

CURRICULUM VITAE

GENEVIEVE GIULIANO

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EDUCATION:

B.A. History, University of California, Berkeley, 1965

Ph.D. Social Science (Transportation), University of California, Irvine, 1980

ACADEMIC POSITIONS:

- 2005 - Senior Associate Dean, Research and Technology
- 2002 - Courtesy appointment, Professor, Dept. of Geography
- 2001 - Director, METRANS Transportation Center, USC and Cal-State Long Beach
- 1997-1998 Vice Dean, Acting Dean, School of Urban Planning and Development
- 1998- Courtesy appointment, Professor, Dept. of Civil Engineering
- 1997- Professor, School of Policy, Planning and Development, University of Southern California
- 1994-1995 Visiting Professor, Department of Economics, University of California, Irvine
Research Fellow, Lincoln Institute of Land Policy
- 1992-1998 Director, Lusk Center Research Institute, School of Urban Planning and Development,
University of Southern California
- 1988-1997 Associate Professor, School of Urban Planning and Development, University of Southern
California
- 1983-1988 Associate Research Specialist and Assistant to the Director, Institute of Transportation
Studies, University of California, Irvine
- 1985-1988 Adjunct Lecturer, School of Social Science, University of California, Irvine
- 1983-1989 Lecturer, University of California Irvine, Extension Program

1982-1983 Associate Research Specialist, Institute of Transportation Studies, University of California, Irvine

1980-1982 Postdoctoral Researcher, Institute of Transportation Studies and School of Social Science, University of California, Irvine

RESEARCH INTERESTS:

Land use-transportation relationships; transportation planning and policy analysis; growth management; travel behavior analysis; information technology and transportation

AWARDS:

Thomas B. Deen Distinguished Lectureship, Transportation Research Board, 2006
W. N. Carey Jr. Distinguished Service Award, Transportation Research Board, 2005
Outstanding Faculty Award, School of Policy, Planning and Development, 2003
National Academies of Sciences, National Associate, 2002
Outstanding Contribution to Students, School of Urban Planning and Development, 1998
Lincoln Institute of Land Policy Research Fellowship, 1994-1995
University of California, Irvine, Career Development Award, 1987
Institute of Transportation Studies Post-Doctoral Fellowship, 1980-1982
National Science Foundation Fellowship, 1975-1977; 1978-1979

PUBLICATIONS:

Book:

Hanson, S. and G. Giuliano, eds., (2004) The Geography of Urban Transportation, third edition. New York: Guilford Press.

Refereed Publications:

Giuliano, G., C. Refearn, A. Agarwal, C. Li, D. Zhuan (2006) "Employment concentrations in Los Angeles, 1980 – 2000," *Environment and Planning A*, forthcoming.

Giuliano, G. and J. Dargay (2006) "Car ownership, travel and land use: The US and Great Britain," forthcoming, *Transportation Research A*. 40, 106-124.

Giuliano, G. (2005) "Low income, public transit and mobility," *Transportation Research Record 1927*, 63-72.

Moore, J., G. Giuliano, S. Cho (2004) "Secondary accident rates on Los Angeles Freeways", ASCE Journal of Transportation Engineering , 130(3), 280-285.
280-285. 2004

Giuliano, G. and D. Narayan (2003), "Another look at travel patterns and urban form: The US and Great Britain", Urban Studies, 40(11), 2295-2312.

Giuliano, G. (2003) "Residential location, race/ethnicity and travel behavior," Transportation Research A., 37(4), 351-372.

Moore, J., G. Giuliano and J. March, (2002) "Performance of automatic passenger counters in the Ventura-Lompoc Smart Card Demonstration Project," ITS Journal., 7,131-150.

Giuliano, G., J. Moore, J. Golob, T. O'Brien (2001) "Advanced technology and integrated public transit: The San Gabriel Valley Smart shuttle Field Operational Test," Transportation Research Record 1774, 44-51

Giuliano, G., J. Moore and J. Golob (2000) "An integrated fare system using smartcards: Results from a Field Operational Test, Transportation Research Record, 1735, 138-146.

Giuliano, G. (1999) "Land use and transportation: Why we won't get there from here," Transportation Research Circular, 492, 179-198.

Moore, J. and G. Giuliano (1999) "Functional evaluation of the Los Angeles Smart Card Field Operational Test," Transportation Research C, 6, 247-270.

Giuliano, G. and K. Small (1999) "The determinants of growth of employment subcenters," Journal of Transport Geography, 7, 189-201.

Giuliano, G. (1998) "Information technology, work patterns and intrametropolitan location: A case study," Urban Studies, 35 (7), 1077-1095.

Giuliano, G. and J. Golob (1998) "Impacts of the Northridge Earthquake on travel behavior," Journal of Transportation Statistics, 1 (2), pp 1-20.

Giuliano, G. and A. Gillespie (1997) "Research issues regarding societal change and transport," Journal of Transport Geography (Special Issue), 5 (3), pp. 165-176.

Golob, J. and G. Giuliano (1996) "Smart Traveler Automated Ridematching Service: Lessons learned for future ATIS initiatives," Transportation Research Record, No. 1537, pp. 23-30.

Giuliano, G. and J. Golob (1995) "Los Angeles Smart Traveler information kiosks: A preliminary report," Transportation Research Record, No. 1516, pp. 11-19.

Giuliano, G. (1994) "Equity and fairness considerations of congestion pricing," in Curbing Gridlock: Peak-Period Fees to Relieve Traffic Congestion. Transportation Research Board Special Report 242, Vol 2, Commissioned Papers. Washington, D.C.: National Academy Press.

Giuliano, G. and K. Small (1993) "Is the journey to work explained by urban structure?" Urban Studies, 30(9), 1485-1500.

Giuliano, G., K. Hwang, and M. Wachs (1993) "Employee trip reduction in Southern California: First year results," Transportation Research A, 27A (2), pp. 125-137.

