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Yossi Berechman

## **CURRICULUM VITAE**

### **Address:**

Prof. Emeritus, Tel Aviv University

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### **Education:**

Ph.D. 1973, University of Pennsylvania, Philadelphia, USA

MBA, 1970, The Wharton School, University of Pennsylvania, Philadelphia, USA

BA, 1967, Hebrew University of Jerusalem, Israel

### **Major Areas of Interest:**

Transportation and Urban Economics

Public Finance and Investments

Urban Policy Analysis

Transportation Planning and Policy

**Positions Held:**

Presently: Professor and Chairman Department of Economics, CCNY, The City University of NY

2004-2007: CN Chair Professor in Transportation and International Logistics, Sauder School of Business and SCARP, University of British Columbia, Canada, Vancouver, Canada.

1992-Present, Professor and Senior Research Associate, University Transportation Research Center, The City University of New York, NY, USA.

1976-2004: Professor of Public Policy and Transportation Economics, Tel-Aviv University, Israel

1998-2002: Professor and Chairman the Public Policy Department, Tel-Aviv University, Israel

1993-1996: Head, Transportation Management and Research Institute, Recanati School of Business Administration, Tel Aviv University

1994-1997: Fellow, The Tinbergen Institute for Economic Research, The Netherlands.

Spring 1993: Winter 1994: Visiting Professor, Graduate Program in Transportation Economics, Universidad Carlos III, Madrid, Spain

1991-1992: Fellow, The Netherlands Institute for Advanced Study, Wassenaar, The Netherlands.

Summer 1991: Visiting Scholar, Graduate School of Policy and Urban Planning, University of California at Los Angeles, USA.

Summer 1998-1990: Visiting Professor, Rockefeller School of Public Affairs and the Department of Economics, State University of New York at Albany.

1985: Visiting Associate Professor, Faculty of Social Sciences, State University of New York at Buffalo, USA.

1983-1986: Adjunct Senior Lecturer, Institute of Urban Studies, Faculty of Social Sciences, Hebrew University, Jerusalem, Israel.

1980-1983: Associate Professor, Department of Economics and Institute of Transportation Studies, University of California at Irvine, USA

1976-1980: Lecturer, Center for Urban and Regional Studies, Faculty of Social Sciences, Tel-Aviv University, Israel

**Positions Held (Continued):**

1976-1979: Adjunct Lecturer, Urban and Regional Planning Division, School of Architecture, Technion, Haifa, Israel

1973-1976: Assistant Professor, Transportation Systems Group, Department of Civil Engineering, State University of New York at Buffalo, USA.

1972-1973: Instructor, Graduate School of Arts and Sciences, Department of City and Regional Planning University of Pennsylvania, Philadelphia, USA

**Major Consulting and Professional Activities:**

University Transportation Research Center Region 2, (2007-2009), “Transportation Infrastructure Investment and Economic Development”

Associate Editor, Journal of Transportation Research A, (1993-2006).

Israel Ministry of Transportation: “Franchising of Bus Transit Services” (2005-2006).

Partnership for New York City, Principal Investigator: “Transportation Choices and the Future of the New York City Economy”, (2003).

New Jersey Department of Transportation, Principal Investigator: “Study of the Full Marginal Costs of Highway Transportation in New Jersey”, (2002-2006).

European Union, Principal Investigator: “Implementation of Marginal Cost Pricing in Transport – Integrated Conceptual and Applied Model Analysis”, (2000-2003).

Fredric R. Harris, Inc: “Northeast Intermodal Transportation Corridor”, (1999-2001), “Economic analysis of a planned freight corridor”.

Advisor, Israeli Ministry of transport, (2000-present): “Liberalization of the Bus Transit System in Israel”.

Advisor, the Israeli Ministry of Transport, (2000-present): “Committee on Model Development for Large-Scale Transportation Planning”.

Advisor, Netherlands Ministry of Transport, (1997-1999): "Methodology and Measurement of Airport Quality from Airlines' Viewpoint and its Effect on Airline's Choice of a Primary West-European Hub Airport”.

Advisor, Netherlands Ministry of Transport, (1995-1997): "Optimal Hub Policy Affecting Aircraft Movement and Hub Choice by Airlines”.

