

AMIR BRUDNER

School of Business Administration,
The Hebrew University of Jerusalem
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Curriculum Vitae

Research Interests

Transportation, Operations Research, Game Theory, Big Data, Machine Learning, Autonomous vehicles.

Education

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

Topic: Analyzing autonomous vehicle and public transportation markets - a game theory model.

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.

Professional education

MIT Professional

Modeling and simulation of transportation networks, MIT professional education, Massachusetts Institute of Technology, August 2017.

Selected Conference Paper and Invited Presentations

- 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).
- 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". Will be presented at the 30th European Conference on Operational Research (EURO), Dublin, Ireland (June 2019).

Teaching Experience

- 2016–Present** Lecturer,
School of Business Administration, The Hebrew University of Jerusalem.
Courses: Operations Management, Quantitative Models.
- 2011–Present** 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.

Academic Activities

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

Honors And Awards

- PhD** The Hebrew University of Jerusalem
University president's Full Scholarship of Distinction
The school of Business Administration Full Scholarship
- 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.

Work Experience

2007–2016 System Analysis Team Leader,
The Jerusalem College of Engineering.
Managing and hands-on the entire information systems analysis and business analysis projects.

Computer Skills And Other Tools

Scientific Matlab, Wolfram Mathematica, R, Python, SPSS, STATA, ArcGis, Qgis

Database SQL, SqlServer (including Reporting Services), MySQL, Tableau.

Web Design HTML, CSS, JavaScript and JQuery, PHP.