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 Professor of Civil Engineering and Transportation  
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PROFESSIONAL  
 EXPERIENCE

NORTHWESTERN UNIVERSITY, Professor Emeritus of Civil Engineering, Department of Civil Engineering and the Transportation Center, 2007-present.

NORTHWESTERN UNIVERSITY, Professor of Civil Engineering, Department of Civil Engineering and the Transportation Center, 1981-2007. Director of the Master of Science in Transportation Program, 1983-1998. Faculty Associate, Center for Urban Affairs and Policy Research, 1981-1992. Courses include urban transportation planning and analysis, travel demand analysis and prediction and probability and statistics. Research on travel choice behavior, formulation and properties of extended logit models, travel demand prediction, transferability of travel choice models, activity based travel analysis, daily travel patterns, transit marketing, intercity travel demand, airline yield management, intercity air travel demand and implementation and evaluation of advanced traveler information systems.

NORTHWESTERN UNIVERSITY, Associate Professor of Civil Engineering, Department of Civil Engineering and the Transportation Center, 1975-1981. Courses include urban and statewide transportation planning, travel demand estimation and prediction. Research on travel choice behavior, influence of consumer attitudes on travel behavior, design of public transportation service, and analysis of errors in travel prediction.

NATIONAL INSTITUTE OF STATISTICAL SCIENCES, Senior Fellow, 1997 - 1999.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Research Assistant, Transportation Systems Division, 1971-1975.

TRI-STATE REGIONAL PLANNING COMMISSION, Manager, Urban Systems Evaluation, 1968-1971.

MIDWEST SYSTEM SCIENCES, INC., Founding Principle, 1983-present.

EDUCATION

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, Ph.D., in Transportation Systems. Dissertation: Travel Prediction with Models of Individual Choice Behavior, 1975.

NEW YORK UNIVERSITY, GRADUATE SCHOOL OF BUSINESS ADMINISTRATION, 1969-1971 (part-time). Economics and operations research.

HARVARD UNIVERSITY, GRADUATE SCHOOL OF BUSINESS ADMINISTRATION, M.B.A. (with Distinction), 1961. Economic analysis and marketing.

MASSACHUSETTS INSTITUTE OF TECHNOLOGY, B.S. in Civil Engineering, 1959.

CONSULTING  
ACTIVITIES  
(Since 1985)

To California Energy Commission to estimate models of automobile ownership and use, August 2006 – ongoing.

To Boeing Commercial Aircraft to develop advanced models of intercity itinerary choice for air travelers, 2005 – ongoing.

To Midwest System Sciences and PBConsult to provide training and support to the Metropolitan Transportation Commission in the development of advanced activity based travel demand models, 2005 – 2006.

To Midwest System Sciences and the Metropolitan Transportation Commission, Member, California High Speed Rail Peer Review Panel, June 2005-January 2006.

To Midwest System Sciences and Los Angeles County Metropolitan Transit Authority to provide expert review of trip destination choice model development efforts, February – December 2004.

To Midwest System Sciences and PBConsult for the Houston-Galveston Area Council to develop advanced models of travel demand using activity based approaches, 2000 - 2004.

To Midwest System Sciences and PBConsult for Oregon Department of Transportation, Peer Review Panel Member for Project on Development of Integrated Economic, Land Use and Transportation Models, June 1997 - September 2002.

To Midwest System Sciences, Inc. and KPMG Peat Marwick for the Federal Highway Administration for Performance of Planning Research Technical Support: Development of Self-Instructing Course Manual for Logit Modeling, September 1996 to June 2002.

To Midwest System Sciences, Inc. and Parsons-Brinkerhoff Consultants for Oahu Metropolitan Planning Organization to develop advanced, activity-based models for prediction of regional travel demand, August 1994 to December 1997.

To Midwest System Sciences, Inc. and KPMG Peat Marwick for Wisconsin Department of Transportation to develop intercity mode choice models, August 1993 to August 1995.

To Midwest System Sciences, Inc. and KPMG Peat Marwick for Florida Department of Transportation to develop a statewide model of intercity travel demand, September 1991-March 1993.

