

# Curriculum Vitae

## PERSONAL INFORMATION

Ben-Elia, Eran

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Web: <http://www.bgu.ac.il/~benelia>

## • EDUCATION

- 2008 PhD  
Transportation and Geo-Information Engineering, Technion – Israel  
Institute of Technology, Israel
- 2000 M.Sc (Cum Laude)  
Urban and Regional Planning, Technion – Israel Institute of Technology, Israel

## • CURRENT POSITIONS

- 2020 Associate Prof.  
Geography and Environmental Development, Ben-Gurion University of the Negev, Israel
- 2014 Senior Lecturer  
Geography and Environmental Development, Ben-Gurion University of the Negev, Israel
- 2014 GAMES Lab Head – (Game-based models)  
Geography and Environmental Development, Ben-Gurion University of the Negev, Israel
- 2014 Senior Research Fellow, Geography and Human Environment, Tel Aviv University

## • PREVIOUS POSITIONS

- 2017 Visiting Lecturer, University of the Aegean, Greece.
- 2013 – 2014 Senior Research and Teaching Fellow  
Geography and Human Environment, Tel Aviv University
- 2010 – 2010 Senior Research Fellow  
Centre for Transport and Society, University of West of England, UK
- 2008 – 2010 Postdoc Researcher  
Human Geography and Planning, Utrecht University, Netherlands
- 2007 – 2008 Research Associate  
Transportation Research Institute, Technion – Israel Institute of Technology, Israel

## • FELLOWSHIPS AND AWARDS

- 2020 AIANI - Austria-Israel Academic Network Innsbruck , U. of Innsbruck
- 2017 Erasmus Mondus, Travel and Support Grant to U. of the Aegean, Greece.
- 2017 Travel Grant, Humboldt University Graduate School (BIGS), Berlin
- 2016 BGU VP-Research support grant, \$2K, promotion of M.A. project.
- 2016 Elsevier, Outstanding Reviewer for J. of Transp. Research Part C.
- 2014 NSF funded Travel Grant, University of Chicago, Illinois
- 2013 – 2014 Returning Scientist Fellowship – Israeli Ministry of Immigration and Absorption
- 2012 European Commission, Appreciation of Best-Practice for Cost-Benefit Analysis, FP7-Civitas Renaissance.
- 2012 Transportation Research Board of the National Academies, Certificate of appreciation for contribution to formulating the long term strategic plan of the TRB Committee on ‘Effects of ICT on Travel Choices’ (ADB20).
- 2003 – 2007 Full Scholarship for Ph.D. studies. Technion – Israel Institute of Technology, Israel
- 2001 Prize for **best M.Sc Thesis**. Faculty of Architecture and Town Planning, Technion – Israel Institute of Technology, Israel.
- 2000 **M.Sc Cum Laude**. Technion – Israel Institute of Technology.
- 1995 – 1997 Full Scholarship for M.Sc. studies, Technion – Israel Institute of Technology, Israel.
- 1998 Prize for **excellence in M.Sc studies**, Faculty of Architecture and Town Planning, Technion – Israel Institute of Technology, Israel.
- 1995 **B.A. Magna Cum Laude**, Economics and Political Science, Faculty of Social Sciences, Tel Aviv University, Israel
- 1993 **Dean’s list of distinguished students**, Faculty of Social Sciences, Tel-Aviv

