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## 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

### Order dispatching and vacant vehicles rebalancing for the first-mile ride-sharing problem

Ye, J., Pantuso, Giovanni & Pisinger, D., 2024, In: EURO Journal on Transportation and Logistics. 13, 19 p., 100132.

### 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.