

Bilge Atasoy

Assistant Professor, Transportation Engineering and Logistics
Dept. of Maritime and Transport Technology, Faculty of Mechanical, Maritime and
Materials Engineering, TU Delft
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Academic Positions

Assistant Professor, Transportation Engineering and Logistics, Department of Maritime and Transport Technology, Faculty of Mechanical, Maritime and Materials Engineering, TU Delft, as of March 2018

Research Affiliate, MIT, ITS Lab, as of March 2018

Research Scientist, MIT, ITS Lab, Feb. 2017 - Feb. 2018

Postdoctoral Research Associate and Teaching Fellow, MIT, ITS Lab, Dec. 2013 - Jan 2017

On maternity leave between Oct 2015-Feb 2016 and part-time appointment between Feb-May 2016

Doctoral Assistant, Transport and Mobility Laboratory, EPFL, Sept. 2009 - Nov. 2013.

Research and Teaching Assistant, Industrial Engineering, Bogazici University, Sept. 2007- Aug. 2009.

Education

Ph.D. Civil and Environmental Engineering (Transportation/Operations Research), TRANSP-OR, EPFL, September 2009 - November 2013.

Ph.D. Thesis: Integrated supply-demand models for the optimization of flexible transportation systems

Supervisors: Prof. Michel Bierlaire, Dr. Matteo Salani

Committee Members: Prof. Cynthia Barnhart, Prof. François Soumis, Prof. François Maréchal, Prof. Philippe Thalmann

Visiting Ph.D. Student, Civil and Environmental Engineering (Transportation/Operations Research), MIT, February 2013 - March 2013.

Supervisor: Prof. Cynthia Barnhart

M.Sc. Industrial Engineering, Bogazici University, Istanbul, Turkey, 2009.

M.Sc. Thesis: A deterministic demand inventory model with advance supply information.

Supervisor: Prof. Refik Güllü

M.Sc. Exchange student, Operations Management and Logistics, TUE, Netherlands, Fall 2008.

Supervisor: Prof. Tarkan Tan

B.Sc. Industrial Engineering, Bogazici University, Istanbul, Turkey, 2007.

Dissertation: Measurement, analysis and evaluation of academic publications and citations.

Supervisor: Prof. Yaman Barlas

Research Projects

Tripod: Sustainable Travel Incentives with Prediction, Optimization and Personalization. An app-based travel incentive tool offering real-time personalized information and token rewards to be exchanged for goods & services, May 2016 - Feb 2018

Led the user experience team

Developed the user optimization component that provides an optimized menu of options to travelers.

Worked on the user optimization dimension including learning of users' preferences

Real-time toll optimization on managed lanes based on prediction of demand and traffic conditions, collaborative project with CINTRA, Oct 2014 - Feb 2018

Project manager

Developed a real-time toll optimization platform with students.

Wrote the proposal for the project and wrote the follow-up project proposal on personalized tolling policies which was also awarded.

Urban Mobility Behaviors & Preferences Test Bed, collaborative project under Ford-MIT Alliance, Jan 2015 - Aug 2017

Project manager

Design of context-specific app-based stated preferences surveys

Flexible Mobility on Demand (FMOD), collaborative project with Fujitsu, Dec 2013 - Mar 2015

Project manager

Developed assortment optimization models for the flexible mobility on demand system.

Conducted simulation experiments for the analysis of the system.

MyTosa: Simulation tool for the dimensioning, commercial promotion and case study set-up for ABB's revolutionary "Catenary-Free" 100% electric urban public mass-transportation system: Tosa 2013, collaborative project with ABB, 2012-2013

Collaborator

Developed optimization models for the location of charging stations.

Clip-Air concept: Integrated schedule planning for a new generation of aircraft, 2010-2013

Project manager

Developed airline schedule planning and fleet assignment models for the new aircraft, compared its performance to standard aircraft.

Inferring transport mode preferences from attitudes, collaborative project with La Poste, 2009-2011

Collaborator

Developed and analyzed discrete choice models with latent variables/classes.