University, Israel

• **SUPERVISION OF GRADUATE STUDENTS AND POSTDOCTORAL FELLOWS**

- 2021 M.A (Advisor) A. Asulin M.A Geography and Environmental Development, Ben-Gurion University of the Negev, Israel
- 2020 M.A (Advisor) A. Caspi Geography and Environmental Development, Ben-Gurion University of the Negev, Israel
- 2020 Ph.D (Co-Advisor) V. Uziel, Faculty of Management., Ben-Gurion University of the Negev, Israel
- 2019 M.Sc (Co-Advisor) Y. Yolles Faculty of Eng., Ben-Gurion University of the Negev, Israel
- 2019–2021 M.A (Advisor) M. Collins Geography and Environmental Development, Ben-Gurion University of the Negev, Israel
- 2019–2021 M.A (Advisor) S. Geva Geography and Environmental Development, Ben-Gurion University of the Negev, Israel
- 2019–2021 M.Sc (Co-Advisor) N. Shalit, Faculty of Eng., Ben-Gurion University of the Negev, Israel
- 2019– M.Sc (Co-Advisor) L. Sharon, Faculty of Eng., Ben-Gurion University of the Negev, Israel
- 2018– M.A. (Advisor) E *Tzrifati*, Geography and Environmental Development, Ben-Gurion University of the Negev, Israel
- 2018–2020 M.Sc. (Co-Advisor), S. *Kaufman*, Faculty of Eng., Ben-Gurion University of the Negev, Israel
- 2018–2021 P.hD (Co-Advisor), S. *Ben-Zvi*, Faculty of Civil and Environmental Eng. Technion, Israel
- 2017–2021 Ph.D. (Co-Advisor), N. *Fullman*, Geography and Human Environment, Tel Aviv University
- 2017– Ph.D. (Co-Advisor), G. *Ben-Dor*, Geography and Human Environment, Tel Aviv University
- 2016– 2018 Post Doc (Advisor), B. *Demtryeva*, Geography and Environmental Development, Ben-Gurion University of the Negev, Israel
- 2016– 2019 MA (Advisor), O. *Avni*, Geography and Environmental Development, Ben-Gurion University of the Negev, Israel
- 2016– 2018 MA (Advisor), G. *Haviv*, Geography and Environmental Development, Ben-Gurion University of the Negev, Israel
- 2015– 2017 Post Doc (Advisor), N. *Levy*, Geography and Environmental Development, Ben-Gurion University of the Negev, Israel
- 2014– 2017 Post Doc (Co-Advisor), A. *Shabalov*, Geography and Human Environment, Tel Aviv University
- 2014– 2018 Ph.D, I. *Klein*, Geography and Environmental Development, Ben-Gurion University of the Negev, Israel
- 2012– 2013 Ph.D, (Examiner) H. *Bowkett*, Faculty of Environment and Technology, University of West of England, UK
- 2010– Ph.D (Co-Advisor/Examiner), X. *Lu*, Faculty of Civil Engineering, U. of Massachusetts Amherst, USA
- 2010– 2013 Master Students, S. *Milles*, A. *Miles*, Faculty of Environment and Technology, University of West of England, UK

• **TEACHING ACTIVITIES**

- 2019 Lecturer – Economic Geography in the Modern and Information Ages
- 2018 - 2019 Lecturer – Introduction to Economics for Geographers, Ben-Gurion University, Israel
- 2017 Lecturer – Planners Forum (MA), Ben-Gurion University, Israel
- 2017 Lecturer – Seminar in Transportation
- 2016– 2018 Lecturer–Transportation Planning (MA), Ben-Gurion University, Israel
- 2015– 2017 Lecturer – Transport Geography (BA), Ben-Gurion University, Israel

- 2014 – 2017 Lecturer – Virtual Geography (BA), Ben-Gurion University, Israel
- 2014 – 2017 Lecturer – Economic Geography (BA), Ben-Gurion University, Israel
- 2013 – 2014 Lecturer – Virtual Geography (BA), Tel Aviv University, Israel
- 2013 – 2014 Lecturer – SPSS 1+2 (BA), Tel Aviv University, Israel
- 2013 – 2014 Lecturer – Quantitative Research Methods in Geography (BA), Tel Aviv University, Israel
- 2012 – 2013 Lecturer – Transport Economics and Appraisal (M.Sc), University of West of England
- 2012 – 2013 Lecturer – Changing Travel Behaviour (M.Sc), University of West of England
- 2006 – 2007 Adjunct Lecturer – Transportation Planning Lab, Technion, Israel
- 2004 – 2007 Adjunct Lecturer – Transportation Planning, Technion, Israel
- 2003 – 2005 Adjunct Lecturer – Statistics for Engineers, Technion, Israel
- 2003 – 2007 Adjunct Lecturer – Traffic Engineering Lab, Technion, Israel
- 1997 – 1998 Adjunct Lecturer – Computer Methods in Planning, Technion, Israel