Giuliano, G. (1992) "An Assessment of the political acceptability of congestion pricing," Transportation, 19, 335-358.

Wachs, M. and G. Giuliano (1992) "Employee transportation coordinators: A new profession in Southern California," Transportation Quarterly, 46(3), pp. 411-427.

Giuliano, G. (1992) "Transportation demand management: Promise or panacea," Journal of the American Planning Association, Vol. 58(3), pp 327-335.

Giuliano, G. (1992) "Is jobs housing balance a transportation issue?" Transportation Research Record, No. 1305, pp. 305-312.

Giuliano, G. and K. Small (1991) "Subcenters in the Los Angeles region," Journal of Regional Science and Urban Economics, Vol. 21(3), pp. 163-182.

Giuliano, G. and T. Golob (1990) "Staggered work hours for traffic management: A case study," Transportation Research Record, No. 1280, pp. 46-58.

Giuliano, G., D. Levine and R. Teal (1990) "Impact of HOV lanes on carpooling behavior," Transportation, Vol. 17, pp 159-177.

Giuliano, G. and T. Golob, (1990) "Using longitudinal methods for analysis of a short-term transportation demonstration project," Transportation, Vol. 17, pp 1-28.

Giuliano, G. (1989) "Incident characteristics, frequency and duration on a high volume urban freeway," Transportation Research A, Vol. 23A (5), pp 387-396.

Giuliano, G. and C. Lave (1989) "The high cost of a bargain: Winning the right to use part-time drivers," Transportation Research A, Vol. 23A (2), pp. 151-159.

Giuliano, G. (1989) "New directions for understanding land use and transportation," Environment and Planning A, Vol. 21, pp. 145-159.

Giuliano, G. (1988) "Testing the limits of TSM: The 1984 Los Angeles Summer Olympics," Transportation, Vol. 5, pp 143-161.

Giuliano, G. (1988) "Commentary: Women and employment," Urban Geography, Vol. 9 (2), pp. 203-208.

Giuliano, G. and R. Teal (1987) "Estimating the potential cost savings of transit service contracting," Transportation Research Record, #1108, pp 1-11. (Selected as the best paper submitted to the Bus Transit Systems Committee, and presented at a special session, "Contemporary Transit Issues" at the Annual Meeting of the Transportation Research Board, Washington, D.C., January, 1987).

Teal, R. and G. Giuliano (1986) "Contracting for Public Transportation Service," Transportation Planning and Technology, Vol. 10, pp 279-291.

Chomitz, K., G. Giuliano and C. Lave (1985) "Part-time public transit operators: Experiences and prospects," Transportation Research Record, No. 1013, pp 32-38.

Giuliano, G. (1985) "A multicriteria evaluation method for transportation investment planning," Transportation Research A, Vol. 19A (1), pp 29-41.

Berechman, J. and G. Giuliano (1985) "Economies of scale in bus transit: A review of concepts and evidence," Transportation, Vol. 12 (4), pp 313-332.

Teal, R., G. Giuliano and M. Brenner (1984) "Transit agency use of private sector strategies for commuter transportation," Transportation Research Record, No. 914, pp. 34-41.

Berechman, J. and G. Giuliano (1984) "Analysis of the cost structure of an urban bus transit property," Transportation Research, Vol. 18B (4/5), pp 273-288.

Teal, R. and G. Giuliano (1983) "Increasing the role of the private sector in commuter bus service provision: Experience, problems and prospects," Built Environment, Vol. 8 (3), pp 172-183.

Giuliano, G. (1981) "The effect of environmental factors on the efficiency of public transit service," Transportation Research Record, No. 797.

Teal, R. and G. Giuliano (1980) "Taxi-based community transit: A comparative analysis of system alternatives and outcomes," Proceedings, Transportation Research Forum, pp 86-93.

Giuliano, G. and D. Proserpi (1979) "A method for comparing transit performance in different operating environments," Proceedings, Transportation Research Forum, pp 297-305.

Giuliano, G. (1979) "Public transportation and the travel needs of women," Traffic Quarterly, Vol. 33 (4), pp 607-616.

Book Chapters, Reviews and other Articles:

Giuliano, G., P. Gordon, Q. Pan, J. Park, L. Wang (2006) "Estimating freight flows for metropolitan highway networks using secondary data sources," *Transportation Research Circular E-C088*, 154-158. Proceedings of TRB Commodity Flow Survey Conference, July 2005.

Delcombe, L. and G. Giuliano (2006) "Digital government research in the academy," *IEEE Computer*, 38 (12), 33 – 42.

Giuliano, G., T. O'Brien, S. Hayden, P. Dell'Aquila (2006) "Assessment of the terminal gate appointment system at Los Angeles and Long Beach ports," Paper 06-1345, presented at the 85th Annual Meeting, Transportation Research Board.

Giuliano, G. (2004) "Land use impacts of transportation investments, Highway and transit," in S. Hanson and G. Giuliano, eds., The Geography of Urban Transportation, 3rd edition. New York: Guilford Press.

Giuliano, G. and S. Hanson (2004) "Managing the auto," in S. Hanson and G. Giuliano, eds., The

Geography of Urban Transportation, 3rd edition. New York: Guilford Press.

Giuliano, G. and S. Hayden (2004) "Marketing public transit," in K. Button and D. Hensher, eds., Handbook of Transportation, Handbook 6: Transport Strategy, Policy and Institutions. Brighton, UK: Elsevier Press

Giuliano, G. (2004) "The urban transportation system", Chapter 2 in Institute for Transport Policy Studies, ed. Transport and the Environment: An International Perspective. Brighton, UK: Elsevier Press.

Giuliano, G. and D. Narayan (2004) "A Comparison of work and non-work travel: The US and Great Britain", in P. Rietveld and R. Stough, eds., Barriers to Sustainable Transport. London: E.T. Spon.