Submitted Papers / Papers Under Revision

Danaf, M., Becker, F., Song, X., **Atasoy, B.** and Ben-Akiva, M. E. (2017) Personalized Recommendations using Discrete Choice Models with Inter- and Intra-Consumer Heterogeneity, *submitted to Decision Support Systems*

Toledo, T., Jing, P., **Atasoy, B.**, Ding-Mastera, J., Santos, J. and Ben-Akiva, M. E. (2018) Intercity truck route choices incorporating heterogeneity in toll road usage, *submitted to Transportation Research Part E: Logistics and Transportation Review*

- Danaf, M., **Atasoy, B.**, Lima de Azevedo, C., Ding-Mastera, J., Abou-Zeid, M., Cox, N., Zhao, F. and Ben-Akiva, M. E. (2018) Context-aware stated preferences surveys for smart mobility, *submitted to Journal of Choice Modeling*
- Osoorio, C. and **Atasoy, B.** (2017) Efficient simulation-based toll optimization for large-scale networks *under second review at Transportation Science*
- Song, X., Becker, F., Danaf, M., **Atasoy, B.** and Ben-Akiva, M. (2017) Enhancement of Hierarchical Bayes Procedure for Logit Mixture *under second review at Marketing Letters*.
- Gupta, S., Seshadri, R., **Atasoy, B.**, Prakash, A. A., Pereira, F., Tan, G. and Ben-Akiva, M.E. (2017) Real-Time Predictive Control Strategy Optimization, *under second review at IEEE Intelligent Transportation Systems Transactions*.

Accepted/Published Papers in International Journals

- Becker, F., Song, X., Danaf, M., **Atasoy, B.** and Ben-Akiva, M. (2018) Bayesian Estimator for Logit Mixtures with Inter- and Intra-Consumer Heterogeneity *forthcoming at Transportation Research Part B: Methodological*
- He, H., **Atasoy, B.**, Brazier, J. C., Zegras, P. C. and Ben-Akiva, M. (2018) Alternative Activity Pattern Generation for Stated Preferences Surveys, *Published online at Transportation Research Record*.
- Song, X., Danaf, M., **Atasoy, B.** and Ben-Akiva, M. (2018) Personalized Menu Optimization with Preference Updater: A Boston Case Study, *Published online at Transportation Research Record*.
- Atasoy, B.**, Ikeda, T., Song, X. and Ben-Akiva, M. (2015) The Concept and Impact Analysis of a Flexible Mobility on Demand System. *Transportation Research Part C: Emerging Technologies* 56, 373-392.
- Atasoy, B.**, Ikeda, T. and Ben-Akiva, M. E. (2015) Optimizing a Flexible Mobility on Demand System. *Transportation Research Record* No. 2536, 76-85.
- Glerum, A., **Atasoy, B.**, and Bierlaire, M. (2014). Using semi-open questions to integrate perceptions in choice models. *Journal of Choice Modeling* 10, 11-33.
- Atasoy, B.**, Salani, M., and Bierlaire, M. (2014). An Integrated Airline Scheduling, Fleeting, and Pricing Model for a Monopolized Market. *Computer-Aided Civil and Infrastructure Engineering - Special issue on Computational Methods for Advanced Transportation Planning* 29(2), 76-90.
- Atasoy, B.**, Salani, M., Bierlaire, M., and Leonardi, C. (2013). Impact analysis of a flexible air transportation system. *European Journal of Transport and Infrastructure Research* 13 (2), 123-146.
- Atasoy, B.**, Glerum, A., and Bierlaire, M. (2013). Attitudes towards mode choice in Switzerland. *disP - The Planning Review* 49(2), 101-117.
- Atasoy, B.**, Güllü, R., and Tan, T. (2012). Optimal Inventory Policies with Non-stationary Supply Disruptions and Advance Supply Information. *Decision Support Systems - Special issue on Information Issues in Supply Chain and in Service System Design* 53 (2), 269-281.

Book Chapters

- Atasoy, B.**, Ikeda, T. and Ben-Akiva, M. (2016), An Innovative Concept for Paratransit: Flexible Mobility on Demand, in Corinne Mulley, John D. Nelson (ed.) *Paratransit: Shaping the Flexible Transport Future (Transport and Sustainability, Volume 8)* Emerald Group Publishing Limited, pp.357 - 375.
- Atasoy, B.**, Salani, M., and Bierlaire, M. (2012). Integrated schedule planning with supply-demand interactions for a new generation of aircrafts. In D. Klatt et al. (ed) *Operations Research Proceedings 2011* pp.495-500. Springer.