• **ORGANISATION OF SCIENTIFIC MEETINGS**

- 2020 ABMTRANS 2021: The 10th International Workshop on Agent-based Mobility, Traffic and Transportation Models, Methodologies and Applications – Member of the program committee.
- 2020 ABMTRANS 2020: The 9th International Workshop on Agent-based Mobility, Traffic and Transportation Models, Methodologies and Applications – Member of the program committee.
- 2019 ABMTRANS 2019: The 8th International Workshop on Agent-based Mobility, Traffic and Transportation Models, Methodologies and Applications – Member of the program committee.
- 2018 9th International Conference on Emerging Ubiquitous Systems and Pervasive Networks. Technical Program Committee Member
- 2018 ABMTRANS 2018: The 7th International Workshop on Agent-based Mobility, Traffic and Transportation Models, Methodologies and Applications – Member of the program committee.
- 2017 European Association of Research in Transport (hEART) member of local organization committee.
- 2017 Workshop Co-organizer – Let's Play! Inferring Travel Choices with Games and Virtual Reality, 96<sup>th</sup> Annual Meeting of the Transportation Research Board of the National Academies, USA
- 2016 Symposium Chair – Emerging and Shared Transportation Modes and Mobility Services, Tel Aviv University, Tel Aviv, Israel
- 2016 Workshop organizer – International Workshop on ICT, Activities, Time Use and Travel” – Nanjing University, Nanjing, China.
- 2016 Session Track Organizer / ICTs, Activities, Time Use and Travel Behaviour – 14<sup>th</sup> World Conference on Transportation Research, Shanghai
- 2015 Workshop Co-organizer / Advanced Travel Information Systems – 94<sup>th</sup> Annual Meeting of the Transportation Research Board of the National Academies, USA
- 2014 Session Co-organizer / Big Data, ICTs, and Travel Demand Models – 93<sup>rd</sup> Annual Meeting of the Transportation Research Board of the National Academies, USA
- 2013 Session Track Organizer / ICTs, Activities and Travel – 13<sup>th</sup> World Conference on Transportation Research, Portugal
- 2013 Workshop Co-organizer / Impact of Information on Behaviors of Travelers –92<sup>nd</sup> Annual Meeting of the Transportation Research Board of the National Academies, USA

• **INSTITUTIONAL RESPONSIBILITIES**

- 2018 – Head of Departmental graduate studies committee.
- 2017 – 2018 Head of Departmental student recruitment committee
- 2014 – 2016 Head of Departmental Excellent Students Program, Geography and Environmental Development, Ben-Gurion University of the Negev, Israel
- 2014 – Faculty member, Humanities and Social Sciences, Ben-Gurion University, Israel
- 2012 – 2013 Module Leader (Transport Economics), University of the West of England, UK
- 2012 – PhD Examiner, University of the West of England, UK

- **REVIEWING AND EDITORIALS**

Verified journal reviews in Publons- 97 (<https://publons.com/researcher/2986104/eran-ben-elia/>)

**Journals:** Transportation Research Part A / B / C / D / F, Transportation , Transportation Science, Transport Policy , Transport Reviews, Journal of Transport Geography , Transportmetrica A, Mobilities, European Journal of Transportation Infrastructure Research, Journal of Choice Modeling, Journal of Operations and Production Management, Journal of Evaluation and Program Planning, International Journal of Environmental Research and Public Health, Environment and Behavior, Natural Resources Forum (United Nations Department of Economic and Social Affairs), Scientific Reports

**GRANTS:** National Science Foundation - Decision, Risk, and Management Sciences; Chilean Science Foundation (CONICYT); Dutch Science Foundation (NWO) - Cooperation with China in Operations Research. COST (EU), Israel Science Foundation (ISF), Horizon 2020 (H2020-LC-GD-2020-4)

**Editorials:** EDB Member: Transportation Research Part C (2017 - ), Transportation (2016 - ) Transportation Letters (2016 - ); Special Issue of Transportation, ICT, activity-space and travel Guest Editor, Special Issue of Transport Policy, Selected Papers on Travel Behavior of the 12th WCTR (2013)

