



Sigal Kaplan

Associate Professor
Department of Geography
The Hebrew University of Jerusalem
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Education

Ph.D. in Transportation Engineering

Technion- Israel Institute of Technology, Haifa, Israel (2004-2010)
Dissertation title: “Development and estimation of a semi-compensatory with a flexible error structure: application to residential choice”
Advisors: Prof. Yoram Shiftan and Prof. Shlomo Bekhor

Master of Science in Transportation Engineering

Technion- Israel Institute of Technology, Haifa, Israel (1998-2000)
Dissertation title: “Scenario building for sustainable transportation in the Tel-Aviv metropolitan area using the Delphi method”
Advisors: Prof. Shalom Hakkert and Dr. Yoram Shiftan

Bachelor of Science in Civil Engineering

Technion- Israel Institute of Technology, Haifa, Israel (1994-1998)

Academic positions

Associate Professor

The Hebrew University of Jerusalem, Department of Geography, 2016-present

Eleonore Trefftz Guest Professor

Technical University of Dresden, Institute of Transport and Economics, 2014-2015

Associate Professor

Technical University of Denmark, Department of Transport, 2013-2017

Assistant Professor

Technical University of Denmark, Department of Transport, 2010-2013

Senior Research Fellow

Technion – Israel Institute of Technology, Transportation Research Institute, 2010

Chief Writer of Faculty Journal

Technion – Israel Institute of Technology, 2004-2008
Chief writer of the Civil and Environmental Engineering faculty journal

Teaching Assistant

Technion – Israel Institute of Technology, 2005

Graduate course “Advanced Econometrics” (assistant of Prof. Offer Lieberman) in the Faculty of Industrial Engineering and Management

Technion – Israel Institute of Technology, 2004

Undergraduate courses “Road Pavement Laboratory” (assistant of Prof. Jacob Uzan) and “Aerial transport” (assistant of Prof. Ilan Ishai) in the Faculty of Civil and Environmental Engineering

Technion – Israel Institute of Technology, 2003

Graduate course “Regional Economics 1” (assistant of Dr. Haim Aviram) in the Faculty of Architecture and Town Planning

Technion – Israel Institute of Technology, 1998-2000

Undergraduate courses “Public transport planning” (assistant of Dr. Yehezkel Israeli), “Aerial transport” (assistant of Prof. Ilan Ishai), “Road design”(assistant of Prof. Abishai Polus) and “Road Pavement Laboratory”(assistant of Prof. Jacob Uzan),in the Faculty of Civil and Environmental Engineering

Research Assistant

Technion – Israel Institute of Technology, Transportation Research Institute (1998)

Feasibility study of transportation in fast ferries along the coast of Israel (research advisor: Prof. Avishai Ceder)

Fellowship and Honors

Fellowships

Eleonore Trefftz Fellowship, German University Excellence program, 2014-2015

Awarded for a guest professor position at the Technical University of Dresden

Arthur M. Sills Doctoral Fellowship, Technion, 2007

Awarded for excellence during the doctoral research

Nate H. and Beatrice G. Sherman Fellowship, Technion, 2006

Awarded for excellence during the doctoral research

Marco and Louise Mitrani Memorial Fellowship, Technion, 2005

Awarded for excellence during the doctoral research

Technion Graduate Scholarship, 2004

Awarded for excellence during the doctoral research

Technion Graduate Scholarship, 1998-2002

Awarded for excellence during the masters research

Honors

The Engineer Michael Golan and Sarah Nets Award, 2010

Road Infrastructure and Transportation Planning Research Award

The 88th Annual Meeting of the Transportation Research Board, 2009

Honorable mention for an excellent presentation at the Doctoral Student Research in Transportation Modeling Seminar

The Israeli Association of Transport Research, 2007

Transportation Engineering Excellent Doctoral Thesis Award

Technion – Israel Institute of Technology, 1998

Technion Excellent Teaching Assistants Award (Spring Semester of 1998/9)

Technion – Israel Institute of Technology, 1998

Dean's Honor (Fall Semester of 1997/8)

Technion – Israel Institute of Technology, 1997

Dean's Honor (Spring Semester of 1996/7)

Technion – Israel Institute of Technology, 1994

Award for outstanding achievements among the undergraduate candidates of the Faculty of Civil and Environmental Engineering

Publications

Journal Papers

Prato, C.G., Kaplan, S., Patrier, A., Rasmussen, T.K., 2018. Considering built environment and spatial correlation in modelling injury severity for pedestrian crashes. *Traffic Injury Prevention*, 19, 88-93.

Bortei-Doku, S., Kaplan, S., Prato, C.G., Nielsen, O.A. 2017. Road signage comprehension and overload: the role of driving style and need for closure *Transportation Research Procedia*, Volume 24, 2017, Pages 442-449

Fetene, G.M., Kaplan, S., Mabit, S.L., Jensen, A.F., Prato, C.G., 2017. Harnessing big data for estimating the energy consumption and driving range of electric vehicles. *Transportation Research Part D: Transport and Environment*, 54, 1-11.

Fetene, G.M., Kaplan, S., Sebald, A.C., Prato, C.G., 2017. Myopic loss aversion in the response of electric vehicle owners to the scheduling and pricing of vehicle charging. *Transportation Research Part D: Transport and Environment*, 50, 345-356.

Janstrup, K.H., Kaplan, S., Barfod, M.B., Prato, C.G., 2017. Evaluating the police service quality for handling traffic accident reporting: a combined MCDA and LCA approach. *Policing: An International Journal of Police Strategies & Management*, 40, 410-425.

Kaplan, S., Janstrup, K.H., Prato, C.G., 2017. Investigating the reasons behind the intention to report cycling crashes to the police and hospitals in Denmark. *Transportation Research Part F: Traffic Psychology and Behaviour*, 44, 159-167.

Kaplan, S., Moraes Monteiro, M., Anderson, M.K., Nielsen, O.A., Medeiros Dos Santos, E., 2017. The role of information systems in non-routine transit use of university students: Evidence from Brazil and Denmark. *Transportation Research Part A: Policy and Practice*, 95, 34-48.

Barfod, M. B., Kaplan, S., Frenzel, I., & Klauenberg, J. 2016. COPE-SMARTER - A decision support system for analysing the challenges, opportunities and policy initiatives: A case study of electric commercial vehicles market diffusion in Denmark. *Research in Transportation Economics*, 55, 3-11

- Kaplan, S., Gruber, J., Reinthaler, M., & Klauenberg, J. 2016. Intentions to introduce electric vehicles in the commercial sector: A model based on the theory of planned behaviour. *Research in Transportation Economics*, 55, 12-19.
- Janstrup, K.H., Kaplan, S., Hels, T., Lauritsen, J., Prato, C.G., 2016. Understanding traffic crash under-reporting: linking police and medical records to individual and crash characteristics. *Traffic Injury Prevention*, 17(6), pp. 580-4.
- Kaplan, S., Prato, C.G., 2016. Observed and unobserved correlation between crash avoidance manoeuvres and crash severity, *International Journal of Injury Control and Safety Promotion*, 23:4, 413-426.
- Prato, C.G., Kaplan, S., Rasmussen, T.K., Hels, T., 2016. Infrastructure and spatial effects on the frequency of cyclist-motorist collisions in the Copenhagen Region, *Journal of Transportation Safety & Security*, 8(4), 346-360.
- Taubman - Ben-Ari, O., Kaplan, S., Lotan, T., Prato, C.G., 2016. The combined contribution of personality, family traits, and reckless driving intentions to young men's risky driving: what role does anger play? *Transportation Research Part F: Traffic Psychology and Behaviour* 42, 299-306.
- Weiss, H.B., Kaplan, S., Prato, C.G., 2015. Fatal and serious road crashes involving young drivers in New Zealand: a latent class clustering approach. *International Journal of Injury Control and Safety Promotion* 23(4), 427-443.
- Kaplan, S., Grunwald, L., Hirte, G., 2016. The effect of social networks and norms on the inter-regional migration intentions of knowledge-workers: The case of Saxony, Germany. *Cities*, 55, 61-69.
- Fetene, G.M., Hirte, G., Kaplan, S., Prato, C.G., Tsharaktschiew, S., 2016. The economics of workplace charging. *Transportation Research Part B: Methodological*, 88, 93-118.
- Kaplan, S., Prato, C.G., 2016. "Them or Us": perceptions, cognitions, emotions and overt behavior associated with cyclists and motorists sharing the road. *International Journal of Sustainable Transportation*, 10, 193-200.
- Kaplan, S., Nielsen, T.A.S., Prato, C.G., 2016. Walking, cycling and the urban form: A Heckman selection model of active travel mode and distance by young adolescents. *Transportation Research Part D: Transport and Environment*, 44, 55-65.
- Frenkel, A., Kaplan, S., 2015. The joint choice of tenure, dwelling type, size and location: the effect of home-oriented versus culture-oriented lifestyle. *Letters in Spatial and Resource Sciences*, 8, 233-251.
- Kaplan, S., Prato, C.G., 2015. A spatial analysis of land use and network effects on frequency and severity of cyclist-motorist crashes in the Copenhagen region. *Traffic Injury Prevention*, 16, 724-731.
- Kaplan, S., Manca, F., Nielsen, T.A.S., Prato, C.G., 2015. Intentions to use bike-sharing for holiday cycling: an application of the Theory of Planned Behavior. *Tourism Management*, 47, 34-46.
- Ramirez, J.S., Sierra, M.B., Alanis, A.K.J., Kaplan, S., Prato, C.G., 2015. The role of social climate in habitual transit use by young adults to work and leisure activities: Evidence from Colombia and Mexico. *Transportation Research Record*, 2512, 22-30.