To Midwest System Sciences, Inc. and KPMG Peat Marwick for Joint Ontario-Quebec Task Force on High Speed Rail to develop a model of intercity travel demand for the Windsor - Quebec City Corridor, September 1989 - July 1990.

To Midwest System Services, Inc. for Chicago Transit Authority to develop models of choice of method of payment among transit riders to be used in the design of new fare payment systems, March 1989 - May 1990.

To Midwest System Services, Inc. and Peat Marwick Main & Co for Via Rail (Canada) to

participate on expert review panel to review the development of high speed rail ridership forecasts in the Montreal-Toronto corridor, June 1988 - September 1989.

To Midwest System Services, Inc. and Peat Marwick Main & Co for the Ohio High Speed Rail Administration (OHSRA) to develop models of intercity travel demand and forecast intercity high speed rail ridership, March 1988 - September 1989.

To Midwest System Services, Inc. for Chicago Transit Authority to undertake a marketing research study to identify opportunities to increase ridership and revenues, February 1988 - May 1989.

To Midwest System Services, Inc. for Metra-Pace to evaluate the potential to increase rail ridership by improvements in suburban feeder bus service, February 1988 - March 1989.

To Midwest System Sciences, Inc. for the Chicago Transit Authority to Evaluate the effect of Bus Security Program, September-October 1987.

To Midwest System Sciences, Inc. for the Northeastern Illinois Regional Transportation Agency to review forecasting capabilities and propose new capabilities to support forecasting needs, December 1986 - May 1987.

To Midwest System Sciences, Inc. for Regional Transit Board of Minneapolis - St. Paul to provide general public transit planning advice and direct transit marketing research study, September 1985 - August 1986.

To Midwest System Sciences, Inc. for Northeast Illinois Railroad Corporation (Metra) to develop a marketing plan for commuter rail services in the Chicago metropolitan region, 1985.

SELECTED  
RESEARCH  
ACTIVITIES

Impacts of Intelligent Transportation Systems on Ridership with Operation and Information Changes, January 2004 – August 2004 (Principal Investigator).

Experiments in the Estimation of Multi-dimensional Integrals for Mixed Logit Models, January 2003 – September 2004 (Principal Investigator).

Integrated Generalized Extreme Value and Mixed Logit Models: Evaluation and Implementation, September 2002 – June 2004 (Principal Investigator).

Demand for Intercity Air Travel by City Pair, Carrier and Itinerary, September 2000 - September 2001 (Principal Investigator)

Air Traveler Responses to Changes in Product Attributes, June 1999 - September 2001 (Principal Investigator)

Joint Travel within Household, January 1999 - April 2001 (Principal Investigator)

Intercity Rail Passenger Forecasting, December 1998 - June 1999 (Principal Investigator)

Development of Advanced Travel Behavior Models, September 1996 - August 1999 (Principal Investigator)

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October 2007

Evaluation of ADVANCE Traveler Information System, October 1995 - September 1996 (Principal Investigator).

Development of ADVANCE Traveler Information System, June 1991- September 1995 (Principal Investigator).

Market Research Evaluation of Actions to Reduce Suburban Traffic Congestion, February 1990 - August 1991 (Principal Investigator).

Determinants of Air Travel Demand and Recapture, June 1989 - June 1991 (Principal Investigator).

Feasibility Study of Route Guidance Demonstration Program, October 1988 - June 1990 (Co-Principal Investigator).

Design of a Regional Transit Market Research Program, August 1988 - September 1989 (Faculty Associate).

Analysis of Errors and their Propagation Among Interrelated Transportation Models, September 1984 - October 1986 (Principal Investigator).

Intercity Passenger Travel Demand Forecasting, U.S. Department of Transportation, September 1983 - December 1986 (Principal Investigator).

Spatial-Temporal Characteristics of Person Travel Behavior, National Science Foundation, Geography Division, October 1981 - October 1984 (Principal Investigator in collaboration with Eric Pas, Duke University).