- **MEMBERSHIPS OF SCIENTIFIC SOCIETIES**

- 2020 – Big Data Analytics Committee, Israel Smart Transportation Research Center
- 2018 – Transportation Research Center, Ben-Gurion University
- 2018 – Data Science Research Center, Ben-Gurion University
- 2015 – Decision Making and Economic Psychology Research Center, Ben-Gurion University
- 2014 – European Network for Communication and Transport Research (NECTAR) Cluster 8 – Information and Communication Technologies
- 2010 – 2019 Committee on Effects of ICT on Travel Choice, Transportation Research Board of the National Academies (US)
- 2009 – International Association of Travel Behaviour Research
- 2009 – 2019 Chair of Special Interest Group – ICT, Activities, Time Use and Travel Behaviour (SIG-D4) World Conference on Transportation Research Society (WCTRS).

- **RESEARCH GRANTS**

<i>Project Title</i>	<i>Funding source</i>	<i>Amount</i>	<i>Period</i>
Smart Adaptive Public Transport	ERA-NET	€106K	2014-2016
Cooperation in Congested Road Networks	Israel Science Foundation (ISF)	€90K	2014-2018
Adaptive Dynamic Parking Pricing: From Theory to Practical Implementation	Institute of Transportation Innovation, Tel Aviv University	€65K	2015-2018
From Big Data to Public Transport Demand by fusing cellular and smartcard data	Chief Scientist Office, Israel Ministry of Transport	€65K	2016-2019
Adoption of the shared autonomous vehicle: A Game-based model of urban travelers and transportation	Chief Scientist Office, Israel Ministry of Transport	€110K	2017-2019
Development of an open source decision making application for public transport reliability estimation	Survey of Israel	€14K	2018-2019
Tessellation of Urban Parking Prices	Israel Science Foundation (ISF)	€117K	2018-2020
Mobility as a Service: From Rigid to Smart Evolving Public Transport	Ministry of Science and Technology (MOST)	€240K	2019-2021
Game-Based Modeling of Societal Transition to MaaS	Institute of Transportation Innovation, Tel Aviv University	€30K	2019-2020
Public Transportation Literacy and the Accessibility of Elderly travelers	Israel Smart Transportation Research Center (ISTRC)	€27K	2020-2021

## • PUBLICATIONS

### Refereed articles and refereed letters in scientific journals

**Ben-Elia E.**, Shifan Y, Shefer D., (2003), Transportation Impact Statement (TIS): A new tool for transportation and land use planning, *Environment & Planning A*, 35, 12, 2177-2190.

**Ben-Elia E.**, Erev I., Shifan. Y., (2008), The combined effect of information and experience on drivers' route-choice behavior, *Transportation*, 35, 165-177.

**Ben-Elia E.**, Ettema D., (2009), Carrots versus sticks: Rewarding commuters for avoiding the rush-hour - a study of willingness to participate, *Transport Policy*, 16, 68-76.

**Ben-Elia E.**, (2009), Pricing in road transport (Book Review), *J.of Transport Geography*, 17, 318-319

**Ben-Elia E.**, Shifan Y., (2010) Which road do I take? A learning-based model of route choice with real-time information, *Transportation Research A*, 44, 249-264.

**Ben-Elia E.**, Ettema D. (2011), Changing commuter behavior using rewards for avoiding rush-hour driving, *Transportation Research F*, 14, 354-368.

**Ben-Elia E.**, Ettema D. (2011), Rewarding rush-hour avoidance: A study of commuters' travel behavior, *Transportation Research A*, 45, 567-582.

Lu X., Gao S., **Ben-Elia E.** (2011), Information Impacts on Route Choice and Learning Behavior in a Congested Network: Experimental Approach, *Transportation Research Record*, 2243, 89-98.

Tillema T., **Ben-Elia E.**, Ettema D., Van Delden, J., (2013), Charging versus rewarding: A comparison of road-pricing and rewarding peak avoidance in The Netherlands, *Transport Policy*, 26, 4-14.

**Ben-Elia E.**, Ishaq R., Shifan Y. (2013), If only I had taken the other road: Regret, risk and reinforced learning in informed route choice?, *Transportation*, 40, 269-293.