Pickup, L. and G. Giuliano (2004) "Transport and social exclusion in Europe and the USA," in K. Donaghy, S. Poppelreuter, and G. Rudiner, eds., Social Aspects of Sustainable Transport: Transatlantic Perspectives. London: Ashgate.

Giuliano, G., (2004) "Where is the 'region' in regional transportation planning?" in M. Pastor, P. Dreier, and J. Wolch, eds., Up Against the Sprawl: Public Policy and the (Re)Making of Southern California. Minneapolis, MN: U. Minnesota Press.

Agarwal, A., G. Giuliano, C. Redfearn (2004) *The Alameda Corridor: A White Paper*. Prepared for the conference "Alameda Corridor: A Blueprint for the Future?" University of Southern California, February 2004. Available at www.mettrans.org/whatsnew.

Giuliano, G. and T. O'Brien, (2003) "Beyond Benefits and Costs: Understanding Outcomes of ITS Deployments in Public Transit," in D. Gillen, ed. Measuring the Contribution of ITS to Transportation Services. Norwell, MA: Kluwer Academic Publishers.

Ambite, J-L., G. Giuliano, P. Gordon, Q. Pan, S. Bhattachajee (2002) "Integrating heterogeneous sources for better freight flow analysis and planning," Proceedings, dg.o 2002 Second Annual Digital Government Conference. Los Angeles, CA: Digital Government Center, Information Sciences Institute.

Giuliano, G. (2002) "Residential location and travel patterns among the elderly," in Transportation in an Aging Society. Transportation Research Board Special Report. Washington DC: National Academy of Sciences.

Giuliano, G. and A. Gillespie (2002) "Research issues regarding societal change and transport: An update," in W. Black and P. Nijkamp, eds., Social Change and Sustainable Transport. Bloomington, IN: Indiana University Press.

Giuliano, G. (2002) "Transportation geography," International Encyclopedia of Social and Behavioral Sciences. Oxford, UK: Elsevier Science, Ltd.

Berechman, J. and G. Giuliano (2002) "Economies of scale in bus transit: a review of concepts and evidence, in P. Rietveld, K. Button and P. Nijkamp, eds., Classics in Transport Analysis. UK: Edward Elgar Publishing Ltd. (Reprint of 1984 article, Transportation Research A.)

Deka, D. and G. Giuliano (2001) "What can you really achieve with community design standards?", in Proceedings: Conference on Urban Morphology.

Giuliano, G. (1998) "Urban travel patterns," in B. Hoyle and R. Knowles (eds), Modern Transport Geography, 2nd edition. Chichester, GB: John Wiley & Sons.

Giuliano, G. and M. Wachs (1997) "An employer panel for evaluating the effectiveness of trip reduction incentives," in T. Golob, L. Long and R. Kitamura (eds), Panels for Transportation Planning: Methods and Applications. Netherlands: Kluwer Press.

Banerjee, T., G. Giuliano, G. Hise and D. Sloane (1996) "Invented Streets: Third Street Promenade and City Walk," Lusk Review, 2(1), 188-27.

Giuliano, G. (1996) "Transporting L.A.," in M. Dear, G. Hise and E. Schockman (eds) Rethinking Los Angeles. Beverly Hills, CA: Sage Publications.

Giuliano, G. (1995) "Land use impacts of transportation investments: Highway and Transit," in S. Hanson (ed), The Geography of Urban Transportation, Second Edition. New York: Guildford Press.

Giuliano, G. (1995) "The weakening transportation-land use connection," Access, 6, Spring; pp. 3-11.

Giuliano, G. and K. Small (1995) "Alternative strategies for coping with traffic congestion," in Herbert Giersch (ed), Urban Agglomerations and Economic Growth. Heidelberg: Springer-Verlag, pp. 199-226.

Giuliano, G. (1993) "Environmental crisis and intervention in metropolitan Los Angeles," in Atti del Convegno, Mobilita e Vivibilita Traffico e Inquinamento: Dall Emergenza al Progetto. Padova, Italy: Fiera di Padova, pp. 265-278.

Wachs, M. and G. Giuliano (1993) "Transportation policy options for Southern California," in A.J. Scott (ed), Policy Options for Southern California, Lewis Center for Regional Policy Studies Working Paper No. 4, 85-103.

Giuliano, G. and M. Wachs (1992) "A comparative analysis of regulatory and market-based transportation demand management strategies," Reason Foundation Paper No. 148, Santa Monica, CA: Reason Foundation.

Giuliano, G. and M. Wachs (1992) "Responding to congestion and traffic growth: Transportation demand management" in Jay M. Stein, ed., Planning for Growth Management, Newbury Park, CA: Sage Publications. pp. 162-184.

Wachs, M. and Giuliano, G. (1991) "What can we expect from ridesharing?" Transportation Planning, Vol. XVIII (2), pp. 11-15.

Giuliano, G. (1991) Review of A Look Ahead: Year 2020, Transportation Research Board Special Report No. 221, in Transportation Research A, Vol. 25A (s), pp. 144-146.

Giuliano, G. (1990) "Transportation, land use and long range planning," Transportation Planning, Vol. XVII (2), pp 11-16.

Giuliano, G. (1988) "Land use impacts of toll roads: A review of the issues," in Proceedings of the Conference on Toll Roads and Transitways. Irvine, CA: Institute of Transportation Studies, University of California, Irvine.

Giuliano, G. (1986) "Land use impacts of transportation investments: Highway and transit," in Hanson, Susan, ed., The Geography of Urban Transportation. New York: Guildford Press.

Giuliano, G. and R. Teal (1985) "Privately provided commuter bus services: Experiences, problems and prospects," in Lave, Charles, ed., Urban Transit: The Private Challenge to Public Transportation. San Francisco, CA: Pacific Institute.