**Major Consulting and Professional Activities** (continued):

Advisor, Netherlands Ministry of Transport, (1993-1995): "Aviation Markets Liberalization in Europe".

UK Council for Scientific Research, (1995-1996): "Infrastructure Investment and Urban Economic Development".

Advisor to Cross-Israel Highway LTD. (1993-1996): "Transportation Economics and Policy Analysis".

University Transportation Research Center, City University of New York, (1992-96): "Effect of Large Scale Transportation Projects on Urban Economic Growth and Labor Markets,"

Editorial Advisory Board, Journal of Transportation Research: (1990 -1992).

European Science Foundation (1986-1992): International Network on Transportation, Communication and Mobility; Sub-Group on Deregulation Policy

Israel Ministry of Transportation (1989-1990): Committee on Restructuring the State's Public Transit System

Israel Shipping and Aviation Research Institute, (1987-1990): "Factor Productivity in International Aviation",

Israel National Committee for the Evaluation of the Proposed Large Scale Rail Project to the Red Sea (1986)

Israel Shipping and Aviation Research Institute (1984-1987): "Labor Productivity in the Aviation Sector".

The Pinhas Sapir Center for Development (1983-1984): Analysis of Factor Productivity in Mass Transit

The Pinhas Sapir Center for Development (1982-1983): Subsidy and Fare Policies in Public Transportation

Israel Institute for Transportation Planning and research (1982-1984): Advisory Committee on Subsidy for Bus Transit

1978-1984: Scientific Advisor, Israel Institute of Transportation Planning and Research, Tel Aviv, Israel

**Major Consulting and Professional Activities** (continued):

Booz, Allen and Hamilton Inc: Transportation Consulting Division, Philadelphia Pa. (1980-1982). Review Panel on Estimation Techniques for Bus Service Planning.

Transportation System Group, Department of Civil Engineering, SUNY at Buffalo (1981): Development of a Model System for Transportation Corridor Planning; Study Funded by the Urban Mass Transportation Administration

Dave Consulting, Inc., Anaheim California. (1980): Transit Service Productivity Guidelines.

Urban Mass Transportation Administration (1978-1980): Analysis of Joint Development Projects: Transportation and Land Use, Senior Research Fellow.

The Ford Foundation (1978-1979): Improvement and Application of IMGRID: a Computer Model Package for Optimal Activity Design

Economic Planning Authority, Ministry of the Treasury, Israel (1979): Project Evaluation of the Planned Central Bus Station in Tel-Aviv

Israel Institute for Transportation Planning and Research (1978-1979): Consulting on the Potential Application of Urban Land Use Simulation Models for Transportation System Evaluation

Egged Israel Transport Cooperative Society Ltd. (1978): The Economics of Public Transport Operation: Subsidies and regulation Policies.

National Academy of Science, Israel (1977-1978): Accessibility Measures and the Prices of Housing

**Member of Scientific Associations:**

American Economic Association

International Regional Science Association

European Network on Transportation, Communication and Mobility Research

Transportation Research Board

Joseph Berechman

## **PUBLICATIONS**

### **Books:**

*The Evaluation of Transportation Investment Projects*, Routledge, 2009

*Transport Investment and Economic Development*, (with D. Bansiter), University College London Press, 2000

*Transport and Land Use*, (with H. Kohno, K. Button and P. Nijkamp, eds.), Edward Elgar Publishing Ltd., 1996.

*Public Transit Economics and Deregulation Policy*, North-Holland, 1993

*Transportation in Unified Europe: Policies and Challenges*, (with D. Banister), North-Holland, 1993

### **Guest Editor:**

Special Issue on Transportation Policy in Europe, *Transportation Research A*, March 1992.

### **Articles:**

"The land use planning problem of new towns", *Journal of Environmental Systems*, 4(3): 241-250, 1974.

"A land use allocation model for new towns planning", *Modeling and Simulation (ISA)*, 6(2): 1227-1231, 1975

"The urban disadvantaged and the search for locational opportunity", *Traffic Quarterly*, 30(1): 85-100, 1975 (with R. Paaswell).

"Toward a land use planning model for new towns", *International Journal of Systems Science*, 7(2): 225-239, 1976.

