

Publications

of

Francesca Maggioni

Articles in International Journals with Peer-Review Process Indexed in Scopus and/or Web of Science

- [1] Maggioni, F. & Ricca, R.L. (2006) Writhing and coiling of closed filaments. *Proceedings of the Royal Society A: Mathematical, Physical and Engineering Sciences*, **462**, 3151–3166, ISSN: 1471-2946, doi: 10.1098/rspa.2006.1719.
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Book Chapters

- [36] Maggioni, F., Bertocchi, M., Allevi, E., Potra, F.A. & Wallace, S.W. (2013) Stochastic second-order cone programming in mobile ad-hoc networks: sensitivity to input parameters. In *Stochastic Programming, Applications in Finance, Energy and Logistics* (H.I. Gassmann, S.W. Wallace, W.T. Ziemba eds), World Scientific, ISBN: 978-981-4407-50-2, chapter 17, 467–486.
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- [47] Cavagnini, R., Bertazzi, L. & Maggioni, F. (2018) A two-stage stochastic model for distribution logistics with transshipment and backordering: stochastic versus deterministic solutions. (P. Daniele and L. Scrimali eds) *New Trends in Emerging Complex Real Life Problems*, AIRO Springer Series 1, **1**, 131–140, doi: 10.1007/978-3-030-00473-6-15.

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- [48] Bertocchi, M., Maggioni, F., Innorta, M., Vespucci, M.T., Allevi, E., Gambarini, S. & Nicolini, S. (2008) La vendita al dettaglio del gas nel mercato liberalizzato: un modello di ottimizzazione stocastica. *Matematica e Impresa*, **1**, 16.
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Ph.D. Thesis

- [57] Maggioni, F. (2006) Kinematics of elastic filaments and magnetic relaxation of flux tubes. *Ph.D. Thesis*, University of Milano-Bicocca.

Papers Under Evaluation in International Journals with Peer-Review Process

- [58] Crainic, G.T., Hewitt, M., Maggioni, F. & Rei, W. Partial Benders decomposition: general methodology and application to stochastic network design.
Status: under review in *Transportation Science*.
- [59] Cavagnini, R. Hewitt, M. & Maggioni, F. Task assignment models considering stochastic learning and forgetting rates.
Status: under review in *International Journal of Production Economics*.

Work in Progress

- [60] Peng, S., Lisser A. & Maggioni, F. Bounds for probabilistic constrained problems. http://www.optimization-online.org/DB_HTML/2018/10/6884.html.
- [61] Cavagnini, R., Bertazzi, L. & Maggioni, F. & Hewitt, M., A two-stage stochastic optimization model for the Bike sharing allocation and rebalancing problem.
- [62] Bertazzi, L., Maggioni, F., Meisel, S. & Powell, WB. Analysis of policies in an energy storage problem with stochastic loads.
- [63] Maggioni, F. & Cavagnini, R. Optimization driven monotonic bounds for stochastic programs.
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- [65] Filippi, C. Maggioni, F. & Speranza, M.G. Stochastic shortest path: a review and open problems.

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- [67] Faccini, D., Maggioni, F. & Potra, F. Robust optimization models for machine learning with application to breast cancer detection.
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- [71] Cavagnini, R., Bertazzi, L. & Maggioni, F. Effectiveness of the Rolling horizon approach in a multi-stage stochastic fixed-charge transportation problem with transshipment and backordering.

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