- Taubman - Ben-Ari, O., Kaplan, S., Lotan, T., Prato, C.G., 2015. Parents' and peers' contribution to risky driving of male teen drivers. *Accident Analysis and Prevention*, 78, 81-86.
- Frenkel, A., Bendit, E., Kaplan, S., 2014. Knowledge-cities and transport sustainability: the link between the travel behavior of knowledge-workers and car-related job-perks. *International Journal of Sustainable Transportation*, 8 (3), 225-247.
- Kaplan, S., Abreu e Silva, J., Di Ciommo, F., 2014. The relationship between young people's transit use and their perceptions of equity concepts in transit service provision. *Transport Policy* 36, 79-87.
- Kaplan, S., Popoks, D., Prato, C.G., Ceder, A., 2014. Using connectivity for measuring equity in transit provision. *Journal of Transport Geography*, 37, 82-92.
- Sigurdardottir, S.B., Kaplan, S., Møller, M. 2014. The motivation underlying adolescents' intended time-frame for driving licensure and car ownership: a socio-ecological approach. *Transport Policy*, 36, 19-25.
- Wang, Y., Monzon, A., Di Ciommo F., Kaplan S., 2014. An integrated transport planning framework involving a combined utility-regret approach. *Transportation Research Record*, 2429, 59-66.
- Chataway, E.S., Kaplan, S., Nielsen, T.S.A., Prato, C.G., 2014. Safety perceptions and behavior related to cycling in mixed traffic: a comparison between Brisbane and Copenhagen. *Transportation Research Part F: Traffic Psychology and Behaviour*, 23, 32-43.
- Kaplan, S., 2014. Why book reviews? *Transport Reviews*, 34, 415-417.
- Kaplan, S., Vavatsoulas, K., Prato, C.G., 2014. Aggravating and mitigating factors associated with cyclist injury severity in Denmark. *Journal of Safety Research*, 50, 75-82.
- Prato, C.G., Kaplan, S., 2014. Bus accident severity and passenger injury: Evidence from Denmark. *European Transport Research Review*, 6 (1), 17-30.
- Prato, C.G., Rasmussen, T.K., Kaplan, S., 2014. Risk factors associated with crash severity on low-volume rural roads in Denmark. *Journal of Transportation Safety and Security*, 6 (1), 1-20.
- Weiss, H.B., Kaplan, S., Prato, C.G., 2014. Analysis of factors associated with injury severity in crashes involving young New Zealand drivers. *Accident Analysis and Prevention*, 65, 142-155.
- Frenkel, A., Bendit, E., Kaplan S., 2013. Residential location choice of knowledge-workers: the role of amenities, workplace and lifestyle. *Cities*, 35, 33-41.
- Frenkel, A., Bendit, E., Kaplan, S., 2013. The linkage between the lifestyle of knowledge-workers and their intra-metropolitan residential choice: a clustering approach based on self-organizing maps. *Computers, Environment and Urban Systems*, 39, 151-161.
- Kaplan, S., Prato, C.G., 2013. Cyclist-motorist crash patterns in Denmark: A latent class clustering approach. *Traffic Injury and Prevention*, 14, 725-733.
- Sigurdardottir, S.B., Møller, M., Kaplan, S., Teasdale, T.W., 2013. Understanding adolescents' intentions to commute by car or bicycle as adults. *Transportation Research Part D: Transport and Environment*, 24, 1-9.

- Kaplan, S., 2012. Auto-motives: understanding car use behaviours (Eds. Lucas, K., Blumenberg, E., Weinberger, R.). *Transport Reviews*, 32 (2), 260-261.
- Kaplan, S., Bekhor, S., Shiftan, Y., 2012. Web-based survey design for unraveling semi-compensatory choice in transport and urban planning. *Transportation Planning and Technology*, 35 (2), 121-143.
- Kaplan, S., Bekhor, S., Shiftan, Y., 2012. Development and estimation of a semi-compensatory model with a flexible error structure. *Transportation Research Part B: Methodological*, 46 (2), 291-304.
- Kaplan, S., Shiftan Y., Bekhor, S., 2012. Hybrid compensatory-noncompensatory choice sets in semicompensatory models. *Transportation Research Record*, 2322, 10-19.
- Kaplan, S., Prato, C.G., 2012. Closing the gap between behavior and models in route choice: the role of spatiotemporal constraints and latent traits in choice set formation. *Transportation Research Part F: Traffic Psychology and Behaviour*, 15 (1), 9-24.
- Kaplan, S., Prato, C.G., 2012. The application of the Random Regret Minimization model to drivers' choice of crash avoidance maneuvers. *Transportation Research Part F: Traffic Psychology and Behaviour*, 15 (6), 699-709.
- Kaplan, S., Prato, C.G., 2012. Braking news: the link between crash severity and crash avoidance maneuvers. *Transportation Research Record*, 2280, 75-88.
- Kaplan, S., Prato, C.G., 2012. Risk factors associated with bus accident severity in the United States: A generalized ordered logit model. *Journal of Safety Research*, 43 (3), 171-180.
- Kaplan, S., Prato, C.G., 2012. Associating crash avoidance maneuvers with driver attributes and accident characteristics: a mixed logit model approach. *Traffic Injury and Prevention*, 13 (3), 315-326.
- Kaplan, S., Bekhor, S., Shiftan, Y., 2011. Eliciting and estimating reservation price: a semi-compensatory approach. *Journal of Business Research*, 64 (1), 45-50.
- Kaplan, S., Bekhor, S., Shiftan, Y., 2011. Development and estimation of a semi-compensatory residential choice model based on explicit choice protocols. *Annals of Regional Science*, 47 (1), 51-80.
- Kaplan, S., Bekhor, S., Shiftan, Y., 2009. A two-stage model jointly revealing the determinants of non-compensatory conjunctive choice set formation and compensatory choice. *Transportation Research Record*, 2134, 153-163.
- Kaplan, S., Prato, C.G., 2007. Impact of BAC limit reduction on different population segments: a Poisson fixed effect analysis. *Accident Analysis and Prevention*, 39 (6), 1146-1154.
- Melzer, R., Kaplan, S., 2004. Personal security using public transport - the Israeli experience. *Public Transport International*, 53 (5), 40-41.
- Shiftan, Y., Kaplan, S., Hakkert, S., 2003. Scenario building as a tool for planning a sustainable transportation system. *Transportation Research D: Transport and Environment*, 8 (5), 323-342. Appeared in the Elsevier list of top 25 most requested papers (April 2002 - April 2004).

Books

Kaplan, S., 2010. *Development and estimation of flexible semi-compensatory choice models*. Lambert Academic Publishing, Saarbrücken, Germany.