Working Papers / Technical Reports

Atasoy, B., Sharif Azadeh, S., Maknoon, Y., Bierlaire, M. and Ben-Akiva, M. A choice-based integrated assortment optimization and dynamic pricing for a Flexible Mobility on Demand system. (working paper).

Atasoy, B., Salani, M., and Bierlaire, M. A local search heuristic for a mixed integer nonlinear integrated airline schedule planning problem (working paper).

Atasoy, B. and Bierlaire, M. (2012) An air itinerary choice model based on a mixed RP/SP dataset. Technical report TRANSP-OR 120426. Transport and Mobility Laboratory, ENAC, EPFL.

Peer-reviewed Conference Proceedings

Newly submitted

Atasoy, B., Sharif Azadeh, S., Maknoon, Y., Bierlaire, M., Ben-Akiva, M. A choice-based dynamic dial-a-ride problem for on-demand transportation, *Submitted to TRB 98th Annual Meeting*.

Song, X., **Atasoy, B.**, Ben-Akiva, M. Sequential personalized menu optimization through bandit learning, *Submitted to TRB 98th Annual Meeting*.

Zhang, Y., **Atasoy, B.**, Prakash, A.A., Ben-Akiva, M. Dynamic Toll Pricing Using DTA System with Online Calibration, *Submitted to TRB 98th Annual Meeting*.

Danaf, M., Guevara, A., **Atasoy, B.**, Ben-Akiva, M. Endogeneity in Adaptive Choice Contexts: Choice-Based Recommender Systems and Adaptive Stated Preferences Surveys, *Submitted to TRB 98th Annual Meeting*.

Seshadri, R., Kumarga, L., **Atasoy, B.**, Danaf, M., Xie, Y., Azevedo, C., Zhao, F., Zegras, C., Ben-Akiva, M. Understanding preferences for automated mobility on demand using smartphone-based stated preference survey: a case study of Singapore, *Submitted to TRB 98th Annual Meeting*.

Xie, Y., Danaf, M., Azevedo, C., Prakash, A.A., **Atasoy, B.**, Jeong, K., Seshadri, R., Ben-Akiva, M. Behavioral Modeling of On-Demand Mobility Services: General Framework and Application to Sustainable Travel Incentives, *Submitted to TRB 98th Annual Meeting*.

Already accepted and presented

Atasoy, B., Lima de Azevedo, C., Danaf, M., Ding-Mastera, J., Abou-Zeid, M., Cox, N., Zhao, F. and Ben-Akiva, M. (2018) Context-aware stated preferences surveys for smart mobility, 15th International Conference on Travel Behavior Research (IATBR), July 15-20, Santa Barbara, California

Zhang, Y., **Atasoy, B.** and Ben-Akiva, M. (2018) Calibration and Optimization for Adaptive Toll Pricing, Presented at TRB 97th Annual Meeting.

Lima de Azevedo, C., Seshadri, R., Gao, S., **Atasoy, B.**, Akkinepally, A. P., Trancik, J. and Ben-Akiva, M. (2018) Tripod: Sustainable Travel Incentives with Prediction, Optimization and Personalization, Presented at TRB 97th Annual Meeting.

Toledo, T., Jing, P., **Atasoy, B.**, Ding-Mastera, J., Santos, J. and Ben-Akiva, M. (2018) Intercity Truck Driver Route Choice Incorporating Drivers' Heterogeneity in Toll Road Usage: Data Collection, Model Estimation, and Model Application, Presented at TRB 97th Annual Meeting.

Danaf, M., Becker, F., Song, X., **Atasoy, B.** and Ben-Akiva, M. (2017) Personalized Recommendations using Discrete Choice Models with Inter-and Intra-Consumer Heterogeneity. International Choice Modeling Conference (ICMC) 2017.

Song, X., **Atasoy, B.** and Ben-Akiva, M. (2017) Smart Mobility through Personalized Menu Optimization. TRB 96th Annual Meeting.