Giuliano, G. (1983) "Getting there: Women in transportation," in Zimmerman, Jan, ed., The Technological Woman: Interfacing with Tomorrow. New York: Praeger and Company.

Work in Progress:

Giuliano, G., C. Redfean, A. Agarwal, C. Li, D. Zhuang (2006) "The role of employment centers in the space economy: A case study of the Los Angeles Region", in preparation for submission to *Annals of Regional Science*.

Giuliano, G., T. O'Brien (2006) "The terminal gate appointment systems at the Ports of Los Angeles and Long Beach: An Assessment", in preparation for submission to *Transportation Research A*.

Giuliano, G., P. Gordon, Q. Pan, J. Park, L. Wang (2006) "Estimating freight flows for metropolitan area highway networks using secondary data sources," revised and presented at National Urban Freight Conference, February 2006; in preparation for journal submission (full-length paper).

Heidemann, J., G. Giuliano, F. Silva, U. Park (2006) "Single and multi-sensor techniques to improve urban vehicle classification," in preparation for journal submission.

Docherty, I. and G. Giuliano (2006) "Connected cities: Urban mobility, accessibility and sustainability, in R. Knowles, ed., *Transport Geographies*. London, UK: Blackwell.

Research Reports:

Giuliano, G., T. O'Brien, J. Maggadino (2005) *Evaluation of Terminal Gate Appointment System at Los Angeles and Long Beach Ports*. Final Report Project 04-06, METRANS Transportation Center.

Heidemann, J., G. Giuliano, F. Silva, X. Wang, M. Hu (2005) *SURE-SE Sensors for Unplanned Roadway Events – Simulation and Evaluation*. Draft Final Report, Metrans Project 04-08.

Giuliano, G., A. Agarwal, C. Li, A. Linder (2005) *Caltrans/MTA/Metrans Port Impact Study*. Final Report. Prepared for Caltrans and Los Angeles Metropolitan Transportation Authority.

Giuliano, G. (2004) *Transportation and Land Use: A Comparative Analysis*. Final Report, National Science Foundation Award 0137029, Geography and Regional Science.

Giuliano, G., A. Agarwal, C. Li, D. Zhuang (2004) Analysis of Los Angeles Metropolitan Spatial Structure, Final Report. Prepared for Los Angeles Metropolitan Transportation Authority.

Ambite, J.-L., G. Giuliano, P. Gordon (2003) Better Freight Flow Data for Analysis and Planning, Final Report 0138998, National Science Foundation.

Giuliano, G., H. Hu and K. Lee (2003) Travel Patterns of the Elderly, Final Report. METRANS National Center for Metropolitan Research, Los Angeles, CA: University of Southern California, www.metrans.org.

Giuliano, G., J. Moore, J. Golob, T. O'Brien (2002) San Gabriel Valley Smart Shuttle Field Operational Test, Final Report. California PATH Research Report UCB-ITS-PRR-2002-5. Berkeley, CA: University of California PATH.

Giuliano, G., H-H Hu, K. Lee (2000) The Role of Public Transit in the Mobility of Low Income Households, Final Report. Award No. 53-6600-4005 METRANS National Center for Metropolitan Research. Los Angeles, CA: University of Southern California.

Giuliano, G. (2000) "Residential location differences in people of color," in Travel Patterns of People of Color. USDOT, Federal Highway Administration. Columbus, OH: Batelle.

Moore, J., G. Giuliano, S-K Cho, L. Johnson (2000) Metro Freeway Service Patrol Impact on Freeway Accidents, Final Report. Los Angeles County Metropolitan Transportation Authority. Los Angeles, CA: University of Southern California

Giuliano, G. and J. Moore (1999) Public Transportation in Low Income Communities: A Case Study Final Report. Award No. 26-11-14, California Department of Transportation, Division of Mass Transportation. Los Angeles, CA: University of Southern California.

Giuliano, G., J. Moore and J. Golob (1998) Ventura/Lompoc Smart Card Demonstration Evaluation Final Report. Contract SA 1374-18318LD. Berkeley, CA: PATH.

Hart, J., C. Kwan, G. Giuliano, J. Moore (1998) Athena Project Documentation: Literature Review. Final Report. Los Angeles, CA: University of Southern California

Giuliano, G., J. Golob, D. Bahl, W. Lee and Y.C. Liao (1996) Impacts of the Northridge Earthquake on Transit and Highway Use. Final Report, Contract No. 0035 G 4A025, Los Angeles, CA: University of Southern California.

Giuliano, G. and J. Moore (1996) Evaluation of the I-110 Smart Card Demonstration Project. Final Report, Contract SA1178-18239MB, Berkeley, CA: PATH, University of California.

Giuliano, G. and D. Huang (1996) Work Schedules and Commuting Patterns. Final Report, Grant No. CA-80-X003, Los Angeles, CA: University of Southern California.

Giuliano, G., J. Golob and R. Hall (1995) Los Angeles Smart Traveler Field Operational Test Evaluation. Final Report, Contract SA1154-18224, Berkeley, CA: PATH, University of California.

Sloane, D., T. Banerjee, G. Giuliano and G. Hise (1995) Invented Streets: New Retail Formats. Research Report No. LCRI-96-01R.

Giuliano, G. and J. Golob (1994) Impacts of Compressed Work Week on Vehicle Trips and Travel. Final Report, Contract A132-136. Sacramento, CA: California Air Resources Board Research Division.

Giuliano, G., J. Golob, and R. Hall (1994) Los Angeles Smart Traveler Emergency Response Evaluation. Final Report, Contract 07H926EQ. Sacramento, CA: California Department of Transportation.

Giuliano, G. (1989) "Synthesis on relationships between transportation and urban form," Report 1, Federal Highway Administration Contract DTFH61-89-P-00531. FHWA Technical Paper. Los Angeles, CA: University of Southern California.