Book chapters

- Christensen, L., Kaplan, S., Jensen, T.C., Røpke, S., Olsen, A., in press. The recharging infrastructure needs for long distance travel by electric vehicles: a comparison of battery-switching and quick-charging stations. In: Thill J.C. (Ed.), *Spatial Analysis and Location Modeling in Urban and Regional Systems*, Advances in Geographic Information Science, Springer, Heidelberg.
- Kaplan, S., 2013. Behavioral choice paradigms and their mathematical representation. In: Columbus, A. (Ed.), *Advances in Psychology Research Volume 96*, Nova Science Publishers, New York, NY, pp. 199-224.
- Prato, C.G., Kaplan, S., 2013. Driving on the edge: the motivational factors of risk-taking among teen drivers. In: Assailly, J.P. (Ed.), *Psychology of Risk-Taking*, Nova Science Publishers, New York, NY, pp. 115-138.
- Prato, C.G., Kaplan, S., 2012. Promoting safe transit: analyzing bus accident patterns. In: Prato, C.G. (Ed.), *Accidents: Risk factors, health outcomes and safety measures*, Nova Science Publishers, New York, NY, pp. 1-17.
- Shifan, Y., Kaplan, S., Hakkert, S., 2004. Scenario building for the future of the Tel-Aviv metropolitan area and its transportation system using the Delphi method. In: Beuthe, M., Himanen, V., Reggiani, A., Zamparini, L. (Eds.), *Transport Developments and Innovations in an Evolving World*, Berlin: Springer-Verlag, pp. 275-289.

Papers in international peer-reviewed conferences

- Tamara Kerzhner, Sigal Kaplan, Emily Silverman. 2018. Physical, Social, and Fear-Based Barriers to Mobility and Accessibility of Women in a Divided City: Palestinian Women in Jerusalem, Israel. *Proceedings of the 97th Annual Meeting of the Transportation Research Board, January 7-11, Washington, D.C.*
- Sigal Kaplan, Dagmara Wrzesinska, Carlo Prato. 2018. Role of Culture and Needs in Cycling Habits of Female Immigrants from a Driving-Oriented to a Cycling-Oriented Country. *Proceedings of the 97th Annual Meeting of the Transportation Research Board, January 7-11, Washington, D.C.*
- Guillermo Velázquez Romera, Sigal Kaplan, Andres Monzon Madrid. 2018. Ex Ante and Ex Post Evaluation of a New Transit Information App: Modeling Use Intentions and Actual Use. *Proceedings of the 97th Annual Meeting of the Transportation Research Board, January 7-11, Washington, D.C.*
- Sigal Kaplan, Dagmara Wrzesinska Carlo Prato. 2018. The Role of Existence, Relatedness, and Growth Needs in the Intention to Use Conventional and Electric Bikesharing in a Driving-Oriented Country. *Proceedings of the 97th Annual Meeting of the Transportation Research Board, January 7-11, Washington, D.C.*
- Luria, R., Kaplan, S. 2017. From road shares to road sharing: Cyclist-motorists interactions and its effect on cyclists' perceptions and willingness to share the road. *The 6th symposium arranged by European Association for Research in Transportation (hEART), 12-14 September, Haifa, Israel. .*

- Dastjerdi, A.M., Kaplan, S., de Abreu e Silva, J.A., Pereira, F.C., 2017. Participating in environmental loyalty program of real-time multimodal travel planner app: environmental, privacy and community resilience motivators. *Presented at the 57th ERSA Congress, August 29 – September 1, Groningen, The Netherlands.*
- Kerzhner, T., Natesh, M., Kaplan, S., Silverman, E. 2017. Physical, Historical and social walls: barriers to transit use in a divided city, Study of young Palestinians in East Jerusalem. *Presented at the 57th ERSA Congress, August 29 – September 1, Groningen, The Netherlands.*
- Kaplan, S. Salomon, I., Singer, M., Nachmani, O., Prato, C. 2017. How civil society generates critical mass in transportation? *Presented at the 57th ERSA Congress, August 29 – September 1, Groningen, The Netherlands.*
- Fisher, Feitelson, E., Kaplan, S. 2017. The role of community resilience and proactive participation on place attachment and migration intentions of creative Millennials. *Presented at the 57th ERSA Congress, August 29 – September 1, Groningen, The Netherlands.*
- Kerzhner, T., Natesh, M., Kaplan, S., Silverman, E. 2017. The role of geographic and fear-based exclusion on mode choice: the case-study of young Palestinians in East Jerusalem. *Presented at the 15th NECTAR International Conference, May 31 – June 2, Madrid, Spain*
- Kaplan, S., Wrzesińska, D., Nielsen, O.A., Prato, C.G., 2017. The role of existence, relatedness and growth in adapting from a car-oriented to a cycling-oriented culture. *Presented at the 15th NECTAR International Conference, May 31 – June 2, Madrid, Spain*
- Kaplan, S., Mikolasek, I., Bruhova, H., Janstrup, K.H., Prato, C.G., 2017. Attitudes, norms and difficulties underlying road sharing intentions as drivers and cyclists: Evidence from the Czech Republic. *Proceedings of the 96th Annual Meeting of the Transportation Research Board, January 8-12, Washington, D.C.*
- Prato, C.G., Kaplan, S., Patrier, A., Rasmussen, T.K., 2017. Considering built environment and spatial correlation in modelling injury severity for pedestrian crashes. *Proceedings of the 96th Annual Meeting of the Transportation Research Board, January 8-12, Washington, D.C.*
- Prato, C.G., Kaplan, S., Patrier, A., Rasmussen, T.K., 2017. Integrating police reports with geographic information system resources for uncovering multidimensional patterns of pedestrian crashes in Denmark. *Proceedings of the 96th Annual Meeting of the Transportation Research Board, January 8-12, Washington, D.C.*
- Sarker, R. I., Kaplan, S., Haustein, S., Nielsen, O.A., and Timmermans, H.J.P., 2016. Understanding transit user's intention to voluntarily share transit information through social media. *The 5th symposium arranged by European Association for Research in Transportation (hEART), 13-16 September, Delft, The Netherlands.*
- Bláfoss Ingvarðson, J., Nielsen, O.A., Kaplan, S., 2016 Evaluating transit passengers' satisfaction and knowledge propagation using the SERVQUAL modelling framework. *The 5th symposium arranged by European Association for Research in Transportation (hEART), 13-16 September, Delft, The Netherlands.*
- Bláfoss Ingvarðson, J., Kaplan, S., Y. Shiftan, Nielsen, O.A., Di Ciommo, F. and de Abreu e Silva, J., 2016. The relationship between the ERG model of human needs

- and modal choice. *The 5th symposium arranged by European Association for Research in Transportation (hEART), 13-16 September, Delft, The Netherlands.*
- Ramirez, J.S., Sierra, M.B., Alanis, A.K.J., Kaplan, S., Prato, C.G., 2016. The role of social climate in habitual transit use by young adults to work and leisure activities in Colombia and Mexico. *The 14th Conference of the Pan American Society of Transportation Research, Spetember 28-30, Mexico City, Mexico.*
- Moraes Monteiro, M., Anderson, M. K., Medeiros dos Santos, E., Nielsen, O.A., The role of information in transit use by young people in Recife, Brazil, and Copenhagen, Denmark. *The 14th Conference of the Pan American Society of Transportation Research, Spetember 28-30, Mexico City, Mexico.*
- Islam Sarker R., Sigal Kaplan, S., Haustein, S. Nielsen, O.A., 2016. The use of social media in public transport to understand the passenger preferences and increase the user satisfaction. *The 56th European Congress of the Regional Science Association International, 23-26 August, Vienna, Austria.*
- Wrzesinska, D., Sigal Kaplan, S., Prato, C.G., Nielsen, O.A., 2016. The role of existence, relatedness and growth in adapting from a car-oriented to a cycling-oriented culture. *The 56th European Congress of the Regional Science Association International, 23-26 August, Vienna.*
- Kaplan, S., Wrzesinska, D., Taubman-ben-ari, O., Prato, C.G., 2016. The relationship between cycling, self-concepts and emotional eating. *The 6th International Conference on Traffic and Transport Psychology, 02 - 05 August 2016 Brisbane, Queensland, Australia.*
- Kaplan, S., Prato, C.G., Nielsen, O.A. 2016. Road signage comprehension and overload: the role of driving style and need for closure – Shaun Bortei-Doku. *The 3rd Conference on Sustainable Urban Mobility (CSUM), May 26-27, Volos, Greece.*
- Fetene, G.M., Kaplan, S., Mabit, S.L., Jensen, A.F., Prato, C.G., 2016. Harnessing big data for estimating the energy consumption and driving range of electric vehicles. To be presented at the *95th Annual Meeting of the Transportation Research Board, January 10-14, Washington, D.C.*
- Janstrup, K.H., Kaplan, S., Hels, T., Lauritsen, J., Prato, C.G., 2016. Understanding traffic crash under-reporting: linking police and medical records to individual and crash characteristics. To be presented at the *95th Annual Meeting of the Transportation Research Board, January 10-14, Washington, D.C.*
- Kaplan, S., Janstrup, K.H., Prato, C.G., 2016. To report or not to report: applying the theory of planned behavior to understand the intentions to report cycling incidents by young adults. To be presented at the *95th Annual Meeting of the Transportation Research Board, January 10-14, Washington, D.C.*
- Kaplan, S., Nielsen, T.A.S., Prato, C.G., 2016. Youth walking and cycling: the relationship between active travel and urban form. To be presented at the *95th Annual Meeting of the Transportation Research Board, January 10-14, Washington, D.C.*
- Di Ciommo, F., Kaplan, S., Mitsakis, E., 2015. Individual accessibility: a new cost-effectiveness indicator for the use of smart cards. *Presented at the 55th European Congress of the Regional Science Association International, August 25-28, Lisbon, Portugal.*