"Interfacing the urban land use activity system and the transportation system", *Journal of Regional Science*, 16(2), 183-194, 1976.

"The impact of car availability on urban transportation behavior", *Transportation*, 6(1): 121-134, 1977. (with R. Paaswell).

**Articles** (continued):

"A design model for allocating interrelated land use activities in discrete space", *Environment and Planning A*, 10, 1319-1332, 1978. (with R. Arad).

"A planning model for the implementation of an efficient demand responsive transportation system", *Transportation Planning and Technology*, 4(4), 241-250, 1978, (with Arad and Yaski)

"Feasibility of the completion of the new central bus station", (Hebrew), *Environmental Planning*, 25: 9-16, 1979.

"A general framework for the integration of a land use model with a transportation model component", *Journal of Regional Science*, 20(1), 51-69, 1980

"Transit subsidy and regulation: lessons from the Israeli experience," *Transportation*, 9, 369-388, 1980

"Analytical problems in linking an activity model with a transportation network model," *Environment and Planning A*, 13, 449-462, 1981.

"Analysis of cost, economies of scale, and factor demand in bus transport," *Journal of Transport Economics and Policy*, 17(1), 7-24, 1983

"Rail rapid transit investment and CBD revitalization: methodology and results," *Urban Studies*, 20(4), 471-486, 1983, (with R. Paaswell)

"Economies of scale in bus transit: a review of concepts and evidence," *Transportation*, 12(4): 313-332, 1985, (with G. Giuliano).

"Analysis of the cost structure of urban bus transit property," *Transportation Research B*, 18B(4/5), 273-287, 1984, (with G. Giuliano).

"Highway capacity utilization and investment in transportation corridors," *Environment and Planning A*, 16, 1475-1488, 1984.

"Cost structure and Production technology in transit," *Journal of Regional Science and Urban Economics*, 17, 519-534, 1987.

"Incorporating neighborhood effects into spatial allocation models," *Environment and Planning A*, 20(5), 595-608, 1988. (with E. Werczberger).

"Modeling land use and transportation: an interpretive review for growth areas," *Environment and Planning A*, 20(10), 1285-1310, 1988, (with K. Small)

**Articles** (continued):

"A model for the evaluation of the appropriate rent rate in properties subject to rent control without a ceiling" *Quarterly Banking Review*, (Hebrew), 28(112), 107-117. (with D. Weissbrod)

"Demand conditions, regulation and the measurement of factor productivity," *Journal of Econometrics*, 47(2/3), 379-400, 1991, (with E. Appelbaum)

"A note on factor pricing in highway investment", *Journal of Transport Economics and Policy*, 1991, 25(2), 177-181, (with D. Pines)

"Competitive regimes within the European bus industry: Theory and practice", *Transportation Research A*, 26A(2), 167-178, 1992, (with D. Banister and G. de Rus).

"Access to facilities in a competitive transport market: the North European experience", *Transportation Planning and Technology*, 17 (4), 341-348, 1993, (with d. Banister, B. Andersen and S. Barrett)

"Urban and regional economic impacts of transportation investment: a critical assessment and proposed methodology", *Transportation Research A*, 1994, 28A(4), 351-362

"Bridge and tunnel toll elasticities in New York: some recent evidence", *Transportation*, 22(22), 97-113, 1995, (with Hirschman, McKnight, Pucher and Paaswell)

"Analysis of the effects of European aviation deregulation on airline's network structure and choice of a primary West-European hub airport", *Journal of Transport Economics and Policy*, 1996, 30(3), 251-272. (with J. de Wit).

"European air transportation networks after liberalization", *PTRC Airport Planning Issues*, 1996, P/409, The Planning and Transport Research and Computation International Association, (with Adler)

"The implications of travel profiles for transportation investment: The Bronx Center Project", *Transportation*, 1997, 24(1), 51-77. (with R. Paaswell).