- Sharif Azadeh, S., **Atasoy, B.**, Ben-Akiva, M. and Bierlaire, M. (2016) A choice-based integrated assortment optimization and dynamic pricing for a flexible mobility on demand system. Proceedings of 9th Triennial Symposium on Transportation Analysis (TRISTAN) June 13-17, 2016.
- Wang, S., **Atasoy, B.** and Ben-Akiva, M. (2016) Real-time Toll Optimization based on Predicted Traffic Conditions. TRB 95th Annual Meeting.
- Gupta, S., Seshadri, R., **Atasoy, B.**, Pereira, F., Wang, S., Vu, V.-A., Tan, G., Dong, W., Lu, Y., Antoniou, C. and Ben-Akiva, M. (2016) Real-time Optimization of Network Control Strategies in DynaMIT2.0. TRB 95th Annual Meeting.
- Atasoy, B.**, Ikeda, T. and Ben-Akiva, M. (2015) Optimizing a Flexible Mobility on Demand System. TRB 94th Annual Meeting Compendium of Papers, January 11-15, 2015.
- Atasoy, B.**, Ikeda, T. and Ben-Akiva, M. (2015) Optimized Travel Menus with a Flexible Mobility on Demand System. Paper presented at Conference on Advanced Systems in Public Transport (CASPT), July 19-23, 2015.
- Atasoy, B.**, Salani, M., and Bierlaire, M. (2013). Models and algorithms for integrated airline schedule planning and revenue management. Proceedings of 8th Triennial Symposium on Transportation Analysis (TRISTAN) June 09-14, 2013.
- Atasoy, B.**, Salani, M., and Bierlaire, M. (2013). Integration of explicit supply-demand interactions in airline schedule planning and fleet assignment. Proceedings of the 13th Swiss Transport Research Conference (STRC) April 24-26, 2013.
- Chen, J., **Atasoy, B.**, Robenek, T., Bierlaire, M., and Thémans, M. (2013). Planning of feeding station installment for electric urban public mass-transportation system. Proceedings of the 13th Swiss Transport Research Conference (STRC) April 24-26, 2013.
- Atasoy, B.**, Salani, M., Bierlaire, M., and Leonardi, C. (2012). Impact analysis of a flexible air transportation system. 52nd AGIFORS Annual Proceedings 2012 - Symposium and Study Group Meeting, pp. 78-103.
- Atasoy, B.**, Salani, M., and Bierlaire, M. (2012). An integrated fleet assignment and itinerary choice model for a new flexible aircraft. Proceedings of the 12th Swiss Transport Research Conference (STRC) May 2-4, 2012.
- Atasoy, B.**, Glerum, A., and Bierlaire, M. (2011). Mode choice with attitudinal latent class: a Swiss case-study. Proceedings of the Second International Choice Modeling Conference (ICMC) July 4-6, 2011.
- Glerum, A., **Atasoy, B.**, Monticone, A., and Bierlaire, M. (2011). Adjectives qualifying individuals' perceptions impacting on transport mode preferences. Proceedings of the Second International Choice Modeling Conference (ICMC) July 4-6, 2011.
- Atasoy, B.**, Salani, M., and Bierlaire, M. (2011). Integrated schedule planning with supply-demand interactions. Proceedings of the 11th Swiss Transport Research Conference (STRC) May 11-13, 2011.
- Atasoy, B.**, Glerum, A., Hurtubia, R., and Bierlaire, M. (2010). Demand for public transport services: Integrating qualitative and quantitative methods. Proceedings of the 10th Swiss Transport Research Conference (STRC) September 1 - 3, 2010.
- Hurtubia, R., **Atasoy, B.**, Glerum, A., Curchod, A., and Bierlaire, M. (2010). Considering latent attitudes in mode choice: The case of Switzerland. Proceedings of the World Conference on Transport Research (WCTR) July 11-15, 2010.
- Küçük, B.**, Güler, N., and Eskici, B. (2008). A dynamic simulation model of academic publications and citations. Proceedings of the 26th International System Dynamics Conference July 20-24, 2008.

Patents

Flexible Mobility on Demand, U.S. Application No.: 62/069390, Filing date: October 28, 2014, Inventors: Ben-Akiva M. E., Ikeda, T., **Atasoy, B.**