- Grünwald, L., Hirte, G., Kaplan, S., 2015. The role of family and social networks and perceived job opportunities on regional migration intentions of young knowledge-workers in Germany. *Presented at the 55th European Congress of the Regional Science Association International*, August 25-28, Lisbon, Portugal.
- Abreu e Silva, J., Kaplan, S., Di Ciommo, F., Barrientos, M., 2015. Effects of residential land use patterns on students' use and perception of equity in transport. *Presented at the 14th International Conference on Travel Behaviour Research*, July 19-23, Windsor, UK.
- Fetene, G.M., Hirte, G., Tucharaktschiew, S., Kaplan, S., 2015. Three players Nash equilibrium game concerning the charging time and place of employees electric vehicles. *Presented at the 14th International Conference on Travel Behaviour Research*, July 19-23, Windsor, UK.
- Janstrup, K.H., Kaplan, S., Prato, C.G., 2015. The choice to report cycling crashes to the police and hospitals in Denmark: the role of attitudes, norms and perceived difficulty. *Presented at the 14th International Conference on Travel Behaviour Research*, July 19-23, Windsor, UK.
- Grünwald, L., Hirte, G., Kaplan, S., 2015. The effect of lifestyle, social networks and norms, job and residential opportunities, quality of life and place underlying the internal migration intentions of young knowledge-workers in Germany: A structural equation modeling approach. *Presented at the NECTAR Conference*, June 14-16, Ann Arbor, Michigan.
- Kaplan, S., Nielsen, T.A.S., Prato, C.G. 2015. The relationship between walking and cycling of youth and urban form as an indicator of the long-term resilience of Copenhagen as a cycling city. *Presented at the NECTAR Conference*, June 14- 16, Ann Arbor, Michigan.
- Barfod, M.B., Kaplan, S., Frenzel, I., Klauenberg, J. 2015. The market diffusion of electric vehicles in the commercial sector: an MAMCA swing-weight approach. *Presented at the WCTRS SIG G3, International Conference: Climate Change Targets and Urban Transport Policy*, April 13-14, Valletta, Malta.
- Kaplan, S., Gruber, J., Frenzel, I., Reinthaler, M., Klauenberg, J. 2015. Procurement intentions of electric vehicles in the commercial sector: a model based on the theory of planned behaviour. *Presented at the WCTRS SIG G3, International Conference: Climate Change Targets and Urban Transport Policy*, April 13-14, Valletta, Malta.
- Fetene, G.M., Kaplan, S., Sebald, A.C., Prato, C.G., 2015. Smart-grid charging of electric vehicles: EV-owner response to scheduling and pricing under myopic loss aversion in an ultimatum two-player game. *Proceedings of the 94th Annual Meeting of the Transportation Research Board*, January 11-15, Washington, D.C.
- Kaplan, S., Manca, F., Nielsen, T.A.S., Prato, C.G., 2015. Applying the Theory of Planned Behavior to understand the intentions to use bike-sharing for holiday cycling. *Proceedings of the 94th Annual Meeting of the Transportation Research Board*, January 11-15, Washington, D.C.
- Kaplan, S., Prato, C.G., 2015. A spatial analysis of land use and network effects on frequency and severity of cyclist-motorist crashes in the Copenhagen region. *Proceedings of the 94th Annual Meeting of the Transportation Research Board*, January 11-15, Washington, D.C.

- Prato, C.G., Kaplan, S., Rasmussen, T.K., Hels, T., 2015. Infrastructure and spatial effects on the frequency of cyclist-motorist collisions in the Copenhagen region. *Proceedings of the 94th Annual Meeting of the Transportation Research Board*, January 11-15, Washington, D.C.
- Salvá, J.R., Sierra, M.B., Alanís, A.K.J., Kaplan, S., Prato, C.G., 2015. The role of social climate in habitual transit use by young adults to work and leisure activities: Evidence from Colombia and Mexico. *Proceedings of the 94th Annual Meeting of the Transportation Research Board*, January 11-15, Washington, D.C.
- Taubman - Ben-Ari, O., Kaplan, S., Lotan, T., Prato, C.G., 2014. Parents' and peers' contribution to risky driving of male teen drivers. *Proceedings of the 94th Annual Meeting of the Transportation Research Board*, January 11-15, Washington, D.C.
- Alanís, A.K.J., Sierra, M.B., Salvá, J.R., Kaplan, S., Prato, C.G., 2014. The role of social climate in the intentions of young adults to travel by car or transit. Presented at the 54th European Congress of the Regional Science Association International, August 26-29, Saint Petersburg, Russia.
- Kaplan, S., Abreu e Silva, J., Di Ciommo, F., 2014. Transit use by young people in times of financial austerity: a cause of equity concern? *Presented at the 13th Conference of the Pan American Society of Transportation Research*, June 11-13, Santander, Spain.
- Manca, F., Kaplan, S., Prato, C.G., Nielsen, T.A.S., 2014. Factors related to tourist intentions to use bicycle-sharing as their holiday transport mode. *Presented at the 13th Conference of the Pan American Society of Transportation Research*, June 11-13, Santander, Spain.
- Wang, Y., Monzon, A., Di Ciommo, F., Kaplan, S., 2014. Regret theory-based scenario building using an interactive process. *Presented at the 13th Conference of the Pan American Society of Transportation Research*, June 11-13, Santander, Spain.
- Sigurdardottir, S.B., Kaplan, S., Møller, M., 2014. Gender differences in the travel behavior of adolescents and young adults in Denmark. *Proceedings of the 5th Conference on Women's Issues in Transportation*, April 14-17, Paris, France.
- Sigurdardottir, S.B., Kaplan, S., Møller, M., 2014. Now or later? Understanding adolescents' time-frame for their intentions to obtain a driving license and own a car. *Proceedings of the Transport Research Arena 2014*, April 14-17, Paris, France.
- Sigurdardottir, S.B., Kaplan, S., Møller, M., 2014. Gender differences in the travel behavior of adolescents and young adults in Denmark. *Proceedings of the Transport Research Arena 2014*, April 14-17, Paris, France.
- Janstrup, K.H., Hels, T., Kaplan, S., Sommer, H.M., Lauritsen, J., 2014. Understanding traffic crash under-reporting: linking medical records to individual and crash characteristics. *Proceedings of the Transport Research Arena 2014*, April 14-17, Paris, France.
- Janstrup, K.H., Kaplan, S., Hels, T., Prato, C.G., Lauritsen, J., 2014. Unraveling the relationship between injury types and traffic crash characteristics: an error component logit approach. *Proceedings of the Transport Research Arena 2014*, April 14-17, Paris, France.
- Chataway, E.S., Kaplan, S., Nielsen, T.A.S., Prato, C.G., 2014. Comparing safety perceptions between emerging and established cycling cities. *Proceedings of the 93rd*

