. Lafortune, and C. Seatzu, "Divergence properties of labeled Petri nets and their relevance for diagnosability analysis." *IEEE Transactions on Automatic Control*. In print.
- J110 S. Mohajerani, Y. Ji, and S. Lafortune, "Compositional and Abstraction-Based Approach for Synthesis of Edit Functions for Opacity Enforcement." *IEEE Transactions on Automatic Control*. In print.
- J109 B.C. Rawlings, V. Avadiappan, S. Lafortune, C.T. Maravelias, J.M. Wassick, "Incorporating Automation Logic in Online Chemical Production Scheduling," *Computers and Chemical Engineering*. In print.
- J108 S. Mohajerani and S. Lafortune, "Transforming opacity verification to nonblocking verification in modular systems," *IEEE Transactions on Automatic Control*. Vol. 65, No. 4, April 2020, pp. 1739-1746.
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- O26 V. Avadiappan, B.C. Rawlings, C.T. Maravelias, S. Lafortune, J.M. Wassick, W. Edsall, A. Kelloway, B. Lin, N.N. Nandola, and M. Hakenberg, “Integration of Automation Logic and Scheduling for Real-time Batch Chemical Plant Optimization,” *Annual Meeting of the American Institute of Chemical Engineers*, October 2018.
- O25 S. Lafortune, K. Rudie, and S. Tripakis, “Thirty Years of the Ramadge-Wonham Theory of Supervisory Control: A Retrospective and Future Perspectives [Conference Reports],” *IEEE Control Systems*, Vol. 38, No. 4, August 2018, pp. 111-112.
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- O23 K. Chatterjee, S. Lafortune, N. Markey, and W. Thomas, Eds., “Non-Zero-Sum Games and Control (Dagstuhl Seminar 15061),” *Dagstuhl Reports*, Vol. 15, No. 2, Schloss Dagstuhl–Leibniz-Zentrum fuer Informatik, Dagstuhl, Germany, 2015.
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- O19 S. Lafortune, “Diagnostic des Systèmes à Événements Discrets – L’approche “Diagnosticqueur”: Passé, Présent, Futur.” Invited plenary lecture presented at the international workshop *Modélisation des Systèmes Réactifs* – MSR 2007, October 17-19, Lyon, France.

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- O13 T.-S. Yoo and S. Lafortune, "Decentralized Supervisory Control with Conditional Decisions." Invited presentation at the *Second Canada-USA (CANUSA) Workshop on Discrete Event Systems*, held in Kingston, Canada, June 13-14, 2002.
- O12 T.-S. Yoo and S. Lafortune, "Centralized and Decentralized Control of Partially-Observed Discrete-Event Systems: The State of the Art and Some New Results." Invited lecture presented at the *ARO Workshop 2000 on Intelligent Systems*, sponsored by the Army Research Office, 8-9 December 2000, The Australian National University, Canberra, Australia.
- O11 S. Lafortune and M. Sampath, "A Discrete Event Systems Approach to Failure Diagnosis: Theory & Applications." Invited plenary lecture presented at *DX-00: International Workshop on Principles of Diagnosis*, Morelia, Mexico, June 8-10, 2000.
- O10 I. Porche and S. Lafortune, "Why Adaptive Signal Control is Critical in an ATIS Environment." *CORS/INFORMS Spring 1998 Conference*, April 26-29, Montréal, Canada. (Abstract in Final Program.)
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