Identification of Conditions for Effective Transferability of Travel Choice Models, U.S. Department of Transportation, September 1980 - September 1984 (Principal Investigator).

Consumer Oriented Transportation Service: Modifications and Evaluation, U.S. Department of Transportation, September 1977 - July 1980 (Principal Investigator).

Consumer Oriented Transportation Systems Planning, U.S. Department of Transportation, July 1976 - December 1977 (Principal Investigator).

A Method for Assessing Pricing and Structural Changes in Transport Mode Use, U.S. Department of Transportation, September 1975 - May 1977 (Faculty Associate).

SELECTED  
PROFESSIONAL  
ACTIVITIES

Transportation Research.

- Associate Editor, 1986-2002.
- Editorial Advisory Board, 1985-1986, 2002-present.

International Association for Travel Behavior Research, Founding Member, 1982-present.  
Scientific committee, Eighth and Ninth Conference  
Steering Committee, Fourth, Fifth, Sixth, Seventh and Tenth Conferences

Journal of Transportation and Statistics, Editorial Advisory Board, 1996-1999.

Transportation Science, Adjunct Associate Editor, October 1992-March 1993.

Transportation Research Board

- Committee on Intercity Rail Passenger Transportation, 1992-1998
- Committee on Passenger Travel Demand Forecasting, Chairman, 1982-1986, Member, 1982-present.
- Committee on Traveler Behavior and Values, 1973-1984.
- Committee on Statewide Multi-Modal Transportation Planning, 1973-1975.
- Committee for the Study of the Impacts of New Highway Construction on the Environment and Energy Consumption, 1993-94.
- Committee for the Study of High Speed Surface Transportation, 1990-1991.

Advisory Panel, Urban Travel Demand Forecasting Project, National Science Foundation (RANN) research at U.C. Berkeley, January 1975 - July 1977.

HONORS  
AND  
HONORARY  
SOCIETIES

Most Innovative Presentation, Annual Symposium of Airline Group of the International Federation of Operational Research Societies (AGIFORS), 2004.  
Lifetime Achievement Award, International Association for Travel Behavior Research, 2003.  
Member Emeritus, Transportation Research Board, 2003.  
Burlington Northern Foundation Faculty Achievement Award, 1986.  
Tau Beta Pi Engineering Society  
Chi Epsilon Civil Engineering Honorary Fraternity  
National Society of Sigma Xi

DOCTORAL  
DISSERTATIONS  
COMPLETED

Dong, Xiaojing, Estimation of complex travel-activity patterns with discrete choice simulation models, December 2006.

Kasturirangan, Krishnan, Simultaneous Choice Behavior In Activity And Travel Patterns, August 2006.

Coldren, Gregory, Modeling Aggregate Air-Travel Itinerary Shares: Generalized Extreme Value Logit Modeling Approaches, May 2005.

Garrow, Laurie, *Comparison of Choice Models Representing Correlation and Random Taste Variation: An Application to Airline Passengers' Rescheduling Behavior*, May 2004.

Gliebe, John, *Models of Household Joint Decision Making in Activities and Travel*, March 2004.

Sethi, Vaneet, *Modeling Complex Substitution Patterns with Variance and Covariance Heterogeneity in Long Distance Travel Choice Models*, December 2002

Wen, Chieh-hua, *Development Of Stop Generation And Tour Formation Models For The Analysis of Travel/Activity Behavior*, June 1998

Sermons, M William, *Incorporation Systematic Taste Variation into Models of Residential Location Choice*, June 1998.

Prousaloglou, Kimon, *Air Carrier, Fare Class and Flight Demand: An Individual Choice Approach*, December 1992.

Bhat, Chandra, *Toward a Model of Activity Program Generation*, December 1991.

Wong, Jinn-Tsai, *Airline Network Seat Allocation*, December 1990.

Townsend, Trevor A., *The Effects of Household Characteristics on the Multi-Day Time Allocations and Travel/Activity Patterns of Households and Their Members*, June 1987.

Rose, Geoffrey, A., *An Analysis Of Error Propagation In Transportation Network Equilibrium Models*, June 1986.

