



Ondrej Osicka

updated 30.01.2021

Assistant Professor at **NHH Norwegian School of Economics**

Dept. of Business and Management Science

Centre for Shipping and Logistics

Contact

ondrej.osicka@nhh.no

Research Interests

- city logistics
- collaborative logistics
- transportation
- supply chain management
- operations research
- game theory
- mathematical programming

Skills

technical

- Python
- Matlab
- AMPL
- GAMS
- Stata
- Excel VBA
- HTML
- LaTeX
- mathematical programming solvers (CPLEX, Gurobi, ...)

languages

- English (fluent)
- Czech (native)
- Norwegian (intermediate)
- German (basic)

References

References upon request.

Experience

Assistant Professor **Nov 2020 - present**

- NHH Norwegian School of Economics, Department of Business and Management Science

PhD Research Scholar **Aug 2016 - Oct 2020**

- NHH Norwegian School of Economics, Department of Business and Management Science

Visiting Researcher **Sep 2018**

- Université Laval, FORAC Research Consortium

Research Assistant **May 2015 - Aug 2015**

- Brno University of Technology, NETME Centre

Education

PhD in Business and Management Science **2016 - 2020**

- NHH Norwegian School of Economics, Department of Business and Management Science
- thesis: Topics in cooperative game theory and logistics; supervised by Mario Guajardo and Stein W. Wallace

Ing. (MSc. equivalent) in Mathematical Engineering **2014 - 2016**

- Brno University of Technology, Faculty of Mechanical Engineering
- thesis: Game theory in waste management; supervised by Jaroslav Hrdina

Exchange Student **autumn 2015**

- Molde University College
- Operation Management

Bc. (BSc. equivalent) in Mathematical Engineering **2011 - 2014**

- Brno University of Technology, Faculty of Mechanical Engineering
- thesis: Teorie her na grafech [Game theory on graphs]; supervised by Jaroslav Hrdina

Refereed Publications

(available for download at www.ondrejosicka.com)

Osicka, O., Guajardo, M., van Oost, T. (2020). **Cooperative game-theoretic features of cost sharing in location-routing.** *International Transactions in Operational Research*, 27(4), 2157–2183.

Osicka, O., Guajardo, M., Jörnsten, K. (2020). **Cooperation of customers in traveling salesman problems with profits.** *Optimization Letters*, 14, 1219–1233.

Osička, O., Hrdina, J., Šomplák, R., Popela, P., Pavlas, M. (2016). **Shapley value approximation for games with distant players.** *Mendel*, 2016, 103–108.

Nevrlý, V., Šomplák, R., Popela, P., Pavlas, M., Osička, O., Kůdela, J. (2016). **Heuristic challenges for spatially distributed waste production identification problems.** *Mendel*, 2016, 109–116.

Working Papers / Work in Progress

Fair travel distances in tournament schedules: A cooperative game theory approach

- with Guajardo, M.

Player-centered approach to coalition formation in TU games with uncertain payoffs

Conference Talks *(slides available for download at www.ondrejosicka.com)*

Cooperation of customers in traveling salesman problems with profits Jul 2019

- 7th INFORMS Transportation Science and Logistics Society Workshop, Vienna, Austria

Cooperation of customers in traveling salesman problems with profits May 2019

- 1st EUROYoung Workshop, Seville, Spain

Cooperation of customers in traveling salesman problems with profits Jan 2019

- 16th CEMS Research Seminar on Supply Chain Management, Riezlern, Austria
- **Best PhD Student Presentation Award**

Collaborative location-routing Jun 2018

- 7th International Workshop on Freight Transportation and Logistics Odysseus, Cagliari, Italy

Cost allocation in collaborative transportation with overlapping coalitions Jul 2017

- 21st Conference of the International Federation of Operational Research Societies IFORS, Québec City, Canada

Cost allocation and coalition formation in collaborative logistics Jan 2017

- 14th CEMS Research Seminar on Supply Chain Management, Riezlern, Austria

Shapley value approximation for games with distant players Jun 2016

- 22nd International Conference on Soft Computing MENDEL, Brno, Czechia

Teaching Assistantship

BUS403 Supply Chain Management 2020

- master's programme, NHH Norwegian School of Economics; course responsables: Mario Guajardo, Yewen Gu
- assessment of assignments

BAN402 Decision Modelling in Business 2016 - 2019

- master's programme, NHH Norwegian School of Economics; course responsible: Mario Guajardo
- leading problem sessions (formulating optimization models and their implementation in MS Excel and AMPL) and assessment of assignments

BUS444 Økonometri for regnskap og økonomisk styring [Econometrics for Business Research] 2017 - 2019

- master's programme, NHH Norwegian School of Economics; course responsible: Arnt Ove Hopland
- leading paper discussions and problem sessions (implementation of regression models in Stata)

Pedagogical Training

Teaching Mentor Programme 2020 - 2021

- NHH Norwegian School of Economics

Basic Course in Pedagogy 2018

- NHH Norwegian School of Economics
- topics related to students' learning and styles of teaching

Service

member of the board of the Department of Business and Management Science since 2019

referee in International Transactions in Operational Research, Transportation Science since 2019