

Publications of Francesca Maggioni

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

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- [36] Cavagnini, R., Hewitt, M. & Maggioni, F. (2020) Workforce production planning under uncertain learning rates *International Journal of Production Economics*, Article number 107590.
- [37] Consigli, G., Dentcheva, D. & Maggioni, F. (2020) Preface: Stochastic optimization: theory and applications: Special issue in memory of Marida Bertocchi, *Annals of Operations Research*, <https://doi.org/10.1007/s10479-020-03672-y>
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- [39] 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.
- [40] Ricca, R.L. & Maggioni, F. (2018) Groundstate energy spectra of knots and links: magnetic versus bending energy. In *New Directions in Geometric and Applied Knot Theory*, (S. Blatt, P. Reiter and A. Schikorra eds), *OM Measure Theory*, De Gruyter, Basel ISBN: 9783110571486, 276–288.
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- [42] Maggioni, F. & Ricca, R.L. (2006) Twist and fold modelling of supercoiled filaments. *Proc. 5th Int. Conf. Aplimat 2006 Bratislava*, Slovakia, Part II, 123–130, ISBN: 809673055X; 978-809673055-1.
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- [50] 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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- [51] Bertocchi, M., Maggioni, F., Innorta, M., Vespucchi, 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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- [53] Allevi, E. & Maggioni, F. (2010) chapter 2: Proprietà base e teoria della programmazione stocastica lineare and chapter 3 Il metodo L-Shaped. In *Programmazione stocastica e applicazioni* by J. Abaffy, E. Allevi, M. Bertocchi, V. Moriggia, Apogeo, Milano ISBN: 978-88-7534-044-5.
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Ph.D. Thesis

- [60] 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

- [61] Maggioni, F., Dabbene, & Pflug, G. On the sample complexity of multistage robust convex optimization problems. (A previous version of the manuscript is available at <https://arxiv.org/abs/1611.00980>).
Status: under review in *SIAM Journal on Optimization*.
- [62] Deilami Moezi, S., Bertazzi, L. & Maggioni, F. The Value of Integration of Full Container Load and Less than Container Load Shipments in Vendor-Managed Inventory Systems.
Status: under review in *International Journal of Production Economics*.
- [63] Peng, S., Lisser A. & Maggioni, F. Bounds for probabilistic constrained problems. http://www.optimization-online.org/DB_HTML/2018/10/6884.html.
Status: under review in *EJOR*.

- [64] Lauria, D., Consigli, G. & Maggioni, F. Optimal chance-constrained pension fund management through dynamic stochastic control.
Status: under review in *OR Spectrum*.
- [65] Cavagnini, R., Bertazzi, L. & Maggioni, F. A rolling horizon approach for a multi-stage stochastic fixed-charge transportation problem with transshipment.
Status: under review in *EJOR*.
- [66] Faccini, D., Maggioni, F. & Potra, F. Robust and Distributionally Robust Optimization Models for Support Vector Machine with Application to Breast Cancer and Heart Disease Recognition.
Status: under review.
- [67] Bomze, I., Gabl, M., Maggioni, F. & Pflug, G. Two-stage stochastic standard quadratic optimization.
Status: under review in *EJOR*.

Work in Progress

- [68] Cavagnini, R., Bertazzi, L. & Maggioni, F. & Hewitt, M., A two-stage stochastic optimization model for the Bike sharing allocation and rebalancing problem.
- [69] Bertazzi, L., Maggioni, F., Meisel, S. & Powell, WB. Analysis of policies in an energy storage problem with stochastic loads.
- [70] Maggioni, F. & Cavagnini, R. Optimization driven monotonic bounds for stochastic programs.
- [71] Filippi, C. Maggioni, F. & Speranza, M.G. Stochastic shortest path: a review and open problems.
- [72] Cavagnini, R. Crainic, T., Maggioni, F. & Rei, W. The multi-commodity two-echelon vehicle routing problem with time windows and stochastic travel times.
- [73] Dentcheva, D. & Maggioni, F. Optimal Scenario Tree Reduction via Stochastic Dominance.
- [74] Bayraksan, G., Maggioni, F., Faccini, D. & Yang, A. Bounds for Multistage Mixed-Integer Distributionally Robust Optimization.