Wilmot, Chester G., *The Impact of Market Segmentation on the Transferability of Discrete Choice Models*, August 1983.

Mokhtarian (Lyons), Patricia, *Time-Dependent Structural Equations Modeling of the Relationship between Attitudes and Discrete Choice Behavior of Transportation Consumers*, August 1981.

Pas, Eric I., *Toward the Understanding of Urban Travel Behavior through the Classification of Daily Travel/Activity Patterns*, December 1980.

SELECTED  
UNIVERSITY  
ACTIVITIES

Search Committee, Patterson Distinguished Chair in Transportation, 2006-2007.

McCormick School, Committee on Tenure and Promotion, 2000-2003.

McCormick School, Committee on Computer Resources, September 1997 - 2004;  
Chair, September 2001 – 2004.

Civil Engineering, Computer Committee, Chair, 1997- 2004.

General Faculty Committee, Subcommittee on Retirement and Benefits, 1994 – 1997.

Patterson Chair Lecture Committee, 1991-1995.

Civil Engineering Executive Committee Member, 1991 – 1993, Chairman, 1992-1993.

Transportation Area Coordinator, Department of Civil Engineering, 1987-present.

Director of the Master of Science in Transportation, 1983 – 1998.

Faculty Associate, Center for Urban Affairs and Policy Research, 1981- 1992.

Technological Institute, Committee on Tenure and Promotion, 1982-1988.

Parking and Traffic Committee, Northwestern University, 1977 – 1980; Chairman, 1978-1980.

Search Committee, Director, The Transportation Center, 1978 – 1979.

SELECTED  
PUBLICATIONS

Koppelman, F.S., G.M. Coldren and R.A. Parker, *Schedule Delay Impacts on Air-travel Itinerary Demand*, Transportation Research-B, Accepted for Publication.

Kumar, D., C. Hoyle, W. Chen, N. Wang, G. Gomez-Levi and F.S. Koppelman, *Incorporating Customer Preferences and Market Trends in Vehicle Package Design*, Proceedings of Design Engineering Technical Conferences, ASME, September 4-7, 2007.

Koppelman, F.S., *Closed Form Discrete Choice Models*, Handbook of Transport Modeling Hensher, D.A. and K.J. Button (eds.), Elsevier Science Ltd., December 2006

Koppelman, F.S. and Garrow, L.A., *Examples of how to use nested logit models with choice-based samples*, Transportation Research Record 1921, 2005, pp.63-69.

Coldren, M. and F.S. Koppelman, *Modeling the competition among air-travel itinerary shares: GEV model development*, Transportation Research-A, V39, N4, 2005, pp.345-365.

Vovsha, P., Gliebe, J., Petersen, E. and F.S. Koppelman, *Comparative Analysis of Sequential and Simultaneous Choice Structures for Modeling Intra-Household Interactions*, in Progress in Activity-Based Analysis, Timmermans, H. (ed.), Elsevier, 2005.

Garrow, L.A., F.S. Koppelman and B.L. Nelson, *Efficient estimation of nested logit models using choice-based samples*, in Transportation and Traffic Theory Flow, Dynamics and Interactions, Mahmassani, H.S. (Ed.), Oxford, UK: Elsevier, 2005, pp. 525-544.

Gliebe, J.P. and F.S. Koppelman, *Modeling household activity–travel interactions as parallel constrained choices*, Transportation, V32, N5, 2005, pp. 449 – 471.

Koppelman, F.S., *The Influence of Uncertainty on Travel Choice Behavior*, in The Reliability of Traveling and the Robustness of Transport Systems, TRAIL Research Center, Delft, May 2005.

Koppelman, F.S. and V. Sethi, *Incorporating Variance and Covariance Heterogeneity in the Generalized Nested Logit Model: An Application to Modeling Long Distance Travel Choice Behavior*, Transportation Research B, N39B, 2005, pp. 825-853.

Lee, B.H., J.L. Schofer, and F.S. Koppelman, *Bicycle Safety Helmet Legislation and Bicycle-Related Non-Fatal Injuries in California*, Accident Analysis and Prevention, V.37, N.1, 2005, pp. 93–102.