Giuliano, G. (1989) "Relationships between urban form and transportation: Implications for long range planning," Report 2, Federal Highway Administration Contract DTFH61-89-P-00531. FHWA Technical Paper. Los Angeles, CA: University of Southern California.

Giuliano, G. P. Nohalty and C. Waters (1989) Closed-Circuit Television for Freeway Surveillance. Final Report, Contract RTA 13945-55B579, California Department of Transportation. Irvine, CA: Institute of Transportation Studies, University of California, Irvine.

Giuliano, G. and T. Golob (1989) Evaluation of the 1988 Staggered Work Hours Demonstration Project in Honolulu, Final Report. Office of Lieutenant Governor, State of Hawaii.

Gordon, P., H. Richardson and G. Giuliano (1988) Travel Trends in Non-CBD Activity Centers, Final Report, Report No. UMTA-CA-11-0032-1, Urban Mass Transportation Administration. Los Angeles, CA: University of Southern California.

Teal, R., G. Giuliano, E. Morlok, J. Golob and T. Alexander (1988) Estimating the Costs Impacts of Transit Service Contracting Alternatives, Final Report. Report No. UMTA-CA-06-0220-1, Urban Mass Transportation Administration. Irvine, CA: Institute of Transportation Studies, University of California, Irvine.

Giuliano, G., J. Prashker, K. Haboian, K. Rutherford and W. Reker (1986) Evaluation of the 1984 Los Angeles Summer Olympics Traffic Management, Final Report, Contract RTA 13945-55B579, California Department of Transportation. Irvine, CA: Institute of Transportation Studies, University of California, Irvine.

Chomitz, K., G. Giuliano and C. Lave (1985) Fiscal and Organizational Impacts of Part-Time Labor in Public Transit, Final Report, UMTA-CA-06-0187-1, Urban Mass Transportation Administration, Institute of Transportation Studies and School of Social Sciences. Irvine, CA: University of California, Irvine.

Teal, R., G. Giuliano, M. Brenner, S. Rooney, J. Jacobs (1984) Private Sector Options for Commuter Transportation, Final Report. Report No. UMTA-CA-11-0022-1, Urban Mass Transportation Administration. Irvine, CA: Institute of Transportation Studies and School of Engineering, University of California, Irvine.

Giuliano, G., M. Berglund, P. Lyon and J. Berechman (1983) Making Transportation Corridor Investment Decisions with a Multimodal Framework, Final Report, California Business, Housing and Transportation Agency Grant BTH-81-001, Irvine, CA: Institute of Transportation Studies, University of California, Irvine.

Teal, R., G. Fielding, G. Giuliano, J. Marks and R. Goodhue (1980) Shared Ride Taxis as Community Level Transit, Final Report. Report No. UMTA-CA-11-0017, Urban Mass Transportation Administration, Irvine CA: Institute of Transportation Studies and School of Social Sciences, University of California, Irvine.

EXTRAMURAL AWARDS:

In Progress:

Compliance and Commercial Vehicle Operators: A Systems Evaluation of the Problem and Virtual Solutions, California PATH, \$87,950, November 2005 – June 2007.

I-710 ITS Virtual Weigh Station Evaluation Plan, Caltrans, \$20,000, July 1, 2004 – March 31, 2007.

Emergence, Growth and Decline of Employment Centers (with Chris Redfearn), Lusk Center for Real Estate, \$30,000, June 2005 – September 2006.

ARGOS: Dynamic Composition of Web Services for Goods Movement, (with Jose-Luis Ambite, ISI, Peter Gordon), National Science Foundation, Award 0306905, Computer and Information Sciences and Engineering, \$1,050,000, September 2003 – December 2006.

METRANS National Center for Metropolitan Research (G. Giuliano, PI; P. Ioannou, J. Moore Co-PIs). U.S. Department of Transportation, \$5,500,000 July 1998 - June 2005; \$780,000 July 2005 – June 2006; \$860,000 July 2006 – June 2007.

MOU between Caltrans and USC for Cooperation of Transportation Research, (G. Giuliano P.I.; P. Ioannou, J. Moore Co-PIs). California Department of Transportation, \$1,600,000 July 1998 - June 2002; \$2,000,000 July 2002 – June 2004, \$1,000,000 July 2004 – June 2005; \$4,000,000 July 2005 – June 2009.

Completed (since 1995):

Evaluation of the LA/LB Ports Appointment System, METRANS Transportation Center, (with Joe Maggadino, CSULB), \$147,000, February 2004 – December 2005.

Evaluation of the 2002 Port Shutdown, Caltrans/MTA/Metrans, total \$77,500, July 1 2004 – March 31, 2005.

SURE-SE: Sensor Networks for Traffic Monitoring, (with John Heidemann, ISI), METRANS Transportation Center, \$75,000. January 2004 – February 2005

Analysis of Los Angeles Region Spatial Structure, Los Angeles Metropolitan Transportation Authority, \$150,000; January 2003 – June 2004.

Transportation and Land Use: A Comparative Analysis, National Science Foundation, Geography and Regional Science, Award 0137029, \$105,000; February 2002 – July 2003.

Communications Technology and Urban Governance, (Chris Weare PI, with S. Ball-Rokeach, G. Giuliano, J. Musso), National Science Foundation, Information Technology Research Program, \$435,478, October 2001 – September 2004

Subcenters in Los Angeles, \$6,000, Lusk Center for Real Estate Summer Research Grant, Summer 2003.

Better Freight Data for Transportation Planning, (G. Giuliano, P. Gordon, J-L Ambite), National Science Foundation, Computer and Information Sciences Engineering Directorate, \$99,500 (joint with USC Information Sciences Institute), December 2001 – January 2003.

Information Technology, Society and Space, \$70,000, Provost's Urban Initiative, July 2000 - June 2002.

