

AMIR BRUDNER

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The Hebrew University of Jerusalem
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Curriculum Vitae

Research Interests

Urban transport policy, Operations Research, Game Theory, Big Data, Machine Learning.

Academic Education

PhD Candidate, Operations Research, School of Business Administration, The Hebrew University of Jerusalem.

Topic: Evaluating transportation markets through game theory.

Advisor: Professor Nicole Adler.

Master Thesis, Industrial Engineering, Ben Gurion University, 2016.

Topic of Masters Thesis: Investing in research and teaching facilities in an academic institute - an optimal control and differential game model.

Advisor: Professor Arie Gavious.

M.B.A., Business Administration, The Hebrew University of Jerusalem, *magna cum laude*, 2009.

Finance and Accounting.

B.Sc., Industrial Engineering, The Jerusalem college of Engineering, *summa cum laude*, 2006.

Information System.

Academic Employment

2016-Present Lecturer,
School of Business Administration, The Hebrew University of Jerusalem.
Courses: Operations Management, Quantitative Models.

2011–2017 Lecturer,
Department of Industrial Engineering, The Jerusalem College of Engineering.
Courses: Methods Engineering, Control and Quality Assurance.

2008–Present Teaching Assistant,
 Department of Industrial Engineering, The Jerusalem College of Engineering.
 Courses: Information Systems Analysis and Planning ,Statistics, Operations Research 1 and 2, Engineering Optimization, Database Management, Internet Developing, Control and Quality Assurance, Intro to Industrial Engineering Management.
Award for Excellence in Teaching (2020,2021).

Academic Activities

2011–2017 Academic Supervisor for Final Projects,
 Department of Industrial Engineering, The Jerusalem College of Engineering.
 Supervises project in Operations Research and Information Systems.

Grants and Awards

PhD The Hebrew University of Jerusalem
University President’s Full Scholarship of Distinction

Masters The Hebrew University of Jerusalem School of Business Administration,
Dean’s List Award.
 Graduated *magna cum laude*, with a GPA of 94.96.

Undergraduate The Jerusalem college of Engineering Department of Industrial Engineering,
Dean’s List Award in all years. **Academic Excellence Scholarship** in all years.
 Graduated *summa cum laude*, 1st in class year with a GPA of 95.15.

List of Publications

Adler, N., Brudner, A. and Proost, S., 2021. A review of transport market modeling using game-theoretic principles. *European Journal of Operational Research*, 291(3), pp.808-829.

Selected Conference Papers and Invited Presentations

2021 "Adler, Nicole and Brudner, Amir: Creating equitable transport markets with AVs".
 Presented at the Operations Research Society of Israel (ORSIS) annual meeting,
 Technion, Haifa, Israel (August 2021).

2019 "Brudner, Amir; Gallotti, Riccardo; Privitera, Filippo; J. Ramasco, Jose and Adler,
 Nicole: Big data and platform competition: The case of a multi-airport system".
 Presented at the Annual School and Conference of the International Transportation
 Economics Association (ITEA), Paris School of Economics and at the 30th Euro-
 pean Conference on Operational Research (EURO), Dublin, Ireland (June 2019).

2018 "Adler, Nicole and Brudner, Amir: Estimating High Speed Rail and Airport Catchment Areas". Presented at the 14th International Conference on Industrial Logistics (ICIL), Beer-Sheva, Israel (May 2018).

Work Experience

2007–2016 System Analysis Team Leader, The Jerusalem College of Engineering.