

# EITAN ALTMAN: LIST OF PUBLICATIONS

## MONOGRAPHS

- [1.a1] E. Altman, *Constrained Markov Decision Processes*, Chapman and Hall/CRC, 1999.
- [1.a2] E. Altman, A. Ferreira, J. Galtier, *Satellite telecommunication networks* (in French), Dunod, Nov., 1999.
- [1.a3] E. Altman, B. Gaujal, A. Hordijk, *Discrete-event control of stochastic networks: Multimodularity and Regularity*, Springer-Verlag, Series: Lecture Notes in Mathematics 2003, XIV, 313 p., Softcover ISBN: 3-540-20358-3. s
- [1.a4] Eitan Altman, and Tania Jimenez, *NS simulator for beginners*, Morgan and Claypool, publishers, ISBN: 9781608456925, 2011.

## EDITED VOLUMES AND SPECIAL ISSUES OF JOURNALS

- [1b.1] *Advances in Dynamic Games* (Annals of the International Society of Dynamic Games), E. Altman and O. Pourtallier Edts., Birkhäuser, 2001.
- [1b.2] *Networks and Spatial Economics* Special Issue: Special Issue on Crossovers Between Transportation and Telecommunication Modeling, Vol 4, Issue 1, March 2004. E. Altman and L. Wynter Edts.
- [1.b3] *Performance Evaluation* Special Issue: Selected Papers from the First Workshop on Modelling and Optimization in Mobile, Ad Hoc and Wireless Networks (WiOpt 2003). Vol 57, Issue 4, Aug. 2004.
- [1.b4] Co-Edited part 1 (Jan. 2005) and part 2 (March 2005) of *IEEE Journal on Selected Areas in Communications: Special Issue on Wireless Ad Hoc Networks*.
- [1.b5] Co-Edited special issue of *Journal of Discrete Event Dynamic Systems* devoted to selected papers of the first International Conference on Performance Evaluation Methodologies and Tools (Valuetools, Pisa, 2006) Editors: E. Altman, B. Gaujal and J. Mairesse. 2008.
- [1.b6] Co-editor of *Probability in the Engineering and Informational Sciences*, Volume 22, Issue 04, October 2008. Editors: Eitan Altman, Iddo Eliazar and Hanoch Levy.
- [1.b7] Abderrahim Benslimane, Chadi Assi, Eitan Altman and Hsiao-Hwa Chen, Guest Editorial: Special Issue SM 85-Wireless and Mobile Computing, Networking and Communications, *Journal Mobile Networks and Applications*

SpringerLink Date Friday, January 22, 2010

- [1.b8] Co-editor of the Special Issue of Computer Networks on "New Network Paradigms", Vol. 54 Issue 6, 29 April 2010
- [1.b9] Co-editor of the Special Issue of Computer Networks on "Future Wireless Internet", available online in Science Direct since October 2010.

## (2) PAPERS IN REFEREED JOURNALS

- [2.1] E. Altman and A. Shwartz, "Optimal priority assignment: a time sharing approach", *IEEE - Transactions on Automatic Control* **34** No. 10, pp. 1098-1102, 1989.
- [2.2] E. Altman and A. Shwartz, "Markov decision problems and state-action frequencies", *SIAM J. Control and Optimization*, **29**, No. 4, pp. 786-809, 1991.
- [2.3] E. Altman and A. Shwartz, "Adaptive Control of constrained Markov chains", *IEEE Trans. Auto. Control.* **36** No. 4, pp. 454-462, 1991.
- [2.4] E. Altman and A. Shwartz, "Adaptive Control of constrained Markov chains: Criteria and Policies", *Annals of Operations Research* **28**, special issue on "Markov Decision Processes", Eds. O. Hernandez-Lerma and J. B. Lasserre, pp. 101-134, 1991.
- [2.5] E. Altman and A. Shwartz, "Sensitivity of constrained Markov Decision Problems", *Annals of Operations Research*, **32** pp. 1-22, 1991.
- [2.6] A. Khamisy, E. Altman and M. Sidi, "Polling Systems with Synchronization Constraints", *Annals of Operations Research* **35**, special issue on Stochastic Modeling of Telecommunication Systems, Eds. P. Nain and K. W. Ross, pp. 231-267, 1992.
- [2.7] E. Altman, A. Khamisy and U. Yechiali, "On Elevator Polling with Globally Gated Regime", *Queueing Systems* **11**, (special issue on "Polling Models", Eds. H. Takagi and O. Boxma), pp. 85-90, 1992.
- [2.8] E. Altman, P. Konstantopoulos, Z. Liu, "Stability, Monotonicity and Invariant Quantities in General Polling Systems", *Queueing Systems* **11**, (special issue on "Polling Models", Eds. H. Takagi and O. Boxma), pp. 35-57, 1992.
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[2.11] E. Altman and P. Nain, "Optimal Control of an M/G/1 Queue with Vacations", *IEEE-AC*, **38**, No. 12, pp. 1766-1775, 1993.

[2.12] E. Altman and V. A. Gaitsgory, "Control of a hybrid Stochastic System", *Systems and Control Letters* **20**, pp. 307-314, 1993.

[2.13] E. Altman, "Asymptotic Properties of Constrained Markov Decision Processes", *ZOR - Methods and Models in Operations Research*, **37**, Issue 2, pp. 151-170, 1993.

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