Travel Patterns of the Elderly, \$46,251, METRANS National Center for Metropolitan Research, USDOT & Caltrans, September 2000 - August 2001.

Another look at travel patterns and urban form: The US and GB, \$5,000, Lusk Center for Real Estate Summer Research Grant, Summer 2001.

International Comparison of Daily Travel Patterns, \$30,000, General Motors Corporation, August 1999 - December 2000.

The Role of Public Transit in Mobility of Low Income Households, \$50,000, METRANS National Center for Metropolitan Research, U.S. DOT & Caltrans, June 1999 - September 2000.

Metro Freeway Service Patrol Impact on Freeway Accidents (with J. Moore, P.I.), Los Angeles County Metropolitan Transportation Authority, \$77,000, June 1998 - August 2000.

Evaluation of San Gabriel Valley Smart Shuttle FOT (with J. Moore), California Department of Transportation, \$278,000, January 1998 - September 2000.

Impacts of Federal Transportation Policy on Los Angeles, Southern California Studies Center, \$8,000, September 1998 – June 2000.

Business Seismic Risk Strategies (with R. Sivitanadou), Pacific Earthquake Engineering Research Central, National Science Foundation, \$75,000, July 1998 - December 1999.

Measuring Social Equity in Public Transit: A Case Study, University of California Transportation Center, \$63,688, August 1996 - July 1999.

Evaluation of Project ATHENA, California Department of Transportation, \$149,603 (Year I), June 1996 - June 1997.

Ventura/Lompoc Smart Card Demonstration Evaluation (with J. Moore), California Department of Transportation, \$187,000, May 1995 - December 1997.

Public Transportation Services in Low Income Communities: A Case Study (with J. Moore), Federal Transit Administration, \$30,000, July 1997 - June 1998.

Integration of Land use Planning with Multimodal Transportation Planning, National Cooperative Highway Research Program (with Parsons-Brinckerhoff and University of Texas), \$40,800 (USC portion), January 1996 - March 1997.

Work Schedules and Commuting Patterns, Federal Transit Administration, \$43,000, July 1994 - December 1995.

Impacts of the Northridge Earthquake on Transit and Highway Use, USDOT Bureau of Transportation Statistics, \$79,000, July 1994 - October 1995.

Los Angeles Smart Traveler Field Operational Test Evaluation (with R. Hall), California Department of Transportation, \$149,000, January 1994 - June 1995.

Evaluation of the I-110 Smart Card Demonstration Project (with J. Moore), California Department of Transportation, \$58,000, January 1994 - June 1995.

Analysis of Trip Chaining Related to the Work Trip, USDOT/UC Transportation Center, \$54,466, August 1993 - July 1995.

New Retail Formats: Invented Streets (with T. Banerjee, G. Hise and D. Sloane), International Council of Shopping Centers, \$10,000, April 1994 - April 1995.

CONFERENCE PARTICIPATION, 1996-Present:

Distinguished Lectures:

- | | |
|----------------|---|
| January 2007 | “The changing landscape of transportation decision-making”, Thomas Deen Distinguished Lectureship, Transportation Research Board. |
| September 2003 | “Innovative finance for transportation infrastructure in the US: An assessment”, Seoul Development Institute, Seoul, Korea. |
| September 2001 | “Another look at travel patterns and urban form,” keynote speech for College of Social Sciences, Florida State University 150 th Anniversary Celebration, Tallahassee, FL. |
| March 2001 | “Land Use, Transport and the New Economy,” Visiting Scholars Seminar, University Transportation Center, New York. |
| May 2000 | “Information Technology, Transportation and Urban Form,” (keynote speech) The Seventh Symposium on Policy Studies, Institute for Transport Policy Studies, Tokyo, Japan. |
| November 1998 | “Information Technology: Changing How We Live and Where We Work,” University of Minneapolis, Center for Transportation Studies, Minneapolis |

Invited Presentations at Special Conferences (since 1996):

- November 2004 “Transport in growing cities: Opportunities and challenges,” presented at Urban Development in the 21st Century Conference, Huazong University of Science and Technology, Wuhan PRC, November 2004.
- November 2003 “Road pricing as innovative finance,” International Pricing Symposium, Miami, FL.
- February 2003 “Urban travel trends,” CUTE Conference on Transport and the Environment, Tokyo, Japan.
- December 2002 “Innovative finance in context,” AASHTO/USC Project Finance Institute, Washington, DC.
- September 2001 “Travel patterns and urban form: The US and Great Britain,” Institute of Transportation Studies Seminar Series, UC Berkeley.
- June 2001 “Moving people within and between regions,” California Transportation Futures Conference, Universal City, sponsored by Caltrans.
- December 2000 “Los Angeles: The Next Thirty Years”, Activism and Mobility in the Global City Conference, Los Angeles, CA.
- November 2000 “Changes in the Economy” Impacts on Location and Transportation in California,” Symposium on Forces Shaping Mobility Strategies, Sacramento, CA.
- October 2000 “Changing Work and the New Economy: Implications for Transportation and Land Use in California,” Lake Arrowhead Conference on Transportation, Land Use and the Environment, Lake Arrowhead, CA.
- November 1999 “Changing Urban Form and Travel: An International Perspective,” Driving America: A National Conference on Mobility, Washington, DC.
- June 1999 “Residential Location Differences in People of Color,” Transportation Research Board Conference, Personal Travel: The Long and the Short of It, Washington, DC (also presented at TRB Annual Meeting, January 2000, Washington, DC).
- October 1998 “Transportation and Urban Development,” Presented to Governor’s Transportation Solutions Group, University of Maryland.
- June 1998 “What Can We Really Achieve with Community Design Standards?” Conference on Urban Growth: Addressing the Reality of Suburbia, Drachman Institute and Fannie Mae Foundation, Phoenix, AZ.
- March 1998 “Changing Technology, Work Patterns and Urban Form: Implications for Travel; Symposium on Transportation Models in the Policy-Making Process: Uses, Misuses and Lessons for the Future.” Conference in memory of Greg Harvey. Asilomar Conference Center, Monterey, California

