

Giovanni Pantuso
Associate Professor
Department of Mathematical Sciences
Postal address:
Universitetsparken 5, 2100 København Ø, 04 Matematik E
04-3-22B
Email: gp@math.ku.dk
Phone: +4535335608
Web: <https://pantuso.sites.ku.dk/>

Qualifications

Operations Research, PhD, Norwegian University of Science and Technology
Award Date: 5 Feb 2014

Employment

Associate Professor

Department of Mathematical Sciences
København Ø, Denmark
1 Sep 2015 → nu

Researcher

Polytechnic University of Milan
Milano, Italy
1 Apr 2017 → 30 Sep 2017

Postdoc

Københavns Universitet
København K, Denmark
1 Sep 2015 → 31 Mar 2017

Postdoc

Technical University of Denmark
Kongens Lyngby, Denmark
1 Feb 2014 → 31 Aug 2015

PhD student

Norwegian University of Science and Technology
Trondheim, Norway
15 Oct 2010 → 31 Dec 2013

Research outputs

Joint relocation and pricing in electric car-sharing systems

Eilertsen, U., Falck-pedersen, O. M., Henriksen, J. V., Fagerholt, K. & Pantuso, Giovanni, 2024, In: European Journal of Operational Research. 315, 2, p. 553-566

Adaptive Large Neighborhood Search for Order Dispatching and Vacant Vehicle Rebalancing in First-Mile Ride-Sharing Services

Ye, J., Pantuso, Giovanni & Pisinger, D., 2023, Social Science Research Network (SSRN), 16 p.

Trading off costs and service rates in a first-mile ride-sharing service

Zheng, M. & Pantuso, Giovanni, 2023, In: Transportation Research Part C: Emerging Technologies. 150, 23 p., 104099.

Exact solutions to a carsharing pricing and relocation problem under uncertainty

Pantuso, Giovanni, 2022, In: Computers and Operations Research. 144, p. 1-23 105802.

Fleet Size Control in First-Mile Ride-Sharing Problems

Ye, J., Pantuso, Giovanni & Pisinger, D., 2022, *Computational Logistics : 13th International Conference, ICCL 2022, Proceedings*. de Armas, J., Ramalhinho, H. & Voß, S. (eds.). Springer, p. 91-104 14 p. (Lecture Notes in Computer Science, Vol. 13557 LNCS).

Planning a maritime supply chain for liquefied natural gas under uncertainty

Eriksen, U., Kristiansen, J., Fagerholt, K. & Pantuso, Giovanni, 2022, In: Maritime Transport Research. 3, 14 p., 100061.

Maximizing performance with an eye on the finances: a chance-constrained model for football transfer market decisions

Pantuso, Giovanni & Hvattum, L. M., Jan 2021, In: TOP. 29, p. 583-611

A node formulation for multistage stochastic programs with endogenous uncertainty

Pantuso, Giovanni, 2021, In: Computational Management Science. 18, 3, p. 325 - 354

The Dynamic Electric Carsharing Relocation Problem

Hellem, S., Julsvoll, C. A., Moan, M., Andersson, H., Fagerholt, K. & Pantuso, Giovanni, 2021, In: EURO Journal on Transportation and Logistics. 10, 32 p., 100055.

Formulations of a Carsharing Pricing and Relocation Problem

Pantuso, Giovanni, 2020, *Computational Logistics - 11th International Conference, ICCL 2020, Proceedings*. Lalla-Ruiz, E., Mes, M. & Voß, S. (eds.). Springer, p. 295-310 (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), Vol. 12433 LNCS).

Optimal charging and repositioning of electric vehicles in a free-floating carsharing system

Folkestad, C. A., Hansen, N., Fagerholt, K., Andersson, H. & Pantuso, Giovanni, 2020, In: Computers and Operations Research. 113, 18 p., 104771.

Risk control in maritime shipping investments

Skålnes, J., Fagerholt, K., Pantuso, Giovanni & Wang, X., 2020, In: Omega (United Kingdom). 15 p.

Optimizing vessel fleet size and mix to support maintenance operations at offshore wind farms

Stålhane, M., Halvorsen-Weare, E. E., Nonås, L. M. & Pantuso, Giovanni, 1 Jan 2019, In: European Journal of Operational Research. 276, 2, p. 495-509

A comparison of scenario generation methods for the participation of electric vehicles in electricity markets

Jensen, I. G., Møller, N. F., Pantuso, Giovanni & Juul, N., 2019, In: International Transactions on Electrical Energy Systems. 29, 4, 11 p., e2782.

Generalized Partial Benders Decomposition of Two Stage Stochastic Programs

Pantuso, Giovanni, 2019, 28 p.

On the number of stages in multistage stochastic programs

Pantuso, Giovanni & Boomsma, Trine Krogh, 2019, In: Annals of Operations Research. 292, 2, 23 p.

Pricing car-sharing services in multi-modal transportation systems: An analysis of the cases of Copenhagen and Milan

Hansen, R. G. & Pantuso, Giovanni, 1 Jan 2018, *Computational Logistics - 9th International Conference, ICCL 2018, Proceedings*. Cerulli, R., Raiconi, A. & Voß, S. (eds.). Springer, p. 344-359 16 p. (Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics), Vol. 11184 LNCS).

The Football Team Composition Problem: A Stochastic Programming approach

Pantuso, Giovanni, 26 Sep 2017, In: Journal of Quantitative Analysis in Sports. 13, 3, p. 113-129 17 p.

Maximizing the rate of return on the capital employed in shipping capacity renewal

Mørch, O., Fagerholt, K., Pantuso, Giovanni & Rakke, J., Mar 2017, In: Omega: The International Journal of Management Science. 67, p. 42-53

Which uncertainty is important in multistage stochastic programmes? A case from maritime transportation

Pantuso, Giovanni, Fagerholt, K. & Wallace, S. W., 2017, In: IMA Journal of Management Mathematics. 28, 1, p. 5-17 13 p.

Uncertainty in Fleet Renewal: A Case from Maritime Transportation

Pantuso, Giovanni, Fagerholt, K. & Wallace, S. W., May 2016, In: Transportation Science. 50, 2, p. 390-407

Solving Hierarchical Stochastic Programs: Application to the Maritime Fleet Renewal Problem

Pantuso, Giovanni, Fagerholt, K. & Wallace, S. W., Jan 2015, In: I N F O R M S Journal on Computing. 27, 1, p. 89-102

Strategies for Charging Electric Vehicles in the Electricity Market

Juul, N., Pantuso, Giovanni, Iversen, J. E. B. & Boomsma, Trine Krogh, 2015, In: International Journal of Sustainable Energy Planning and Management. 7, p. 71-78

A survey on maritime fleet size and mix problems

Pantuso, Giovanni, Fagerholt, K. & Hvattum, L. M., 1 Jun 2014, In: European Journal of Operational Research. 235, 2, p. 341-349 9 p.