"Public transit deregulation, privatization and competition: the international experience", *The Economic Quarterly*, (Hebrew), 1998, 44(4), 630-661

"Network structure and entry in the deregulated airline industry", *Keio Economic Studies*, 1999, (with S. Poddar and O. Shy)

"Evaluating optimal multi-hub networks in a deregulated aviation market with Application to Western Europe, *Transportation Research A*, 2001, 35(5), 1-18. (with N. Adler)

**Articles** (continued):

“Generator or supporter: Transport Investment and economic growth”, *New York Transportation Journal*, 5, 2001 (Winter/Spring), 14-20

"Measuring airport quality from the airlines' viewpoint: An application of data envelopment analysis", *Transport Policy*, 2001, 8(3), 171-181, (with N. Adler)

“Transport investment and the promotion of economic growth”, *Transport Geography*, 2001, 9(2), 209-218, (with D. Banister)

“Airport quality and the hub location question”, *Journal of Air Transport Management*, 2001, (with N. Adler)

“Estimation and Evaluation of Full Marginal Costs of Highway Transportation in New Jersey”, 2001, *Journal of Transportation and Statistics*, 4(1), 81-104, (with K. Ozbay and B. Bartin)

“Public transportation policy in Israel: Challenges for the decade ahead”, *Israel Affairs*, 2001, 7(4), 254-269, (with R. Paaswell)

“Accessibility improvement and local employment: an empirical analysis”, *Journal of Transportation and Statistics*, 4(2/3), 49-66, 2001, (with R. Paaswell)

“Empirical Analysis of the Relationship between Accessibility and Economic Development”, ASCE, *Journal of Urban Planning and Development*, 2003, 129(2), 97-119 (with K. Ozbay and D. Ozmen-Ertekin)

“Transportation – Economic Aspects of Roman Highway Development: The Case of Via Appia”, *Transportation Research A*, 2003, 37(5), 453-478.

“Evaluation, Prioritization and Policy Implications of Transportation Investments Projects in New York”, *Transportation*, 2005, 32(3), 223-249. (with R. Paaswell)

"Modeling and Analysis of the Link between Accessibility and Employment Growth", 2006, *Journal of Transportation Engineering*, ASCE, May 2006, 132(5), 385-393, (with Ozbay, Ozmen-Ertekin)

“Empirical Analysis of Transportation Investment and Economic Development at State, County and Municipality Levels”, *Transportation*, 2006, 33(6), 537-551, (with Ozmen-Ertekin, Ozbay)

"Alternative methods for estimation full marginal costs of highway transportation", *Transportation Research A*, 2007, 41(8), 768-786 (with Ozbay, Bartin, Yanmaz-Tuzel)

“Contribution of Transportation Investments to County Output", *Transport Policy*, 2007, 14(4), 317-329, (with Ozmen-Ertekin, Ozbay)

**Articles** (continued):

"Estimation of the Full Marginal Costs of Port Related Truck Traffic", *Journal of Evaluation and Program Planning*, 2009, 32(4), 390-396

"Incorporating Risk of Cost Overruns in Transportation Capital Project Decision Making," *Journal of Transport Economics and Policy*, 2010, (with Chen L.,) (Forthcoming)

"Efficient Contracts of Public Transit Services Provision", *Economics Quarterly* (Hebrew), 2010, (with Ida Y.,) (Forthcoming)

**Chapters in Books**

"Linked models of land use-transport interactions: a review," in B. Hutchinson and M. Batty (eds.) *New Directions in Urban Modeling*, North-Holland, 1986. (with P. Gordon).

"Transport, communication and mobility in Israel", in P. Nijkamp, S. Reichman and M. Wegener (eds.), *Euromobile: Transport, communication and Mobility in Europe*, 1991, Gower Publishing Company, 1990. (with D. Shefer, I. Salomon, E. Stern)

"Regulatory regimes in European transport and market contestability", in P. Nijkamp (ed.), *Europe on the Move: recent developments in European communications and transport activities research*, Farnborough: Avebury, 1992. (with Andersen, Banister, Barrett and de Rus).

"Contestability and entry deterrence in the bus Industry", in D. Banister and J. Berechman (eds.), *Transportation in Unified Europe: Policies and Challenges*, Elsevier, 1993. (with D. Banister, and G. de Rus).

"Airline deregulation and the choice of networks", in *Advances in Spatial Equilibrium*, in P. Nijkamp (ed.), 1995, (with O. Shy)

"Transport infrastructure investment and economic development: a review of key analytical and empirical issues" in D. Banister (ed.), *Transport and Urban Development*, 1995, Aldershot,

"The structure of airline equilibrium networks", in Van den Bergh J., Nijkamp, P. *Equilibrium Modeling: Methodology and Applications*, Springer-Verlag, Amsterdam, 1995. (With O. Shy).