Presentations at international conferences & invited seminars

TRB 97th Annual Meeting, January 2018
 INFORMS, October 2017, Houston, Texas
 Delft University of Technology (TU Delft), The Netherlands, August 2017
 IFORS, July 2017, Quebec, Canada
 Conference on Transportation Systems, EPFL, February 2017
 TRB 96th Annual Meeting, January 2017
 Technical University of Eindhoven (TUE), The Netherlands, February 2016
 TRB 94th Annual Meeting, January 2015
 INFORMS Annual Meeting, November 2014, San Francisco, CA
 International Paratransit Conference: Shaping the Future for Paratransit, October 2014, Monterey, CA
 The International IIE Conference June 2013, Istanbul, Turkey
 TRISTAN VIII - The Eighth Triennial Symposium on Transportation Analysis, June 2013, San Pedro de Atacama, Chile
 Seminar at IDSIA, May 2013, Manno-Lugano, Switzerland
 11th OR days, May 2013, Geneva, Switzerland
 13th Swiss Transportation Research Conference (STRC), April 2013, Ascona, Switzerland
 First Workshop on Large Scale Optimization, November 2012, Vevey, Switzerland
 LATSIS Symposium: 1st European Symposium on Quantitative Methods in Transportation Systems, September 2013, Lausanne, Switzerland
 25th European Conference on Operational Research (EURO), July 2012, Vilnius, Lithuania
 10th OR days, June 2012, Neuchatel, Switzerland
 12th Swiss Transportation Research Conference (STRC), May 2012, Ascona, Switzerland
 Séminaire du 3ème cycle romand de Recherche Opérationnelle, January 2012, Zinal, Switzerland
 OR 2011- International Conference on Operations Research, September 2011, Zurich, Switzerland
 IFORS, July 2011, Melbourne, Australia
 11th Swiss Transportation Research Conference (STRC), May 2011, Ascona, Switzerland
 Séminaire du 3ème cycle romand de Recherche Opérationnelle, January 2011, Zinal, Switzerland
 10th Swiss Transportation Research Conference (STRC), September 2010, Ascona, Switzerland
 AGIFORS, Schedule and Strategic Planning Study Group meeting, June 2010, Lausanne, Switzerland
 26th International System Dynamics Conference, July 2008, Athens, Greece

Teaching activities

TU Delft (2018-)

Quantitative Methods for Logistics (ME44205): will be teaching with Mark Duinkerken.

Daily supervisor for PhD and MSc students

Rie Larsen, PhD student, Predictive Synchronomodality for more Efficient Container Transportation, on-going.

Joep Paulusse, TIL MSc graduation project, Optimal hub-locations in on-demand mobile app delivery

services, ongoing.

Ruden de Boer, TEL MSc graduation project, An optimal logistic infrastructure for recycling of EPS in the Netherlands, ongoing.

Menno Dalmijn, TEL MSc graduation project, Development of an Urban E-truck for Lat-mile Logistics, ongoing.

Jurriaan Meijboom, TEL MSc graduation project, Waste reduction in e-groceries fulfillment centers: a case study at Picnic, ongoing.

Helianne Kalff, TEL MSc graduation project, A decision support model for repair scheduling of trains under different defect types, ongoing.

Thesis committee member

Jitte S. van Dijk, MSc in Marine Technology in the specialization of Marine Engineering, Selecting an Optimal Power Plant Configuration as Function of the Operational Profile and Client Preferences, June 2018.

MIT (2013-2018)

1.202 Demand Modeling (taught by M. Ben-Akiva), Spring 2014-2016

Lead instructor in Spring 2017 during the sabbatical of M. Ben-Akiva.

Teaching fellow with an overall rating of 5.9/7.0 for Spring 2014, 6.6/7.0 for Spring 2015 and 6.8/7.0 for Spring 2016. Prepared and led weekly recitations, worked on case studies with students.

Discrete Choice Analysis: Predicting Demand and Market Shares (taught by M. Ben-Akiva), June 16-20, 2014 and June 15-19, 2015, June 6-10, 2016, June 12-16, 2017

Computer lab leader: prepared and led daily lab sessions, worked on case studies with participants.

Taught 2 lectures in 2017

Transportation module of 1.007 Data Analytics: Engineering for Environment and Sustainable Cities, Spring 2015

Design and preparation of student projects related to data analytics

1.200 Transportation Systems Analysis: Performance and Optimization (taught by A. Odoni and C. Osorio), Fall 2014

Guest lecturer for a lecture on Network Flow Models and Variations

Overall rating as a lecturer 6.0/7.0

1.201 Transportation Systems Analysis: Demand and Economics, Fall 2016

Guest lecturer for a lecture on Flexible Mobility on Demand

Mentoring students at the ITS Lab

Song, Xiang, Ongoing PhD Thesis on personalized menu optimization

Danaf, Mazen, Ongoing PhD Thesis on estimation and update of user preferences

Zhang, Yundi, Ongoing PhD Thesis on robust real-time optimization

Peaks, Narindra, MEng Thesis on a personalized smartphone app that provides incentives for saving energy, June 2018.