**Ben-Elia E.**, Di-Pace R., Bifulco G. N., Shifan Y. (2013), The impacts of information's accuracy on route-choice, *Transportation Research C*, 46, 146-159.

**Ben-Elia E.**, Shifan Y., (2013) Understanding behavioural change: An international perspective on sustainable travel behaviours and their motivations": Selected Papers from the 12th World Conference on Transportation Research (Editorial), *Transport Policy*, 26, 1-3

Clayton W., **Ben-Elia E.**, Ricci, M., Parkhurst G.,(2014), Where to park?: A behavioural comparison of bus Park and Ride and city centre car park usage in Bath, UK., *J. of Transport Geography*, 36, 124-133.

**Ben-Elia E.**, Alexander B., Hubers C., Ettema D., (2014) Activity fragmentation, ICT and travel: An exploratory path analysis of spatiotemporal interrelationships, *Transportation Research A* , 68, 56-74.

Lu X., Gao S., **Ben-Elia E.**, (2014) Pothering R., Travelers' Day-to-Day Route Choice Behavior with Real-Time Information in a Congested Risky Network, *Mathematical Population Studies*, 21, 205-219.

**Ben-Elia E.**, Avineri I., (2015) Response to travel information: A behavioural review, *Transport Reviews*, 35, 352-377.

**Ben-Elia E.** Benenson, I., Rofe Y., Safra E., Geyzersky, D. (2015), A Spatially-Explicit Big Data application for computation and evaluation of public transport accessibility in Tel Aviv-Yafo, Tichnun, 12, 37-58. (In Hebrew)

Kumar V. S, Bhat C. R., Subodh K. D., Pendyala R., Daehyun Y., **Ben-Elia E.**, Ettema D., The Impacts of an Incentive-Based Intervention on Peak Period Traffic: Experience from the Netherlands, *Transportation Research Record*, in press. DOI: 10.3141/2543-20

Levy N., **Ben-Elia E.**, (2016), Emergence of system optimum: A fair and altruistic agent-based route-choice model, *Procedia Computer Science*, 83, 928-93317.

Klein I., **Ben-Elia E.**, (2016), Emergence of cooperation in congested road networks using ICT and future and emerging technologies: A game-based review, *Transportation Research Part C: Emerging* 72, 10-28

Benenson, I. **Ben-Elia E.**, Rofe Y., Geyzersky, . (2017), The benefits of a high-resolution analysis of transit accessibility, *International Journal of GIS*, 31, 213-236.

Dong H., **Ben-Elia E.**, Cirillo C., Toledo T, Prashker J. N. (2017), On Negative Correlation: A Comparison between Multinomial Probit and GEV-based Discrete Choice Models, *Transportmetrica A*, 13, 365-379.