"Policy changes in the European aviation industry", in K. Button, P. Nijkamp and H. Priemus (eds.), *European Transport Network: Concepts, Analysis and Policies*, Edward Elgar Publishing, 1996. (with Reynolds-Feighan).

"On the future role of alliance", in Gaudry, M., and Mayes R. R., (eds.), *Taking Stock of Air Liberalization*, Kluwer Academic Publishers, 1999, (with Jaap de Wit)

**Chapters in Books** (continued):

"Economies of scale in bus transit: a review of concepts and evidence, in Rietveld, Button and Nijkamp (eds.), *Classics in Transport Analysis*, 2002, Edward Elgar Publishing Ltd., UK (with G. Giuliano).

"The economic development effects of transport investment", in Pearman, A., Mackie P., Nellthorp, J, (eds.) in *Transport Projects, Programs and Policies: Evaluation Needs and Capabilities*, 2003, Ashgate Publishing Ltd, England, (with David Banister).

"Models and Realities: Choosing Transit Projects for New York City", in *Policy Analysis of Transportation Networks* , by Marina van Geenhuizen, Aura Reggiani, Piet Rietveld (eds.), 2006, Ashgate Publishing Ltd, England. (Paaswell and Berechman)

"The Full Marginal Costs of Highway Travel: Methods and Empirical Estimation for North America", in *Handbook in Transport Economics*, Lindsey R. (ed.), (with Bartin B., Yanmaz-Tuzel O., and Ozbay K), (Forthcoming)

**Book Reviews:**

*Urban Modeling*, by M. Batty, Cambridge Univ. Press, *Annals of Regional Science*, 7(2): 143-146, 1978.

*Transportation, Temporal and Spatial Components of Accessibility*, L. Burns, Lexington Books, *Geographical Analysis*, 13(2): 185-187, 1981.

*Urban Policy Analysis: Directions for Future Research*, Edited by T. Clark, Sage Publications, *Annals of Regional Science*, 19(1): 121-122, 1985.

*Trip Relationships in Urban Area*, by Helmut Holzapfel, Gower Publishing Co., 1986, *Annals of Regional Science*, 1989

*Applied Transportation Economics*, by K. J. Button and A. D. Pearman, Gordon and Breach, *Transportation Research*, May, 1989.

*Transit Carrier Costing*, by W. K. Talley, Gordon and Breach, *Transportation Research*, 1990.

*Project and Policy Evaluation in Transport* , L. Giorgi, and A. Pearman (eds.), with A. Tandon , D. Tsamboulas and C. Reynaud, *European Journal of Transport and Infrastructure Research*, 4(2.) (with R. Paaswell)

"Models and Realities: Choosing Transit Projects for New York City", in *Policy Analysis of Transportation Networks*, by Marina van Geenhuizen, Aura Reggiani, Piet Rietveld (eds.), Forthcoming. (with Robert Paaswell)

### **Proceedings:**

*World Transport Research, Proceedings of the 7th World Conference on Transport Research*, Edited by David Hensher, Jenny King and Tae Oum, 4 Volumes, 1996, Pergamon.

"Joint development: impact of rapid transit and land development on the city of Buffalo", Transportation Planning Practice Seminar, PTRC, Warwick, England, 1980. (with R. Paaswell)

"Transit investment and its returns", Proceedings, World Conference on Transport Research, London, England, 1980.

"Light-rail and development: constraints and conditions", Proceedings, Conference on Light Rail Transit, San-Diego, Ca., USA, 1982, (with R. Paaswell)

"Review of linked land-use-transportation models", International Symposium on New Directions in Urban Modeling, University of Waterloo, Canada, 1983

"Urban models and development policies", International Symposium on New Direction in Urban Modeling, University of Waterloo, Canada, 1983

### **Papers Presented at Scientific Meetings:**

"Estimation of rent location curves using regression models with spatially distributed data", 21st North American Meetings of the Regional Science Association, Chicago Illinois, November 1974.