- Annual Meeting of the Transportation Research Board*, January 12-16, Washington, D.C.
- Kaplan, S., Prato, C.G., 2014. Joint model of crash avoidance maneuvers and crash severity. *Proceedings of the 93rd Annual Meeting of the Transportation Research Board*, January 12-16, Washington, D.C.
- Popoks, D., Kaplan, S., Prato, C.G., Ceder, A., 2014. Using connectivity for measuring equity in transit provision. *Proceedings of the 93rd Annual Meeting of the Transportation Research Board*, January 12-16, Washington, D.C.
- Wang, Y., Monzon, A., Di Ciommo, F., Kaplan, S., 2014. Integrated transport planning framework involving a combined utility-regret approach. *Proceedings of the 93rd Annual Meeting of the Transportation Research Board*, January 12-16, Washington, D.C.
- Weiss, H., Kaplan, S., Prato C.G, 2014. Fatal and serious road crashes involving young drivers in New Zealand: A latent class clustering approach. *Proceedings of the 93rd Annual Meeting of the Transportation Research Board*, January 12-16, Washington, D.C.
- Weiss, H., Kaplan, S., Prato C.G., 2014. Risk factors associated with injury severity in crashes involving young drivers in New Zealand. *Proceedings of the 93rd Annual Meeting of the Transportation Research Board*, January 12-16, Washington, D.C.
- Kaplan, S., Chataway, E.S., Prato, C.G., Nielsen, T.A.S., 2013. Safety perceptions and behavior related to cycling in mixed traffic: a comparison between Brisbane and Copenhagen. *Presented at the 4th Nordic Organization for Research on Behaviour in Transportation (NORBIT) Conference on Transport Behavior*, 4-5 November 2013, Lyngby, Denmark.
- Kaplan S., Frenkel, A. 2013. Rethinking residential choices: does the housing crisis induce attitudinal changes? *Presented at the 53rd European Congress of the Regional Science Association International*, 27-31 August, Palermo, Italy.
- Popoks, D., Kaplan, S., Prato, C.G., Ceder, A., 2013. Connectivity for all: measuring spatial and vertical equity in transit provision. *Presented at the 53rd European Congress of the Regional Science Association International*, 27-31 August, Palermo, Italy.
- Hess, S., Daly, A., Dekker, T., Kaplan, S., Vuk, G., 2013. COMPAS: an activity based model for Copenhagen. *Presented at the XIII World Conference on Transport Research*, July 15-18, Rio de Janeiro, Brazil.
- Prato, C.G., Kaplan, S., 2013. Bus crash patterns in the United States: a clustering approach based on self-organizing maps. *Presented at the XIII World Conference on Transport Research*, July 15-18, Rio de Janeiro, Brazil.
- Vavatsoulas K., Kaplan, S., Prato, C.G., 2013. The risk factors associated with bicycle crash severity: evidence from Denmark. *Presented at the XIII World Conference on Transport Research*, July 15-18, Rio de Janeiro, Brazil.
- Kaplan, S., Chataway, E.S., Prato, C.G., Nielsen, T.A.S., 2013. Cycling in mixed traffic in Brisbane and Copenhagen: A model of risk perceptions, attitudes and behavior. *Presented at the NECTAR Conference*, June 16-18, St. Miguel, Azores, Portugal.

- Sigurdardottir, S.B., Møller, M., Kaplan, S., Teasdale, T.W., 2013. The role of attitudes, norms, and experience in adolescents' intentions to drive and cycle as future adults. *Presented at the NECTAR Conference*, June 16-18, St. Miguel, Azores, Portugal.
- Prato, C.G., Kaplan, S., 2013. Bus accident severity and passenger injury: evidence from Denmark. *Proceedings of the 92nd Annual Meeting of the Transportation Research Board*, January 13-17, Washington, D.C.
- Kaplan, S., Vavatsoulas, K., Prato, C.G., 2013. Cyclist injury severity in a cycling nation: evidence from Denmark. *Proceedings of the 92nd Annual Meeting of the Transportation Research Board*, January 13-17, Washington, D.C.
- Prato, C.G., Rasmussen, T.K., Kaplan, S., 2013. Risk factors associated with crash severity on low-volume rural roads in Denmark. *Proceedings of the 92nd Annual Meeting of the Transportation Research Board*, January 13-17, Washington, D.C.
- Kaplan S., Prato C.G., 2013. Them or us: perceptions, cognitions, emotions and overt behavior associated with cyclists and motorists sharing the road. *Proceedings of the 92nd Annual Meeting of the Transportation Research Board*, January 13-17, Washington, D.C.
- Frenkel, A., Bendit, E., Kaplan S., 2012. The joint choice of tenure, dwelling type and size: The effect of home-oriented versus culture-oriented lifestyle. *Proceedings of the 59th Annual North American Meetings of the Regional Science Association International*, November 7-10, Ottawa, Canada.
- Kaplan, S., Prato, C.G., 2012. The application of the Random Regret Minimization model to drivers' choice of crash avoidance maneuvers. *Proceedings of the XVII Pan-American Conference on Traffic and Transport Engineering and Logistic*, September 24-27, Santiago, Chile.
- Kaplan, S., Prato, C.G., 2012. Bus crash severity in the United States: The role of driver behavior, service type, road factors and environmental conditions. *Proceedings of the XVII Pan-American Conference on Traffic and Transport Engineering and Logistic*, September 24-27, Santiago, Chile.
- Kaplan, S., Prato, C.G., 2012. Multinomial-logit ordered-probit model for jointly analyzing crash avoidance maneuvers and crash severity. *Proceedings of the X Congreso de Ingeniería del Transporte (CIT)*, June 20-22, Granada, Spain.
- Frenkel, A., Bendit, E., Kaplan S., 2012. The joint choice of tenure, dwelling type and size: The effect of home-oriented versus culture-oriented lifestyle. *Proceedings of the 9th World Congress of Regional Science Association International*, May 9-12, Timisoara, Romania.
- Christensen, L., Kaplan, S., Jensen, T.C., Røpke, S., Olsen, A., 2012. Towards sustainable regions: the spatial distribution of electric vehicles' recharging stations from a socio-economic perspective. *Proceedings of the 9th World Congress of Regional Science Association International*, May 9-12, Timisoara, Romania.
- Kaplan, S., Prato, C.G., 2012. Associating crash avoidance maneuvers with driver attributes and accident characteristics: a mixed logit model approach. *Proceedings of the 91th Annual Meeting of the Transportation Research Board*, January 22-26, Washington, D.C.

- Kaplan, S., Prato, C.G., 2012. Braking news: the link between crash severity and crash avoidance maneuvers. *Proceedings of the 91th Annual Meeting of the Transportation Research Board*, January 22-26, Washington, D.C.
- Kaplan, S., Bekhor S., Shiftan Y., 2012. Representing hybrid compensatory non-compensatory choice set formation in semi-compensatory models. *Proceedings of the 91th Annual Meeting of the Transportation Research Board*, January 22-26, Washington, D.C.
- Bendit, E., Frenkel, A., Kaplan, S., 2011. Residential choice of knowledge-workers in a 'startup metropolis': the role of amenities, workplace and lifestyle. *Proceedings of the 51st European Congress of the Regional Science Association International*, August 30 - September 4, Barcelona, Spain.
- Bendit, E., Frenkel, A., Kaplan, S., 2011. Knowledge-workers and the sustainable city: The travel consequences of car-related job-perks. *Proceedings of the 51st European Congress of the Regional Science Association International*, August 30 - September 4, Barcelona, Spain.
- Kaplan S., Bekhor S., 2011. Exploring en-route parking type and parking-search route choice: decision making framework and survey design. *Proceedings of the 2nd International Choice Modelling Conference*, July 4-6, Leeds, England
- Bendit, E., Frenkel, A., Kaplan, S., 2011. The linkage between the residential choice and the lifestyle of knowledge workers: a self-organizing map approach. *Proceedings of the 12th International Conference on Computers in Urban Planning and Urban Management*, July 5-8, Lake Louise, Canada.
- Bendit, E., Frenkel, A., Kaplan, S., 2011. The linkage between car-related fringe benefits and the travel behavior of knowledge workers. *Proceedings of the 90th Annual Meeting of the Transportation Research Board*, January 23-27, Washington, D.C.
- Kaplan, S., Prato, C.G., 2010. Joint modeling of constrained path enumeration and path choice behavior: a semi-compensatory approach. *Proceedings of the European Transport Conference*, October 11-13, Glasgow, Scotland.
- Baron, M.G., Kaplan, S., 2010. The impact of 'studentification' on the rental housing market. *Proceedings of the 50th Anniversary European Congress of the Regional Science Association International*, August 19-23, Jönköping, Sweden.
- Kaplan, S., Shiftan, Y., Bekhor, S., 2010. A semi-compensatory residential choice model with flexible error structure. *Proceedings of the 50th Anniversary European Congress of the Regional Science Association International*, August 19-23, Jönköping, Sweden.
- Kaplan, S., Shiftan, Y., Bekhor, S., 2010. Development and estimation of a semi-compensatory model incorporating multinomial and ordered-response thresholds. *Proceedings of the 12th World Conference on Transport Research*, July 11-15, Lisbon, Portugal.
- Kaplan, S., Bekhor, S., Shiftan, Y., 2010. Unraveling semi-compensatory choice: data collection based on two-stage decision protocols. *Proceedings of the 12th World Conference on Transport Research*, July 11-15, Lisbon, Portugal.
- Kaplan, S., Bekhor, S., Shiftan Y., 2010. Un modelo semi-compensatorio de elección discreta, incorporando umbrales correlacionados y utilidad con coeficientes aleatorios. *Proceedings of the IX Congreso de Ingeniería del Transporte (CIT)*, July 7-9, Madrid, Spain.