Erhardt, G.D., Koppelman, F.S., Freedman, J., Davidson, W.A., Mullins, A., *Modeling The Choice To Use Toll And High-Occupancy Vehicle Facilities*, Transportation Research Record, N.1854, Washington, D.C., 2004.

Garrow, L.A. and F.S. Koppelman, *Predicting air travelers' show, no-show and standby behavior using passenger and directional itinerary information*, Journal of Air Transport Management, V.10, 2004, 401-411.

Garrow, L.A. and Koppelman, F. S. (2004). *Multinomial and nested logit models of airlines passengers' no-show and standby behavior*, Journal of Revenue and Pricing Management, V.3, N.3. 2004, 237-253.

- Coldren, G.M. and F.S. Koppelman, *Modeling the competition among air-travel itinerary shares: GEV model development*, *Transportation Research Part A*, 39 (4), 2005, 345-365
- Garrow, L.A. and F.S. Koppelman, *Mixed Nested Logit Models: Integrating Flexible Closed-Form Models with Random Coefficients*, *Proceedings*, 83<sup>rd</sup> Annual Meeting, Transportation Research Board, 2004.
- Coldren, G.M. and F.S. Koppelman, *Modeling the Proximate Covariance Property of Air Travel Itineraries along the Time-of-Day Dimension*, *Transportation Research Record*, 1915:112-123, Transportation Research Board, 2005.
- Dong, X. and F.S. Koppelman, *Mass Point Mixed Logit Model: Development and Application*, *Proceedings*, 10<sup>th</sup> International IATBR Conference, Lucerne, 2003.
- Coldren, G.M., F.S. Koppelman, K. Kasturirangan, A. Mukherjee, *Air Travel Itinerary Share Prediction: Logit Model Development At A Major U.S. Airline*, *Journal of Air Transportation Management*, V.9, N.6, 2003, pp 361-369.
- K. Kasturirangan, R. Pendyala and F.S. Koppelman (2002). *History Dependence in Daily Activity Participation and Time Allocation For Commuters*, *Transportation Research Record*, N 1807, 2003, pp129-136.
- J.P. Gliebe and F.S. Koppelman, *A Model of Joint Activity Participation*, *Transportation*, V 29, N 1, 2002, pp.49-72.
- F.S. Koppelman, V. Sethi, C-H. Wen, *Alternative nested logit models: a response to comments by Andrew Daly on an earlier paper of Frank Koppelman and Chieh-hua Wen*, *Transportation Research Part B: Methodological* (35)8 (2001) pp.725-729
- V. Sethi and F.S. Koppelman, *Incorporating Complex Substitution Patterns with Distance and Variance Scaling in Long Distance Travel Choice Models*, Hensher, D.A. and King, J. (eds) *Travel Behavior Research, the Leading Edge*, Pergamon Press, Oxford, 2001.
- C-H. Wen and Frank S. Koppelman, *The Generalized Nested Logit Model*, *Transportation Research-B*, V.35, N.7, 2001, pp. 627-641.
- F.S. Koppelman and V. Sethi, *Closed Form Logit Models*, Chapter, *Handbook of Transport Modeling*, D.A. Hensher and K.J. Button (eds.), Elsevier Science Ltd., December 2000, pp211-228.
- F.S. Koppelman and C-H Wen, *The Paired Combinatorial Logit Model: Properties, Estimation and Application*, *Transportation Research-B*, V.34, N.2, 2000, pp.75-89.
- C-H. Wen and F.S. Koppelman, *A Conceptual and Methodological Framework for the Generation of Activity-Travel Patterns*, *Transportation*, V.27,N.1,2000, pp. 5-23.
- Sermons, M W. and F.S. Koppelman (2001), *Representing the Differences between Female and Male Commute Behavior in Residential Location Models*, *Journal of Transport Geography*, V.9, N.2, pp. 101-110.