"The carless, the unemployed and the search for spatial opportunity", Annual Conference of the Southern Regional Science Association, Atlanta Ga., April 1975 (with R. Paaswell)

"A model for optimal land use plan design", National ORSA/TIMS Joint Meetings, Las Vegas Nevada, November 1975

"A multiple interactions land use design model", TIMS, 23rd International Meetings, Athens Greece, July 1977. (with R. Arad)

"Equity in transportation", Transportation Research Board Conference, Washington D.C., January 1978. (with R. Paaswell)

**Papers Presented at Scientific Meetings (continued):**

"Evaluating the impacts of transportation investments", DOT Urban Systems Workshop, Transportation Systems Center, Cambridge Mass., December 1978. (with R. Paaswell)

"Estimation of the structure and distribution of travel demand in the Tel-Aviv metropolitan area for the year 2000", The Annual Meeting of the Israel Geographical Society, Tel-Aviv, 12/1978.

"Modeling land use transportation interactions", Annual Meetings of the Israeli Regional Science Association, Tel-Aviv, June 1979

"The analysis of joint development: the impact of a system on the revitalization of the downtown", 27th North American Meetings, Regional Science Association, Milwaukee Wisconsin, November 1980, (with R. Paaswell)

"Analysis of the cost structure of the urban bus transit industry: methodology and preliminary results", 28th North American Meetings, Regional Science Association, Montreal Canada, November 1981, (with G. Giuliano)

"Effects of transit on retail activities: 61st Annual Meetings, Transportation Research Board, Washington D.C., January 1982. (with R. Paaswell)

"Planning of capacity investments in transportation corridors", 30th North American Meetings, Regional Science Association, Chicago Illinois, November 1983

"Incorporating neighborhood effects into spatial allocation models", 24th European Conference of the Regional Science Association, Milan Italy, August 1984, (with E. Werczberger)

"Total factor productivity and cost efficiency in public transport", 32nd North American Meetings, Regional Science Association, Philadelphia Pa., November 1985.

"Impact of transportation investment on urban development", The 27th European Congress of the Regional Science Association, Athens Greece, August, 1987

"Spatial external economies with congestion effect: some results for urban production activities", 34th North American Meetings of the RSA, November 1987, Baltimore, USA

"Modeling the objective function of public transit firms", 35th North American Meetings of the Regional Science Association, November 1988, Toronto, Canada

"On the possibility of deregulated transit markets", 36th North American Meetings of the Regional Science Association, November 1989, Santa Barbara, California, USA.

"Economic Network Design in Deregulated Transportation Markets", 37th North American Meetings of the Regional Science Association, November 1990, Boston, Mass., USA

**Papers Presented at Scientific Meetings (continued):**

"Planned Transport Networks under Deregulation", (with O. Shy), 38th North American Meetings of the Regional Science Association, November 1991, New Orleans, USA.

"Airline Deregulation and the Choice of Networks", (with O. Shy), Symposium on Deregulation of Transport Markets, February 1992, University of Liverpool, England

"Deregulation and Competitive regimes within the European Transport Markets", NECTAR conference, March 1992, Amsterdam, The Netherlands (with Banister, de Rus and Barrett)

"Competitive Tendering in Public Transport: Theory, Experience and Policy", 39th North

American Meetings of the Regional Science Association, November 1992, Chicago, Illinois, USA

"Urban and Regional Impacts of Transportation Investment: The Case of the Bronx Center

Project: 40st North American Meetings of the Regional Science Association, November 1993, Houston Texas, USA.

"The Changing Structure of the European Aviation Sector", NECTAR Conference, December 1993, Padua, Italy, (with Aisling J Reynolds-Feighan)

"New Directions in Transportation Models: Choice of Airline Networks in Deregulated Markets", Recent Advances in Spatial Equilibrium Modeling, Workshop held at the Tinbergen Institute, January 1994, Amsterdam, The Netherlands.

"Network Structure and Entry in the Deregulated Airline Industry", 41st North American Meetings of the Regional Science Association, November 1994, Niagara Falls, Ontario, Canada

"The Effect of Improve Accessibility on the Local Supply of Labor", 42st North American Meetings of the Regional Science Association, November 1995, Cincinnati Ohio. (With R. Paaswell)

"Transportation Accessibility and Employment in the New York City Area", New York State Network for Economic Research, December 1995, Albany New York (With R. Paaswell).