- Kaplan, S., Shiftan, Y., Bekhor, S., 2009. Development and estimation of a semi-compensatory model with flexible error structure. *Proceedings of the 12th International Conference on Travel Behavior Research*, December 13-18, Jaipur, India.
- Kaplan, S., Bekhor, S., Shiftan Y., 2009. Elicitation and estimation of reservation price for multi-attribute products based on two-stage choice protocols. *Proceedings of the 2009 La Londe Conference in Marketing Communications and Consumer Behavior*, June 2-5, La Londe Les Maures, France.
- Kaplan, S., 2009. Development and estimation of a semi-compensatory model with a flexible error structure for household residential choice based on explicit choice protocols. *Presented at the Doctoral Student Research in Transportation Modeling Workshop of the 88th Annual Meeting of the Transportation Research Board*, January 11-15, Washington, D.C.
- Kaplan, S., Bekhor, S., Shiftan, Y., 2009. A two-stage model jointly revealing the determinants of non-compensatory conjunctive choice set formation and compensatory choice. *Proceedings of the 88th Annual Meeting of the Transportation Research Board*, January 11-15, Washington, D.C.
- Kaplan, S., Bekhor, S., Aviram, H., 2004. Impacto de la selección de función de impedancia de transporte en la partición modal y en la evaluación económica de proyectos de transporte. *Proceedings of the VI Congreso de Ingeniería del Transporte (CIT)*, June 23-25, Zaragoza, Spain.
- Kaplan, S., Shiftan, Y., Hakkert, S., 2001. Scenario building for the future of the Tel-Aviv metropolitan area and its transportation system using the Delphi method. *Proceedings of the 6th Nectar Conference*, May 16-18, Helsinki, Finland.

National Conferences

- Janstrup, K.H., Kaplan, S., Prato, C.G., 2015. The importance of attitudes, norms and experienced difficulties in reporting cycling accidents in Denmark (in Danish). *Presented at Trafikdage*, August 25-26, Aalborg, Denmark.
- Kaplan, S., Manca, F., Nielsen, T.A.S., Prato, C.G., 2014. Applying the Theory of Planned Behavior to Understand the Intentions to Use Bike-Sharing for Holiday Cycling. *Presented at the Annual Conference of the Israeli Geographical Association*, 21-23 December, Haifa, Israel.
- Manca, F., Kaplan, S., Prato, C.G., Nielsen, T.A.S., 2014. Intentions to use bike-sharing for holiday cycling: an application of the Theory of Planned Behavior. *Presented at Trafikdage*, August 25-26, Aalborg, Denmark.
- Prato, C.G., Kaplan, S., Hels, T., Rasmussen, T.K., 2014. Infrastructure and spatial effects on the frequency of cyclist-motorist collisions in the Copenhagen region. *Presented at Trafikdage*, August 25-26, Aalborg, Denmark.
- Sigurdardottir, S.B., Kaplan, S., Møller, M., 2013. Mode choice of 15 year old Danes – a qualitative study. *Presented at the Conference on Strategic Research in Transport and Infrastructure*, June 11-12, Kgs. Lyngby, Denmark.
- Sigurdardottir, S.B., Kaplan, S., Møller, M., Teasdale, T.W., 2013. 'We are the future': understanding adolescents' intentions to commute by car or bicycle as adults.

- Presented at the Conference on Strategic Research in Transport and Infrastructure, June 11-12, Kgs. Lyngby, Denmark.*
- Janstrup, K.H., Hels, T., Kaplan, S., 2013. Estimating the number of road accidents in Denmark: An application of the capture-recapture method. *Presented at the Conference on Strategic Research in Transport and Infrastructure, June 11-12, Kgs. Lyngby, Denmark.*
- Lyckegaard, A., Hels, T., Kaplan, S., Bernhoft, I.M., Prato, C.G., 2013. Modeling accident frequency in Denmark for improving road safety. *Presented at the Conference on Strategic Research in Transport and Infrastructure, June 11-12, Kgs. Lyngby, Denmark.*
- Prato, C.G., Rasmussen, T.K., Kaplan, S., 2013. Risk factors associated with crash severity on low-volume rural roads in Denmark. *Accepted for presentation at the Conference on Strategic Research in Transport and Infrastructure, June 11-12, Kgs. Lyngby, Denmark.*
- Kaplan, S., Prato, C.G., 2012. Them or us: perceptions, cognitions, emotions and overt behavior associated with cyclists and motorists sharing the road. *Presented at the 53rd Annual Conference of the Israeli Geographical Association, December 9-11, Beer-Sheva, Israel.*
- Wind, S. Jensen, O.B., Kaplan, S., Prato, C.G., 2012. Paving the road from transport models to “new mobilities” models. *Proceedings of the Trafikdage conference, August 27-28, Aalborg, Denmark.*
- Thorhauge, M., Vuk, G., Kaplan, S., 2012. ACTUM project: joint activities and travel of household members. *Proceedings of the Trafikdage conference, August 27-28, Aalborg, Denmark.*
- Frenkel, A., Kaplan, S., Bendit, E., 2012. The linkage between active versus home-oriented lifestyle on the location choice and housing preferences of knowledge-workers. *Proceedings of the Annual Conference of the Regional Science Association International – The Israeli Branch, Hebrew University - Faculty of Agriculture, Food and Environment, February 7, Rehovot, Israel.*
- Kaplan, S., Prato, C.G., 2011. Closing the gap between behavior and models in route choice: the role of spatiotemporal constraints and latent traits in choice set formation. *Presented at the 52nd Annual Conference of the Israeli Geographical Association, December 25-27, Tel-Aviv, Israel.*
- Bendit, E., Frenkel, A., Kaplan, S., 2010. The linkage between car-related fringe benefits and the travel behavior of knowledge workers. *Presented at the Annual Conference of the Regional Science Association International – The Israeli Branch, November 28, Haifa, Israel*
- Bendit, E., Frenkel, A., Kaplan, S. 2010. The linkage between the lifestyle of knowledge workers and their residential choice. *Presented at the Annual Conference of the Regional Science Association international – The Israeli Branch, November 28, Haifa, Israel.*
- Kaplan, S., Bekhor, S., Shiftan, Y., 2010. A semi-compensatory choice model with a flexible error structure: implementations in transportation. *Presented at the Annual Conference of the Israeli Association of Transportation Research, April 22, Tel-Aviv, Israel.*

- Kaplan, S., Bekhor, S., Shiftan, Y., 2010. A semi-compensatory residential choice model with a flexible error structure. *Presented at the Annual Conference of the Regional Science Association International - The Israeli Branch*, January 10, Tel-Aviv, Israel.
- Kaplan, S., Shiftan, Y., Bekhor, S., 2008. A semi-compensatory model for residential choice. *Presented at the Annual Conference of Regional Science Association International - The Israeli Branch*, April 15-16, Beer-Sheva, Israel.
- Kaplan, S., Shiftan, Y., Bekhor, S., 2007. A residential location choice model. *Presented at the 5th Annual Conference of the Israel Union of Construction and Infrastructure Engineers*, October 29-30, Tel Aviv, Israel.