C-H Wen and F.S. Koppelman, *Integrated Model System of Stop Generation and Tour Formation for Analysis of Activity and Travel Patterns*, Transportation Research Record 1676, 1999, pp. 136-144.

Gliebe, J.P., F. S. Koppelman and A. Ziliaskopoulos, *Route Choice Using a Paired Combinatorial Logit Model*. Proceedings, 78th Annual Meeting of the Transportation Research Board, Washington, D.C., 1999.

C.R. Bhat and F.S. Koppelman, *Activity-Based Modeling of Travel Demand*, in Handbook of Transportation Science, R.W. Hall, Kluwer Academic Publishers, 1999, pp.39-65.

K.E. Proussaloglou and F.S. Koppelman, *The Choice of Carrier, Flight and Fare Class*, Journal of Air Transport Management, V.5, N.4, 1999, pp.193-201.

C.R. Bhat and F.S. Koppelman, *A Retrospective and Prospective Survey of Time-Use Research*, Transportation, V.26, N.2, 1999, pp.119-139.

F.S. Koppelman and C-H Wen, *Nested Logit Models: Which are You Using?* Transportation Research Record, V.1645, 1999, pp.1-7.

Joseph L. Schofer, Frank S. Koppelman and William A. Charlton, *Designing ATIS for Familiar Drivers: Preliminary Behavioral Concepts*, in P. Nijkamp and R. Emmerink, eds., Behavioral and Network Impacts of Driver Information Systems, Ashgate Publishing, 1999.

M.W. Sermons and F.S. Koppelman, *Factor Analytic Approach to Incorporating Systematic Taste Variation into Models of Residential Location Choice*, Transportation Research Record, V.1617, 1998, pp.194-202.

F.S. Koppelman and C-H. Wen, "Alternative Nested Logit Models: Structure, Properties and Estimation," Transportation Research-B, V.32, N.5, 1998, pp289-298.

"Designing ATIS for Familiar Drivers: Preliminary Behavioral Concepts," J.L. Schofer, F.S. Koppelman and W.A. Charlton, Chapter in Behavioral and Network Impacts of Driver Information Systems, R.Emmerink and P. Nijkamp (eds.), 1997.

"Formal Evaluation of the ADVANCE Targeted Deployment," C.L. Saricks, P.A. Belella, F.S. Koppelman, J.L. Schofer and A.K. Sen, Proceedings, ITS America, April 15-17, 1996.

"Assessing the effectiveness of individual vehicle movement characteristics on the detection of roadway incidents," M.W. Sermons and F.S. Koppelman, Transportation Research - C, V. 4, N. 2, pp. 87-96, 1996.

"Measures of Route Similarity and Compliance: Application to ATIS," S.A. Shbaklo, F.S. Koppelman and Joseph L. Schofer, Proceedings, Transportation Congress: Civil Engineers - Key to the World's Infrastructure, ASCE, New York, pp. 322-335, October 22-26, 1995.

"Arterial Incident Detection Integrating Data from Multiple Sources," N. Bhandari, F.S. Koppelman, J.L. Schofer, V. Sethi and J.N. Ivan, Transportation Research Record, V.1510, pp.

60-69, 1995.

"Real-time data fusion for arterial street incident detection using neural networks," J.N. Ivan, J.L. Schofer, F.S. Koppelman and L.E. Massone, Transportation Research Record, V.1497, pp. 27-35, 1995.

"Automobile commuters' response to adverse weather: Effect of weather and traffic information and implications for information systems," A.J. Khattak, F.S. Koppelman and J.L. Schofer, Transportation Research - C, forthcoming, 1995.

"Air Carrier Demand: An Analysis of Market Share Determinants", K. Prousaloglou and F.S. Koppelman, Transportation, V.22, N.4, pp.371-388, 1995.

Expanding Metropolitan Highways: Implications for Air Quality and Energy Use; Special Report 245, Transportation Research Board, Multiple Authors, July 1995.

"Arterial incident detection using fixed detector and probe vehicle data," V. Sethi, N. Bhandari, F.S. Koppelman and J.L. Schofer, Transportation Research - C, V.3, N.2, pp. 99-112, 1995.