"A New Methodological Approach to the Analysis of the Impact of Transport Infrastructure

Investment on Economic Development", NECTAR Euro-conference, September 24-28, 1996, Mons, Belgium

"Estimating the Effect of Accessibility Changes from Transportation Investment on Local Labor Supply", TRED Conference on Land Use and Transportation, Lincoln Institute, Cambridge

**Papers Presented at Scientific Meetings** (continued):

Massachusetts, October 11-12, 1996 (with R. Paaswell)

“European Air Transportation Networks After Liberalization”, *PTRC Airport Planning Issues*, P/409, The Planning and Transport Research and Computation International Association, 1996, (with N. Adler).

“Future Role of Aviation Alliances”, CRT-25/TC-60 Conference on “Taking Stock of Air Liberalization”, Montreal, April 24-25, 1997 (with J. De Wit)

“The Effects of European Deregulation on Airline Services”, The First Asia Pacific Transport Conference: “International Transport Liberalization”, December 5-6, 1997, Seoul, Korea.

“The Effect of Transportation Infrastructure Investment on Local Economic Growth: Modeling and Simulation”, NECTAR Euro-Conference, April 19-23 1998, Israel

“The Impact of Transportation Infrastructure Development on Local and Regional Economics Growth”, Urban economic Policy, Helsinki, Finland, August 13, 1998

“Analytical Nature of Network Economies in Transportation Industries and their Impact on Market Regulation and Competition”, 4<sup>th</sup> Helsinki Workshop on Standardization and Networks, Helsinki Finland, August 15-16, 1999

“Transport Infrastructure Development and Economic Growth: Investment, Market and Policy?” 46th North American Meetings of the Regional Science Association, November 1999, Montreal, Canada

“Do Transport Infrastructure Investments Promote Economic Development?”, MIT, February 8, 2000, Cambridge, MA.

“Role of Airports in a Single European Sky”, OPTAS B, Brussels, March 15-16, Belgium

“Transport Investments – International Comparisons, What Can We Learn?”, Infrastructure 2000: Investing for Growth, CUNY Graduate Center, March 28, New York, NY.

“The Economic Development Effects of Transport Investments” Paper for presentation at the TRANS-TALK Workshop, Brussels, November 2000. (with D. Banister).

“Transport Investment and Economic Development: Is there a Link?” European Conference of Ministers of Transport (ECMT), 119<sup>th</sup> Round Table on *Transport and Economic Development*, Paris, March, 2001.

“Airport quality and the hub location question”. The 9<sup>th</sup> WCTR Conference, July 22-27, 2001, Seoul, South Korea, (with N. Adler)

**Papers Presented at Scientific Meetings (continued):**

“New thinking for aviation in the 21<sup>st</sup> century”, The Yolanda Moses Visiting Scholar, The Collin Powell Center for Policy Studies, The City College of New York, NY, April 23<sup>rd</sup>, 2002.

“A marginal cost pricing scheme for airport operations and externalities”, IMPRINT-EUROPE Conference Two, Implementing Reform in Transport Pricing, Brussels, 14-15 May, 2002.

“Barriers to the Actual Implementation of Transportation Investments in New York”, (with R. Paaswell), Presented at the Santa Barbara, May 19-20, 2003.

“Evaluation, Prioritization and Policy Implications of Transportation Investments Projects in New York”, 50th North American Meetings of the Regional Science Association, November 2003, Philadelphia, USA

”Transportation Projects Selection and Prioritization”, 10<sup>th</sup> World Conference on Transport Research, July 4-8, 2004, Istanbul, Turkey

“Transportation Investment and Economic Development: Empirical Analysis of Regional, County and Municipality Data”, 51st North American Meetings of the Regional Science Association, November 2004, Seattle, USA, (with Ozmen-Ertekin D., and Ozbay K.,)

“How should risks be shared? The Challenge of Risk Allocation in Public Private Partnerships”, Paper Presented at the New York State Department of Transportation Conference on: Transportation Development Partnership, March 8, 2006 Albany New York

OECD, European Conference of Ministers of Transport, “Transport, Urban Form and Economic Growth”, Regional Round Table Meeting, March 27-28, 2006, Berkeley California

“Risk Analysis in P3”, A P3 Symposium, the Phelps Centre for the Study of Government and Business, Sauder School of Business, June 2006.