Invited Presentations and Workshop Contributions

- Sigal Kaplan, Location-based to person-based: what is the difference and what are the latent barriers? The Hebrew University of Jerusalem. Workshop on “Mind the Gap: Can Inclusive Cities Bridge Social Equity Disparities?” The 97th Annual Meeting of the Transportation Research Board, January 7-11, Washington, D.C.
- Kaplan, S. 2017. Combining transportation research and sociological theories: The role of empathy and social interaction road behavior of cyclists and motorist. hEART 2017 PhD Summer School, 11 September, Haifa, Israel.
- Mikolášek, I., Kaplan, S., Hyldekær Janstrup, K., Prato, C.G., Brůhová, H., 2016. Promoting cycling for women: factors affecting the willingness to cycle in mixed traffic in the Czech Republic. *The NECTAR Joint Cluster 1 and Cluster 6 International Workshop. 20-21 October 2016, Warsaw, Poland.*
- Wrzesinska, D., Kaplan, S., Prato, C.G., Nielsen, O.A. 2016. What motivates immigrants to adapt to a cycling-oriented culture? The role of existence, relatedness and growth needs. *The NECTAR Joint Cluster 1 and Cluster 6 International Workshop. 20-21 October 2016, Warsaw, Poland.*
- Hyldekær Janstrup, K., Kjær Rasmussen, T., Kaplan, S., Shiftan, Y., Nielsen, O.A., 2016. Existence, relatedness and personal growth as motivators to participation in the Danish bike-to-work campaign. *The network of cities CIVINET Czech and Slovak Republics and the Transport Research Centre (CDV), Second Czech – Slovak Conference, 19 May 2016, Brno, Czech Republic.*
- Hyldekær Janstrup, K., Kjær Rasmussen, T., Kaplan, S., Shiftan, Y., Nielsen, O.A., 2016. Existence, relatedness and personal growth as motivators to participation in the Danish bike-to-work campaign. *NECTAR Joint Cluster 2 and Cluster 3 International Workshop, 17–18 May 2016, Brno, Czech Republic.*
- Wrzesinska, D., Kaplan, S., Prato, C.G., Nielsen, O.A. 2016. Existence, relatedness and growth as motivators for electric-bike use in the transition from a car- to a cycling-oriented culture. *WEBikeC 2016: Workshop on electric bicycle commuting, 9-10 June 2016, Ghent, Belgium.*
- Kaplan, S., 2015. The Development of Semi-compensatory Models and Their Application to Residential and Transport Choices. Colloquium of the Faculty of Economics in TU-Dresden (Kolloquium der Fakultät Wirtschaftswissenschaften), January 27, Dresden, Germany.
- Kaplan, S., Abreu e Silva, J., Di Ciommo, F., 2014. Motivating factors and barriers for transit use and its perceived fairness among young people in Denmark, Portugal and

- Spain. *Nectar Joint Cluster Meeting: Policy and Environment - Transport Security and Vulnerability*, April 30-May 1, Beer Sheva, Israel.
- Manca, F., Kaplan, S., Prato, C.G., Nielsen, T.A.S., 2014. Factors related to tourist intentions to use bicycle-sharing as their holiday transport mode. *Nectar Joint Cluster Meeting: Policy and Environment - Transport Security and Vulnerability*, April 30-May 1, Beer Sheva, Israel.
- Frenkel, A., Kaplan, S., 2013. The effect of leisure activities as a lifestyle choice on the housing preferences of knowledge workers in an era of global recession. *Presented at the Bilateral Workshop of the Israeli and the Netherlands Sections of the Regional Science Association on Regional Impacts of the Global Crisis*, October 3-4, Groningen, Netherlands.
- Kaplan, S., Frenkel, A., 2013. The theory of planned behavior and residential choice: Does the housing crisis induce attitudinal changes? *Presented at the Bilateral Workshop of the Israeli and the Netherlands Sections of the Regional Science Association on Regional Impacts of the Global Crisis*, October 3-4, Groningen, Netherlands.
- Christensen, L., Kaplan, S., Jensen, T.C., Røpke, S., Olsen A., 2012. The recharging Infrastructure needs for a large market share of electric vehicles. *Presented at the NECTAR Cluster 2 Workshop on Urban and Regional Transport, Regulation Sustainability and E-Mobility*, February 10-11, Dresden, Germany.
- Bendit, E., Frenkel, A., Kaplan, S., 2011. The linkage between the lifestyle of knowledge workers and their intra-metropolitan residential choice. *Presented at the Regional Science Association Tripartite Workshop, British and Irish – Israeli – Netherlands Sections*, May 2-4, London, England.
- Kaplan, S., 2010. Development and estimation of a semi-compensatory model with flexible error structure. *Presented at the Technical University of Denmark*, May 27, Lyngby, Denmark.
- Kaplan, S., Shiftan, Y., Bekhor, S., 2009. Development and estimation of a semi-compensatory model with flexible error structure. *Presented at the Advances in Transportation Modeling Workshop, Technion – Israel Institute of Technology*, November 11, Haifa, Israel.
- Kaplan, S., Shiftan, Y., Bekhor, S., 2009. Development and estimation of a semi-compensatory model with flexible error structure. *Presented at the Fifth Workshop on Discrete Choice Models, Ecole Polytechnique Federale de Lausanne*, August 27-29, Lausanne, Switzerland.
- Kaplan, S., Shiftan, Y., Bekhor, S., 2006. Planning for people: the development of a residential choice model. *Presented at the Annual Meeting of the Technion's Board of Governors*, June 3, Haifa, Israel.

Technical Research Reports

- Shiftan, Y., Kaplan S., Hakkert, S., 2002. Scenario building for sustainable transportation in the Tel-Aviv metropolitan area using the Delphi method. *Transportation Research Institute, scientific report number 289-2002*.

Rubin, H., Ceder, A., Biran, A., Mehraz, A., Kaplan, S., 1999. Feasibility study of transportation in fast ferries along the coast of Israel. *Transportation Research Institute, scientific report number 270-99.*

Reviewing activities

Editorial board member

- Transport Reviews – book editor
- Journal of Sustainability & Environmental Management

Journal reviewer

- Accident Analysis and Prevention
- African Journal of Business Management
- Applied Ergonomics
- Applied Geography
- Case Studies on Transport Policy
- Computers, Environment and Urban Systems
- Cities
- Energy Economics
- Entropy
- EURO Journal on Transportation and Logistics
- European Transport Research Review
- International Journal of Sustainable Transportation
- IATSS Research
- Journal of Choice Modelling
- Journal of Transport Geography
- Journal of Transport & Health
- Journal of Urban Technology
- Sustainability
- Transport Policy
- Transportation Research Part A: Policy and Practice
- Transportation Research Part B: Methodological
- Transportation Research Part C: Emerging Technologies
- Transportation Research Part D: Emerging Technologies
- Transportation Research Record: Journal of the Transportation Research Board
- Transportmetrica Part A: Transport Science

- Transport Reviews
- Urban Studies

Conference reviewer

- 13th Conference of the Pan American Society of Transportation Research, 2014
- Transportation Research Board Annual Meeting:
 - Committee on Transportation Demand Forecasting (ADB40), 2010-2017
 - Committee on Transportation in the Developing Countries (ABE90), 2012-2017
 - Committee on Bicycle Transportation (ANF20), 2013-2017
 - Committee on Social and Economic Factors of Transportation (ADD20) – 2014
 - Committee on Safety Data Analysis and Evaluation (ANB20) - 2014
- The 6th symposium arranged by European Association for Research in Transportation (hEART), 2017.
- International Conference on Women's Issues in Transportation, 2014
- Computers in Urban Planning and Urban Management Conference, 2011
- World Conference of Transport Research Society, 2010
- International Association on Travel Behavior Research Conference, 2009

Reviewer and opponent in exams of doctoral theses

- Eva Valeri, Università degli Studi di Trieste, April, 2013 (thesis review)
- Andras Munkacsy, Universidad Politècnica de Madrid, September, 2017 (thesis review and exam)
- Begoña Muñoz López, Universidad Politècnica de Madrid, June, 2017 (thesis review and exam)
- Höskuldur Kröyer, Accidents between Pedestrians, Bicyclists and Motorized Vehicles: Accident Risk and Injury Severity, Lund University, September 2015, Thesis review and exam (invited by Prof. András Várhelyi)
- Cristina Valdès Serrano, Universidad Politècnica de Madrid, December, 2012 (thesis review and exam)
- Yang Wang, Universidad Politècnica de Madrid, October, 2013 (thesis review and exam)