"Effect of traffic information on Commuters' Propensity to Change Route and Departure Time," A. Khattak, J. Schofer and F.S. Koppelman, J. of Advanced Transportation, Vol. 29, No. 2, pp. 193-212, 1995.

"A Structural and Empirical Model of Subsistence Activity Behavior and Income", C. Bhat and F.S. Koppelman, Transportation, V21, pp.71-89, 1994.

"An Analysis of Air Traveler's Departure Airport and Destination Choice Behavior", M. Furuichi and F.S. Koppelman, Transportation Research - A, V28A, N. 3, pp187-195, 1994.

"Commuters' Enroute Diversion and Return Decisions; Analysis and Implications for Advanced Traveler Information Systems," A.J. Khattak, J.L. Schofer and F.S. Koppelman, F.S. Koppelman, Transportation Research - A, V.27, N.2, pp101-111, 1993.

"An Endogenous Switching Simultaneous Equation System of Employment, Income and Car Ownership", C. Bhat and F.S. Koppelman, F.S. Koppelman, Transportation Research-A, V.27A, N. 6, pp447-459, 1993.

"A Conceptual Framework for Individual Activity Program Generation", C. Bhat and F.S. Koppelman, Transportation Research-A, V.27A, N. 6, pp433-446, 1993.

"Arterial Street Incident Detection Using Multiple Data Sources: Plans for the ADVANCE Project", J. Ivan, J. Schofer, C. Bhat and F.S. Koppelman, Proceedings, Pacific Rim Transportation Technology Conference, Seattle, July 1993.

"Driver Recruitability for Advanced Traveler Information System Experiments", C. Bhat, J. Schofer, F.S. Koppelman, and R. Batach, Transportation Research - C, V.1, N. 4, pp 265-274, 1993.

"Application and Interpretation of Nested Logit Models of Intercity Mode Choice", C. Forinash

and F.S. Koppelman, Transportation Research Record, V. 1413, pp. 98-106, 1993.

"Market Research Evaluation of Actions to Reduce Suburban Traffic Congestion: Commuter Travel Behavior and Response to Demand Reduction Actions", F.S. Koppelman, C.R. Bhat and J.L. Schofer, Transportation Research-A, V. 27A, N.5, pp.383-393, 1993.

"Stated Preferences for Investigating Commuters' Diversion Propensity", A. Khattak, F.S. Koppelman, and J. Schofer, Transportation 20: pp 107-127, 1993.

"Behavioural Issues in the Design and Evaluation of Advanced Traveler Information Systems", J. Schofer, A. Khattak and F.S. Koppelman, Transportation Research - C, Vol. 1, No. 2, pp 107-117, 1993.

"Flexible Assignment Approach to Itinerary Seat Allocation", Jinn-Tsai Wong, F.S. Koppelman, and M. Daskin, Transportation Research, Vol. 27B, No 1, 1993.

"The Evolution of Advance: Development of Operational Test of a Probe-Based Driver Information System in an Arterial Street Network: A Progress Report", A. Kirson, B.C. Smith, D. Boyce, P. Nelson, J. Hicks, J. Schofer, F.S. Koppelman, and C. Bhat, Proceedings, Vehicle Navigation and Information Conference 1992.

"Teleshopping or Going Shopping? An Information Acquisition Perspective", I. Salomon and F.S. Koppelman, Behaviour & Information Technology, Vol. 11, No. 4, pp 189-198, 1992.

"A Conceptual Overview of Advance", B.C. Smith, P. Pollock, F.S. Koppelman, C. Bhat, P. Nelson and D. Rorem, Proceedings, The 1992 IVHS America Conference, at Newport Beach, CA, May 1992.

"Factors Influencing Commuters' En Route Diversion Behavior", A. Khattak, J. Schofer and F.S. Koppelman, Transportation Research Record, N.1318, 1991.

"Teleshopping or store shopping? A Choice Model for Forecasting the Use of New Telecommunications Based Services", F.S. Koppelman, I. Salomon and K. Proussaloglou, Environment and Planning B: Planning and Design, Volume 18, pg. 473-489, 1991.