- Stathopoulos A., Cirillo C., **Ben-Elia E.**, Cherchi E., Schmoecker J. D., Li J., Innovation adoption modeling in transportation: new models and data (workshop report), *Journal of Choice Modelling*, 25, 61-68.
- Klein I, Levy N., **Ben-Elia E.** (2017), An Agent-Based Model of a System-Optimal ATIS, *Procedia Computer Science*, 109, 893-898.
- Tang Y., Gao S., **Ben-Elia E.**, (2017) An Exploratory Study of Instance-Based Learning for Route Choice with Random Travel Times, *J. of Choice Modelling*, 24, 22-35.
- Klein, I., **Ben-Elia, E.** (2017). System optimal ATIS as a congestion management instrument—Game-based experiment and agent based model. In *Models and Technologies for Intelligent Transportation Systems (MT-ITS), 2017 5th IEEE International Conference on Intelligent Transportation Systems*, 816-820
- Ben-Dor G., **Ben-Elia E.**, Benenson I., (2018) Assessing the Impacts of Dedicated Bus Lanes on Urban Traffic Congestion and Modal Split with an Agent-Based Model, *Procedia Computer Science*, 130, 824-829.
- Ben-Elia E.**, Feng Zhen (2018), ICT, Activity Space-Time and Mobility: New insights, new models, new methodologies – Editorial, *Transportation*, 45, 267-272
- Ben-Elia E.**, Lyons G., Mokhtarian P. L. (2018) Epilogue: The new frontiers of behavioral research on the interrelationships between ICT, Activities, Time Use and Mobility, *Transportation*, 45, 479-497
- Levy N., Klein I., **Ben-Elia E.**, Emergence of cooperation and a fair system optimum in road networks: A game-theoretic and agent-based modelling approach, *Research in Transport Economics*, 68, 46-55
- Klein I., Levy N. **Ben-Elia E.**, (2018), An agent-based model of the emergence of cooperation and a fair and stable system optimum using ATIS on a simple road network, *Transportation Research Part C*, 86, 183-201.
- Klein I., **Ben-Elia E.**, (2018) Emergence of cooperative route-choice: A model and experiment of compliance with system-optimal ATIS, *Transportation Research Part F*, 59, 348-364
- Harouvi O., **Ben-Elia E.**, De Hoogh K., Factor R., Kloog I. (2018), Noise estimation model development using high-resolution land use regression, *Journal Of Exposure Science And Environmental Epidemiology*, 28, 559-567.
- Ben-Elia E.** Benenson, I. (2019), A spatially-explicit method for analyzing equity in job accessibility, *Transportation Research Part A*, 120 31-42.
- Levy N. Golani C., **Ben-Elia E.**, An exploratory study of spatial patterns of cycling in Tel Aviv using passively generated bike-sharing data (2019), *J. of Transport Geography* 76, 325-334
- Ben-Dor, G., **Ben-Elia, E.**, Benenson, I. (2019). Determining an Optimal Fleet Size for a Reliable Shared Automated Vehicle Ride-Sharing Service. *Procedia Computer Science*, 151, 878-883.
- Fulman N S., Benenson I.PI, Ben-Elia E.PI, (2020), Modeling Parking Search Behavior in the City Center: A Game-Based Approach, *Transportation Research Part C*, 120, 102800. (citations=0, IF=6.077; JR=4/36, Q1)
- Levi, A.PI, Kessler, N.C, Klein, I.C, Ben-Elia, E.C, (2020), Implementation of Teleworking Policy in Israel - Benefits, Challenges and the Day after COVID-19 מגפת הקורונה – תועלת, אתגרים והיום שאחרי, *Ecology and Environment*, 11 (N/A)
- Ben-Dor, G., **Ben-Elia, E.**, Benenson, I. (2020), Spatiotemporal Implications of Population Downscaling: A MATSim Study of the Sioux Falls Morning Peak Traffic, *Procedia Computer Science*, 170, 720-725.
- Ben-Dor G.S, Ben-Elia E.PI, Benenson I.PI, (2020), Population Downscaling in Multi-Agent Urban Traffic Simulations: A Review and Case Study, *Simulation Modelling Practice and Theory* 102,233 (citations=0, IF=2.219, JR=37/108, Q2)
- Ben-Elia E.PI, (2020), An exploratory real-world wayfinding experiment: A comparison of drivers' spatial learning with a paper map vs. turn-by-turn audiovisual route guidance, *Transportation Research: Interdisciplinary Perspectives*, 9, 100280 (N/A)
- Etzioni S.S, Daziano R C., Ben-Elia E.PI, Shiftan Y.PI, Preferences for Shared Automated Vehicles: A Hybrid Latent Class Modeling Approach, *Transportation Research Part C*, 125, April 2021, 103013 (Accepted 06/02/2021) (citations=0, IF=6.077; JR=4/36, Q1).

### **(b) Refereed chapters in books**

- Avineri E, **Ben-Elia E.**, (2015), Prospect Theory and its application to the modelling of travel choice. Bounded Rational Choice Behavior; S. Rasouli, H. Timmermans eds. ; ISBN: 978-1-78441-072-8
- Ben-Elia E.**, Avineri E., (2015), Opportunities and Threats of Travel Information: A Behavioural Perspective, Thomopoulos N., Givoni M, Rietveld P. eds. *ICT for transport: Opportunities and threats – NECTAR series on Transportation and Communications Research*, Edward Elgar, ISBN: 9781-78347-128-7