Research activities

Principal investigator

- SELECT (Suitable Electromobility for Commercial Transport), Danish Council for Strategic Research, 2014-present

Co-investigator

- Improving road safety, Danish Council for Strategic Research, 2012-present
- Drivers and limits – Drivers and limits in the transport development – possible contributions to climate change, Danish Council for Strategic Research, 2012-present
- Danish national transport model, Danish Ministry of Transport, 2012-present
- Analyses of activity-based travel chains and sustainable mobility (ACTUM), Danish Council for Strategic Research, 2011-present
- Tools for transport forecasting and scenario testing (TRANSTOOLS 3), Seventh Framework Programme of the European Commission, 2012-present

Teaching activities

Regular graduate courses

TU-Dresden (2014)

- Behavioral choice paradigms and their mathematical representation

DTU Transport (2011-2014)

- Advanced planning and optimisation of public transport
- Advanced topics in strategic public transport planning
- Introduction to transport models
- Publishing research in transportation science

Special reading graduate (individual) courses

DTU Transport (2011-2014)

- Research and innovations in sustainable mobility, Autumn 2011
- Advanced modeling in traffic safety, Spring 2012
- Advanced data analysis techniques in safety research, Autumn 2012
- Cyclists' safety in Denmark and Australia, Autumn 2012
- Advanced modelling in traffic safety, Spring 2013
- Methods and tools for analyzing small samples in transport behavior research, Spring 2013
- Advanced public transport planning, Spring 2014
- Effects of cycling campaigns in Odense, Spring 2014.

Training schools

- TEA International Training School on “Equity in Transportation: Theory, methods and Practices”, Thessaloniki, Greece, May 4-7, 2015.

Student supervision

Hebrew University of Jerusalem (2017)

- M.Sc. thesis of Tamara Kerzhner (2017)
- M.Sc. thesis of Ravid Luria (2017)
- Doctoral thesis of Rumana Sarker Islam (co-supervisor with University of Innsbruck, 2017)
- Doctoral thesis of Guillermo Velasquez (co-supervisor with Prof. Andrés Monzón de Cáceres, Universidad Politécnica de Madrid, 2017)
- Doctoral thesis of Aliasghar Mehdizadeh Dastjerdi (co-supervisor with Prof. Francisco Camara-Pereira, technical University of Denmark, 2017)

DTU Transport (2016)

- Doctoral thesis of Jesper Bláfoss Ingvardson (2017)
- Doctoral thesis of Gebeyehu Manie Fetene (2016)
- Doctoral thesis of Kira Hyldekær Janstrup (2015)
- M.Sc. thesis of Peter Yi Huai (2016)
- M.Sc. thesis of Alexandre Patrier (2016)
- M.Sc. thesis of Dagmara Wrzesinska (2016)
- M.Sc. thesis of Shaun Bortei-Doku (2016)
- M.Sc. thesis of Francesco Manca (2014)
- M.Sc. thesis of Dmitrijs Popoks (2013)
- M.Sc. thesis of Kostas Vavatsoulas (2016)

Technion – Israel Institute of Technology (2010-2012)

- External consultant in the doctoral thesis of Edward Bendit

Hosting of visiting scholars

- Guillermo Velasquez, doctoral student from the Universidad Politécnica de Madrid, Spain, Winter 2017
- Rumana Islam Sarker, doctoral student from the University of Innsbruck, Innsbruck, Austria, Spring 2016
- Mayara Moraes Monteiro, Master Student from the Universidade Federal de Pernambuco, Recife, Brazil, Autumn 2016
- João António de Abreu e Silva, Assistant Professor, Instituto Superior Técnico, Lisboa, Autumn 2014
- Yang Wang, doctoral student from the Universidad Politécnica de Madrid, Autumn 2012

Teaching seminars

- Kaplan S., 2012. The same course in two versions - with different teaching method: a comparison. *Presented at the DTU Teaching Biennale*, November 6, Lyngby, Denmark.

- Kaplan S., 2012. The same course in two versions - with different teaching method: a comparison. *Presented at the DTU Teaching and Learning Module 3 course*, November 12, Denmark.

Public professional activities

- Member of the Association for European Transport ‘Sustainability and Climate Change’ Committee, 2014
- Member of the scientific committee of the International Conference on Women’s Issues in Transportation, 2014
- Member of the management committee of the TUD COST Action TU1305: Social networks and travel behavior. 2014-present
- Member of the management committee of the COST action TU1209:TEA - Transport Equity Analysis: assessment and integration of equity criteria in transportation planning, 2013-present
- Member of the scientific committee of the conference Computers in Urban Planning and Urban Management Conference, 2011
- Board member, Israeli Association of Transportation Research, 2010-2011
- Member of the COST action TU0804: SHANTI (Survey HARmonisation with New Technologies Improvement), European Science Foundation, 2010
- Member of the Modeling Committee, Israel Ministry of Transport, 2003

Chairing of Sessions at International Conferences

- Infrastructure, Transportation or Accessibility (G05-O2). Thursday, June 31st., 57TH ERSO Congress, Groningen, 29 August- 1 September 2017.
- Cycling and transport sustainable options. Thursday June 1, NECTAR XIV International Conference, May 31st – June 2nd, 2017. Madrid, Spain Madrid, Spain.
- Ingeniería del tráfico (session 1) - Conference of the Pan American Society of Transportation Research, June 11-13, Santander, Spain, 2014.
- Logística y transporte de mercancías (Session 2) - Conference of the Pan American Society of Transportation Research, June 11-13, Santander, Spain, 2014.
- Políticas de transporte sostenible (session 8) - Conference of the Pan American Society of Transportation Research, June 11-13, Santander, Spain, 2014.
- System Analysis 1 (session T-TB-1) - The 12th International Conference on Computers in Urban Planning and Urban Management, July 5-8, Lake Louise, Canada, 2011.
- Travel Demand Modelling (Session D1.1) - The 12th World Conference on Transport Research, July 11-15, Lisbon, Portugal, 2010.
- Analyzing Time Use Behavior (Session S5) - The 12th International Conference on Travel Behavior Research, December 13-18, Jaipur, India, 2009.

Membership in professional associations

- International Association for Travel Behavior Research, 2009-present
- NECTAR, 2012-present
- Regional Science Association International, 2010-present
- Israel Association of Transportation Research, Board member 2009-2010
- Israel Geographical Association, 2012-present
- Israel Union of Construction and Infrastructure Engineers, 2008-2010

Professional experience

Consultant

A.B. Plan Ltd., Israel, 2002-2003

Collaboration and consultancy in transportation planning projects conducted in Israel:

- Master plan of the Beer-Sheva metropolitan area
- Economic consultancy for the electrification master plan of Israel Railways
- Demand analysis for additional train lines and stations for Israel Railways
- Feasibility analysis for road design projects in the north of Israel
- Master plan for the Haifa Bay
- Upgrading and calibration of the Haifa Metropolitan Area transport - modal split and assignment model

Israel Institute of Transport Planning and Research Ltd, 2001-2002

Collaboration and consultancy in transportation planning projects conducted in Israel:

- Master plan of the Tel-Aviv metropolitan area
- Demand analysis for additional train lines and stations for Israel Railways
- Implementation analysis of the light rail model in the Tel Aviv metropolitan area
- Guidelines for planning intermodal transport centers
- Public transport re-organization for the Public Transport Administration of the Tel-Aviv metropolitan area

Personal development and skills

Personal development

- Course in Project Management, 2013
- Supervision of Larger Projects at DTU, May 2, 2012
- Teaching International Students Workshop on Effective Learning for students, Effective Targeting of Issues, and Student integration issues, April 11, 2011

- Courses in Education for University Teaching, 2011-2012
 - Module 1: Teaching and Learning
 - Module 2: Teaching Methods and Planning
 - Module 3: Feedback and Evaluation
 - Module 4: Teaching Development Project

Computer skills

STATA, EVIEWS, SPSS, TRANSCAD, EMME2, GAUSS, BIOGEME, SAS, ALOGIT

Languages

	Speaking	Reading	Writing
Hebrew (mother tongue)	Fluently	Fluently	Fluently
English	Fluently	Fluently	Fluently
Spanish	Fluently	Fluently	Very good