“Risk Analysis of Transportation Investment Projects”, 53rd North American Meetings of the Regional Science Association, November 16-18, 2006, Toronto, Canada

OECD, European Conference of Ministers of Transport, “Privatization and Regulation of Urban Transit Systems”, November 23-24, 2006, Paris, France

International Conference on Gateways and Corridors, "Societal Full Marginal Costs of Port Expansion: The Case of NY", Vancouver, Canada, May 2-4, 2007

Federal Reserve Bank of Chicago, “Using Payment Innovations to Improve Transportation Networks”, June 12, 2007, Chicago Illinois

**Papers Presented at Scientific Meetings (continued):**

OECD, International Transport Forum, "Macro-, Meso-, and Micro-Infrastructure Planning and Assessment Tools, October 25-26, Boston MA

"Societal Full Marginal Costs from Port Expansion", 54 North American Meetings of the Regional Science Association, November 10-12, 2007, Savannah, GA

"Incorporating Risk of Cost Overruns into Transportation Investment Decision-Making", 55th North American Meetings of the Regional Science Association International, November 19-22, Brooklyn, NY

"Transportation Investment and Economic Development: Estimation and Use", Symposium on Does Transportation Matter for Urban Development? February 27-28, 2009, University of Southern California the Lusk Center

**Research and Technical Reports:**

"The uniqueness of urban public facilities", Research Paper Series, Transportation and Societal Systems, Dept. of Civil Engineering, SUNY Buffalo, 1974

"Projecting the economic make-up of planned unit developments and new towns", Research Paper Series, Transportation and Societal Systems, Dept. of Civil Engineering, SUNY Buffalo, 1974.

"The impact of auto curtailment policies", Research Paper Series, Transportation and Societal Systems, Dept. of Civil Engineering, SUNY Buffalo, 1974

"A study of problems of the carless", A Research Report. Prepared for USA, Department Of Transportation, 1975

"Criteria for evaluating the compatibility between the urban transportation system and the land- use system", Bureau of Chief Scientist, Ministry of Transport, Israel, 1977

"An empirical framework for integrating a land-use model component with a transportation network model component", Working Paper Series No. 42, Center for Urban and Regional Studies, Tel Aviv University, 1977

"Preferential treatment of public transportation", Prepared for Egged, Israel Transport Cooperative Society Ltd., 1978

"Analysis of the effect of accessibility on housing prices in Israel", final Research Report,

Prepared for the Israeli National Academy of Science, 1978

**Research and Technical Reports** (continued):

"Urban models: their structure and use in planning". Report prepared for the Israel Institute of Transportation Planning and Research, 1979

"An analysis of joint development project", Final Report, USA, Dept. of Transportation, (UMTA), 1979. (with R. Paaswell)

"Linking a corridor model with a land-use model", Research Report, Dept. of Civil Engineering SUNY Buffalo, 1980, (with A. Talvitie)

"Improvement in the formulation and evaluation of alternatives by means of the computer system IMGRID". Final Report, the Ford Foundation, 1980. (with S. Amir, E. Gilboa and M. Hill)

"Cost structure and subsidy policy of the bus transport sector in Israel". Final report, The Pinhas Sapir Center for Development, Tel Aviv University, 1984

"Productivity in bus transit", Final Report, The Pinhas Sapir Center for Development, Tel Aviv University, 1985, (with A. Appelbaum)

"Labor productivity in air transportation", Final Report, the Israel Shipping and Aviation Research Institute, 1986

"Deregulating the Israeli Bus Transit System", Final Report, Ministry of Transportation, Jerusalem, Israel, (with K. Blum and I. Salomon), 1991.

"Airlines deregulation and the choice of networks", Journal of Transport Economics and Policy, Working Paper No. 2-91, The Sackler Institute of Economic Studies, (with O. Shy), 1991

"Regional impacts of transportation infrastructure investment", Transportation Research Center, New York , (with R. Paaswell) 1993.

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