"Effect of Traffic Reports on Commuters' Route & Departure Time Changes", A. Khattak, J. Schofer and F.S. Koppelman, Proceedings, Vehicle Navigation and Information Conference, 1991.

"Commuters' Enroute Diversion and Return Decisions: IVHS Design Implications," A.J. Khattak, J.L. Schofer and F.S. Koppelman, Proceedings, 6th International Conference on Travel Behavior, Quebec City, Canada, May 22-24, 1991.

"Task Allocation Among Household Members: Theory and Analysis," Proceedings, Fifth International Conference on Travel Behavior, Institut National de Recherche sur les Transports et leur Securite, Aix-en-Provence, France, 1991 (Koppelman, F.S. and T.A. Townsend).

"Intercity Travel Choice Behavior: Theory and Empirical Analysis," Proceedings, Fifth International Conference on Travel Behavior, Institut National de Recherche sur les Transports

et leur Securite, Aix-en-Provence, France, 1991 (Koppelman, F.S. and M. Hirsh).

“Activity Analysis: State of the Art and Future Directions,” in Developments in Dynamic and Activity-Based Approaches to Travel Analysis, P. M. Jones (ed.), Gower Publishing, Brookfield, Vermont 1990 (P. M. Jones, F.S. Koppelman and J. P. Orfeuil).

“Analysis of Mode Choice Behavior in the CTA Service Area, Proceedings, Metropolitan Conference on Public Transportation Research, 1989.

“Multidimensional Model System for Intercity Travel Choice Behavior,” Transportation Research Record, No. 1241, 1989.

“Use of Traveler’s Attitudes in Rail Service Design,” Transportation Research Record, No. 1221, 1989 (Koppelman, F.S. and K. Prousaloglou).

“Convergence Error in Equilibrium Traffic Assignment Models,” Transportation Research, V. 22B, N. 4, 1988 (G. Rose, M. S. Daskin and Koppelman, F.S.).

“Design of Urban Public Transit Services: An Attitudinal Approach Applied to Chicago Commuter Rail Services,” Proceedings, Metropolitan Conference on Public Transportation Research, June 1988, (Koppelman, F.S. and K. Prousaloglou).

“A Framework for Studying Teleshopping vs Store Shopping,” Transportation Research, V. 22A, N.4, 1988.

“Intercity Passenger Decision Making: Conceptual Structure and Data Implications,” Transportation Research Record, N. 1085, 1987 (Koppelman, F.S. and M. Hirsh).

“Market Analysis for Chicago Suburb to Central Area Commuters,” Proceedings, Metropolitan Conference on Transportation Research, 1986 (Koppelman, F.S. , M. Hirsh and J.L. Schofer).

“Transfer Model Updating with Disaggregate Data,” Transportation Research Record, N. 1037, 1986 (Koppelman, F.S. , G-K. Kuah, and C.G. Wilmot).

“Multidimensional Choice Model Transferability,” Transportation Research, Vol. 20B, No. 4, 1986 (Koppelman, F.S. and E. I. Pas).

“An Examination of the Determinants of Day-to-Day Variability in Individuals= Urban Travel Behavior,” Transportation, Vol. 13, N.2, 1986 (E.I. Pas and Koppelman, F.S.).

“Geographic Transfer of Travel Choice Models: Evaluation and Procedure,” in Optimization and Discrete Choice in Urban Systems, B. Hutchinson, P. Nijkamp, and M. Batty (eds.), Springer-Verlag, Berlin, 1985 (Koppelman, F.S. and Geoffrey Rose).

“Comparative Analysis of the Transferability of Disaggregate Automobile Ownership and Mode Choice Models,” Transportation Research Record, No. 987, 1984 (Eric I. Pas and Koppelman, F.S.).

“Travel-Activity Behavior in Time and Space: Methods for Representation and Analysis,” in

Measuring the Unmeasurable, P. Nijkamp (ed.), Martinus-Nijhoff, The Hague, 1984 (Koppelman, F.S. and E. I. Pas).

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