- February 1998 "Transportation and Land Use: An International Perspective," Urban Planning Seminar Series, Portland State University, Portland, OR
- August 1997 "Land Use Policy and Transportation: Why We Won't Get There From Here," Conference on Policies for Fostering Sustainable Transportation Technologies. Sponsored by US Department of Energy, US Department of Transportation, UC Transportation Center, Toyota USA; Pacific Grove, California.
- October 1996 "Research Issues Regarding Societal Change and Transport," Joint Research Meeting, sponsored by *National Science Foundation* and *European Science Foundation Workshop*, Strasbourg, France.
- October 1996 "Issues of Urban Design, Telecommuting and Travel Behavior" (keynote address), Conference on Urban Design, Telecommuting and Travel Behavior, Travel Model Improvement Program, sponsored by *Federal Highway Administration* and *Environmental Protection Agency*.
- August 1996 "Effects of AHS on Urban Land Use and Metropolitan Form," Panel on Land Use and AHS, sponsored by the *National Automated Highway System Consortium*, Pittsburgh, Pennsylvania.

Conference Papers and Presentations (since 1996):

- November 2006 "A model for estimating intra-metropolitan freight flows", to be presented at the ACSP Annual Conference, Fort Worth, TX, November 2006.
- January 2006 "Assessment of the appointment system at the Ports of Los Angeles and Long Beach," Poster presentation, TRB Annual Conference.
- October 2005 "The Role of Employment Centers In The Space Economy: A Case Study Of The Los Angeles Region", presented at the ACSP Annual Conference, Kansas City, MO, October 2005; under revision for publication submission
- July 2005 Estimating freight flows for metropolitan highway networks using secondary data sources", presented at the TRB Commodity Flow Survey Data Conference, Boston, MA, July 2005
- January 2005 "Low income, public transit and mobility," presented at TRB conference, paper 05-0435; "Car ownership, travel and land use: The US and Great Britain," presented at TRB conference, paper 05-1439.
- October 2004 "Not all sprawl: Evolution of employment concentrations in Los Angeles, 1980 – 2000, Association of Collegiate Schools of Planning Annual Meeting, Portland, OR. (Also presented at Western Regional Science Association Meetings, February 2005, San Diego, CA).

- May 2004 “Argos: Dynamic composition of web services for goods movement analysis,” project highlight. Digital Government Conference dg.o 2004, Seattle, WA.
- March 2004 “Subcenters in Los Angeles, revisited” Southern Regional Science Association Annual Meeting, New Orleans, LA.
- June 2003 “A comparison of work and non-work travel: The US and Great Britain,” NECTAR Annual Conference, Umea, Sweden.
- January 2003 “Land Use Planning as an Ingredient of Transport Policies” STELLA Best Papers Session; and “Integrating heterogeneous data sources for freight flow analysis and planning”, Transportation Research Board Annual Meeting, Washington, DC.
- November 2002 “Residential location and travel patterns of the elderly,” Association of Collegiate Schools of Planning Annual Conference, Baltimore, MD.
- April 2002 “Impacts of Transportation on Social Exclusion: US Perspective”, STELLA Focus Group 3 Conference, Bonn, Germany
- April 2002 Institutional Issues: Land Use Planning as an Ingredient of Transport Policies STELLA Focus Group 5 Conference, Brussels, Belgium.
- March 2002 “Travel Patterns of the Elderly”, METRANS Annual Conference, Los Angeles, CA.
- February 2002 Beyond Benefits and Costs: Understanding Outcomes of ITS Deployments in Public Transit, Conference on Measuring the Contribution of ITS to Transportation Services, Sacramento, CA.
- January 2002 “Equity and Fairness Considerations of Pricing: Evidence from Southern California”, Transportation Research Board Annual Meeting, Washington DC.
- January 2001 “Advanced Technology and Integrated Public Transit”, Transportation Research Board Annual Meeting, Washington, DC.
- November 2000 “Travel, Location and Race/Ethnicity”, Association of Collegiate Schools of Planning Annual Meeting, Atlanta, GA.
- January 2000 “An Integrated Fare System Using Smart Cards: Results from a Field Operational Test”; “Residential Location Differences in People of Color”; “Technological Changes Affecting Transportation”, Transportation Research Board Annual Meeting, Washington, DC.
- November 1999 “Transportation Needs of the Disadvantaged”, METRANS Conference, Transportation for the Future: Southern California’s Place in the World, Los Angeles, CA.

- October 1999 “Smart Cards for Public Transit: Lessons for Transit Planning”, Association of Collegiate Schools of Planning Annual Meeting, Chicago, IL.
- October 1998 “Mobility in Inner City Los Angeles”, Association of Collegiate Schools of Planning Annual Meeting, Los Angeles, CA.
- September 1998 “Technological Changes Affecting Transportation,” California Transportation Research Conference. Sponsored by California Department of Transportation. Los Angeles, California
- June 1998 “Transportation and Land Use Policies: Goals and Realities.” Transportation Research Board Executive Committee Meeting, Sponsored by Transportation Research Board, National Academy of Sciences. Beckman Center, Irvine, California
- October 1997 “Transit and Mobility Among Low Income Households,” Getting Welfare Recipients to Work: Transportation and Welfare Conference. Sponsored by University of California Transportation Center, University of California at Los Angeles, California
- October 1996 "Information Technology, Work Patterns and Intrametropolitan Location: A Case Study," Committee on Taxation, Resources and Economic Development Annual Conference, Cambridge, MA.
- January 1996 "Impacts of the Northridge Earthquake on Transit and Highway Use"; "Smart Traveler Automated Ridematching Service: Lessons learned for future ATIS initiatives"; "Expanding Metropolitan Highways: Land Use and Travel Behavior Considerations", Transportation Research Board Annual Conference, Washington, DC.