Benenson I., **Ben-Elia E.** Rofe Y., Rosental A. (2016), Estimation of Urban Transport Accessibility at the Spatial Resolution of an Individual Traveler, Thakuria P., Tilahun N., Zellner M. (eds.), Seeing Cities Through Big Data - Research, Methods and Applications in Urban Informatics, Springer. ISBN 978-3-319-40902-3

Fulman, N., Benenson I., **Ben-Elia E.** (2020), To quit or to cruise? Modeling parking search decisions based on serious games, Agents in Traffic and Transportation (ATT 2020) held in conjunction with ECAI 2020, Santiago de Compostela (ES), CEUR-WS.org, [http://ceur-ws.org/Vol-2701/paper\\_4.pdf](http://ceur-ws.org/Vol-2701/paper_4.pdf) (Accepted, 15/4/2020).

Shalit N., Fire M., **Ben-Elia E.** (2020) Imputation of Missing Boarding Stop Information in Smart Card Data with Machine Learning Methods. In: Analide C., Novais P., Camacho D., Yin H. (eds) Intelligent Data Engineering and Automated Learning – IDEAL 2020. IDEAL 2020. Lecture Notes in Computer Science, vol 12489. Springer, Cham. [https://doi.org/10.1007/978-3-030-62362-3\\_3](https://doi.org/10.1007/978-3-030-62362-3_3)

### **(c) Monographs and Edited volumes**

**Ben-Elia E.** (2011), *Route-Choice with Real Time Information: Behavior, Learning and Modeling*, Lambert Academic Press, Saarbrücken. ISBN 978-3-8443-1255-3.

**Ben-Elia E.** Ed. (2019), *The Evolving Impacts of ICT on Activities and Travel Behavior*, Advances in Transport Policy and Planning (Vol. 3), Elsevier, Cambridge, 337pp ISBN 9780128162132

### **• LECTURES AND PRESENTATIONS AT MEETINGS AND INVITED SEMINARS**

#### **(a) Presentations at international conferences/meetings**

European Transport Conference (2007, 2009, 2010)

European Regional Science Association (2018, 2019)

World Conference on Transportation Research (2007, 2010, 2016)

International Association for Travel Behaviour Research, (2009, 2012, 2015)

International Choice Modelling Conference (2009)

Triennial Symposium on Transportation Analysis, (2010, 2016)

Annual meeting of the Transportation Research Board (2008, 2010, 2011, 2012, 2013, 2015, 2016, 2017, 2018, 2020)

Association of Israeli Geographers (2013, 2014, 2015, 2016, 2017, 2018, 2019)

Universities Transport Studies Group (2014)

Mobile Tartu (2018)

NSF-funded Conference on Big Data and Urban Informatics (2014)

Network of communication and transport research (NECTAR) (2015, 2017, 2019)

European Regional Science Association (ERSA), (2015, 2019)

ABM Trans workshop (2016, 2017, 2018, 2019)

European Association of Research in Transportation (hEART) (2017)

Geocomputation (2017, 2019)

International Conference on Transport Survey Methods, Montreal (2017)

International Conference “Reliability and Statistics in Transportation and Communication” (2018)

International Conference on Integrated Transport (CITI), KTH, Stockholm (2019)

Conference on Geo-Information Science AGILE 2019, Limassol

International Workshop and Symposium on Research and applications on the use of massive passive data for public transport, TRANSITDATA, Paris (2019)

European Colloquium on Theoretical and Quantitative Geography 2019, 2021

Automated Vehicles Symposium 2019, Orlando

International Land Use Symposium on Land Use Changes, Trends and Projections, Paris (2019).

CIT19, the "International Conference on Integrated Transport 2019, KTH, Stockholm

Conference on Geo-Information Science AGILE 2019, Limassol.

International Symposium on the Use of Public Transit Automated Data for Planning and Operations, Toronto (2020)

11th International Workshop on Agents in Traffic and Transportation (ATT 2020)

21st International Conference on Intelligent. Data Engineering and Automated Learning - IDEAL 2020., Guimarães, Portugal (Virtual).

Sustainability and Emerging Transportation Technology (SETT) 2020 Conference (Virtual Forum).