Brooks, Jamar G., MEng Thesis: Mobile Interface For Mobility Incentives Schemes: FMS-Advisor, June 2017

Wang, Shi, MSc Thesis: Real Time Toll Optimization based on Predicted Traffic Conditions, June 2016

Cox, Nat, MSc Thesis: Estimating Demand for New Modes of Transportation Using a Context-Aware Stated Preference Survey, June 2015

EPFL (2009-2013)

Introduction to differentiable optimization (taught by M. Bierlaire), Fall 2010, 2011, 2012

Led bi-weekly lab sessions, developed student projects on linear and nonlinear optimization problems

Operations Research (taught by M. Bierlaire), Spring 2010

Involved in weekly recitations

Master thesis supervision for 2 mathematics and 1 civil engineering students

Semester project supervision for 4 mathematics and 5 civil engineering students

Discrete Choice Analysis: Predicting Demand and Market Shares (taught by M. Ben-Akiva and M. Bierlaire), 2011, 2012

Involved in daily lab sessions for the one-week course

Bogazici University (2007-2009), Led weekly recitations for the following courses:

IE 423 Quality Engineering, Fall 2007

IE 304 Operations Research III: Stochastic Models, Spring 2008

IE 306 Systems Simulation, Spring 2009

Reviewing

Transportation Science

Transportation Research Part A: Policy and Practice

Transportation Research Part B: Methodological

Transportation Research Part C: Emerging Technologies

Transportation

4OR: A Quarterly Journal of Operations Research

EJOR European Journal of Operational Research

Annals of Operations Research

Decision Support Systems

EURO Journal on Transportation and Logistics

Journal of Airline and Airport Management

Computer-Aided Civil and Infrastructure Engineering

Transportmetrica A

Journal of Advanced Transportation

Journal of Scheduling

PUTR: Public Transport

Transport Policy

Reviewer for ITSC 2016

Reviewer for TRB 2016 - Standing Committee on Paratransit (AP060)

Reviewer for TRB 2018 - Standing Committee on Traveler Behavior and Values (ADB10)

Reviewer for IATBR 2015

Reviewer for LATSIS Symposium / 1st hEART Conference, 2013

Other academic activities

Scientific Committee of hEART 2018 conference in Athens, Greece

Organized and chaired a Sustainable Travel Incentives session under the Urban Transportation - Special Interest Group at INFORMS, 2017

Member of INFORMS - Optimization Society and Transportation and Logistics Society

Contributions to Research Proposals

Personalized tolling policies, 2018, *Main contributor, awarded by Ferrovial/ CINTRA*

Tripod: Sustainable Travel Incentives with Prediction, Optimization and Personalization, 2015, sponsored by the U.S. Energy Department's Advanced Research Agency-Energy (ARPA-E) - *Contributor, awarded*

Real-time toll optimization on managed lanes based on prediction of demand and traffic conditions, 2014, *Main contributor, awarded by Ferrovial/ CINTRA*

Clip-Air concept: Integrated schedule planning for a new generation of aircraft, 2010, sponsored by EPFL Middle East - *Main contributor, awarded*

Skills

Computer: C, C++, C#, Matlab, R, Python, AMPL, GLPK, GAMS, Biogeme

Languages: Turkish (mother tongue), English (advanced), French (intermediate)

Honors, Awards, & Fellowships

Best Ph.D. Thesis Award - Swiss Operations Research Society (SVOR/ASRO) prize for an outstanding theoretical or applied Ph.D. Thesis in the field of Operations Research among the theses finalized between 2012-2014.

Ph.D. Thesis nominated for the EPFL Ph.D. prize (top 5% of Ph.D. students in EPFL).

Best Poster Runner Up Award at the 26th International Conference of the System Dynamics Society held at Athens, Greece on 20 - 24 July, 2008.

Graduated with high honor M.Sc. (3.92/4.00) and B.Sc. (3.71/4.00) degrees.

Scholarship from TUBITAK (The scientific and technological research council of Turkey) during Master studies.

Scholarship from Bogazici University during bachelor studies.

Ranked 5th in the national university entrance exam in Turkey among 1.5 million participants.

References

Prof. Moshe Ben-Akiva

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Dr. Matteo Salani

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