Conference Organization

Conference Track Chair, WCTR Conference, Berkeley, CA, June 2007

Conference Chair, National Urban Freight Conference, Long Beach, CA., February 2006

Conference Co-Chair, dg.o 2005, Digital Government Conference, Atlanta, GA, May 2005

Conference organizer, “Mobility in the Metropolis: Making the Most of What We Have,” METRANS Transportation Center Annual Research Conference, USC, February 2005.

Conference organizer, “Alameda Corridor: Blueprint for the Future?”, METRANS Transportation Center, USC, February 2004.

TEACHING EXPERIENCE:

Courses:

Institutional and Policy Issues in Transportation, Urban Transportation Planning and Management, Advanced Urban and Regional Transportation Planning, Environmental Issues in Transportation and Land Use, Spatial Structure of Metropolitan Areas, Introduction to Planning, and Development, Research Design, Survey Research Methods, Governance, Place and the Public Sphere

PROFESSIONAL SERVICE:

Appointments:

California Transportation Research and Technology Review Panel, Chair (2006-)
 Council of University Transportation Centers Executive Committee (2005 – 2008)
 Transportation Research Board Executive Committee (2000 - 2006), Vice Chair 2002; Chair 2003; Chair, Subcommittee for Planning, Policy and Research (2004 – 2006)
 Institute of Transportation Studies, University of California – Davis, Advisory Board (2002 -)
 Keston Infrastructure Institute, USC, Advisory Board (2004 -)

Professional Memberships:

Transportation Research Board
 Western Regional Science Association
 Association of American Geographers

Referee:

Transportation Research, Transportation, Journal of Regional Science, Economic Geography, Journal of the American Planning Association, Journal of Planning Education and Research, Urban Geography, Journal of Regional Science and Urban Economics, Growth and Change, Transport Policy, others

National Science Foundation: Geography and Regional Science, Information Technology Research Program, Digital Government Program

Program Review:

Hebrew University, Dept. of Geography and Institute of Urban Studies (2006)
 University of California Institute of Transportation Studies, 15 year review (2004)
 National Science Foundation IGERT Program Review (2002)

Transportation Research Board, National Academy of Sciences Policy Studies:

Committee on Global Climate Change and Transportation (TRB and BASC), 2005 - 2007

Committee on Physical Activity, Health, Transportation, and Land Use (2005) *Does the Built Environment Influence Physical Activity? Examining the Evidence*. Special Report 282, Transportation Research Board and Institute of Medicine, National Academies

Committee for Evaluation of the Congestion Mitigation and Air Quality Program (2000 – 2002), *TRB Special Report 264*

Committee for an International Comparison of National Policies and Expectations Affecting Transit (1998 - 2000), *TRB Special Report 257*

Committee for Improving the Future of US Cities Through Improved Metropolitan Area Governance, Committee on Behavioral and Social Sciences and TRB (1996 – 1998), *Governance and Opportunity in Metropolitan America*. National Research Council, 1999.

Committee for the Study of the Impacts of Highway Capacity Improvements on Air Quality and Energy Consumption (1994 – 1995), *TRB Special Report 245*

Committee on Global Climate Change and US Transportation (2005 – 2007), Transportation Research Board and Board on Atmospheric Sciences and Climate

Committees, Boards - Current:

Editorial Board, Urban Studies (1997 -)

Editorial Board, Journal of Transport Statistics (1996 – 2006)

Executive Committee, Partners for Advanced Transit and Highways (PATH), University of California (2003-)

Social and Economic Impacts Committee, Transportation Research Board (2001-)

Sustainable Transportation Research and Analysis Network (STAR) (2002-)

Sustainable Transport in Europe and Links and Liasons with America (STELLA) (2002-)

Center for International Trade and Technology Policy Steering Committee, California State University, Long Beach (2002 -); Executive Committee (2004 -)

Humphrey Institute Surface Transportation Policy Program Review Committee, University of Minnesota (1998 – 2006)

Committees, Boards - Past (since 1996):

Comparative Study on Urban Transport and the Environment (CUTE) (2001- 2003)

Association of Collegiate Schools of Planning PhD Committee (2000 - 2002); Chair, PhD Workshop Subcommittee (2000-2002)

National Science Foundation/European Science Foundation Workshop on Transportation Research (1998 - 2001)

Western Regional Representative, Association of Collegiate Schools of Planning Executive Committee (1998 - 2000)

Federal Transportation Advisory Group (National Science and Technology Council Subcommittee on Transportation R&D) (2000-2001)

Co-Editor, North America, Urban Studies, 1992-1997

Editorial Board, Transportation Research, 1992 - 1998

Research Advisory Panel, Impacts of Information Technology on Society and Spatial Structure, Royal Institute of Technology, Stockholm, 1995-1996

McClure Prize Committee, Association of Collegiate Schools of Planning, 1990, 1993, 1996

PUBLIC SERVICE:

Committees, Boards - Current:

Southern California Association of Governments Goods Movement Task Force
Mobility Advisory Council, Southern California Auto Club

Committees, Boards - Past (since 1996):

Mayor's Task Force on Transportation, City of Los Angeles (2004 – 2005)
Faculty advisory group for California Statewide Transportation Plan (2000-2002)
Southern California Rideshare Board (1995-2001)
Expert Panel, USDOT Metropolitan Congestion Pricing Demonstration Grant (1993-1996)
Technical Advisory Committee, Orange County Transportation Authority Transit System
Analysis Modeling Project, (1995-1996)
Transportation Careers Academy Advisory Council, Locke High School, Los Angeles,
(1995-1996)

Revised August 2006