Social Simulation Conference (Social Simulation and Games Track), 2021, Cracow (Virtual)

**(b) Invited presentations at international seminars and workshops**

Discrete Choice Modeling Workshop, EPFL, Switzerland (2009-2011)

Time Use Observatory Workshop, Santiago, Chile (2009)

Transportation Statistics Users Group (2011), London, UK

Impacts and Benefits of Smart Mobility (2012), Veolia Transport TransDev, Paris, France (Invited Expert)

Travel Behavior Dynamics Workshop (2013), University of Maryland, USA

Wild Cards for Future of European Transport Industries (2013), Tel Aviv University (Invited Expert).

COST Action – Transportation Equity Analysis (2013), Technion, Israel

ICT and Physical Mobility (2014), Imperial College London, UK (Invited Expert)

Advanced Traveler Information Systems, 94th annual meeting of the Transportation Research Board, Washington DC, USA (2015).

Ben-Gurion University, Decision Making and Economic Psychology Center Retreat (2015), Sde Boker, Israel.

Technology and Geography Workshop (2015), Ben-Gurion University of the Negev, Israel.

Innovation adoption modeling in transportation: innovative models and data (2015), Windsor, UK

Frontiers in Transportations (2015) – An update on social networks and travel, Windsor, UK

Workshop on Adaptive Transportation Systems, European Association of Research in Transport (hEART), Copenhagen, Denmark

Workshop on Smart Urban Mobility (2015), Napier University, Edinburgh, UK

NECTAR CL 8 workshop: Big data: a new opportunity for urban transport and mobility policies (2016). Sevilla, Spain

International Conference of the Association of China Planning, Peking University, Beijing

ICT, Activities, Time Use and Travel” – International Workshop, Nanjing University, Nanjing, China (2016).

International Symposium on Emerging and Shared Transportation Modes and Mobility Services, , Tel Aviv, Israel.

Lets Play! Inferring Travel Choices with Games and Virtual Reality, 96th annual meeting of the Transportation Research Board, Washington DC, USA.

Game-Based Modeling of Human-Driven Geographic Systems, Geocomputation, Leeds, (2017)

Analysis of Israeli Smartcard data, Big Data in Transportation workshop, Jerusalem, Israel (2018).

Analysis of Israeli Smartcard data, Big Data Applications in Transportation workshop, Haifa, Israel (2018)

Simulation of the Introduction of Shared Autonomous Vehicles, workshop on the Impacts of the Autonomous Vehicle Era on Land use and Urban Planning, Tel Aviv (2018)

Spatial and Temporal Estimation of the Service Reliability of Public Transportation Using Big Data and Open Source Tools, Chief Scientist Conference of the Survey of Israel (2018)

Adoption of the shared AV: Surveys, Simulations and Games, Chief Scientist Conference of the Ministry of Transport, Israel. (2019)

On modeling disruptive technologies using Serious Games, WISE-ACT COST Training School, Technion. (2019)

From Competition to Cooperation in Congested Traffic Networks, Advanced Brainstorm Carrefour (ABC)



organized by The Regional Science Academy (TRSA), Technion, Haifa. (2019)

Israeli Smart Transportation Students Conference (2020)

**(c) Seminar presentations at universities and institutions**

Technion - Israel Institute of Technology; Faculty of Civil and Environmental Engineering (2005, 2007, 2009)

Tel-Aviv University, Department of Psychology, Tel Aviv, Israel (2006)

ETH - Swiss Federal Institute of Technology, Zurich; Institute of Transport Planning and Systems (IVT), Zurich, Switzerland (2008).

University of Leeds Institute of Transport Studies, Leeds, UK (2008).

EPFL - Swiss Federal Institute of Technology, Lausanne, Transport and Operations Research Lab, Lausanne, Switzerland. (2008)

Utrecht University, Faculty of Geosciences, Department of Human Geography and Planning (2009)

Tel Aviv University, Department of Geography and Human Environment, Tel Aviv, Israel (2009, 2013)

University of the West of England, Department of Planning and Architecture, Centre for Transport and Society (2010)

University College London, Bartlett School of Planning, London, UK (2011)

Cardiff University, School of City and Regional Planning, Cardiff, Wales, UK (2012)

Hebrew University Jerusalem, Department of Geography, Jerusalem, Israel (2013)

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