

Urban Land Use and Transportation Center / ITS
University of California, Davis
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EDUCATION

University of California, Berkeley, PhD, City and Regional Planning (2009)

Dissertation: *Planners and the Pork Barrel: Metropolitan Engagement in and Resistance to Congressional Transportation Earmarking.*

Committee: Martin Wachs (Chair), Karen Christensen, Robin Einhorn, John Ellwood

Funded by: U.S. Department of Transportation Eisenhower Fellowship

Distinction: 2010 Charles Wootan Award, Council of University Transportation Centers

Focus areas: Regional Planning • Transport Policy, Finance, & Sustainability • Governance

University of California, Los Angeles, MA, Urban Planning (2000)

Columbia University, BA, Major: History, Major: German Studies, *cum laude* (1993)

ACADEMIC APPOINTMENTS

University of California, Davis, Urban Land Use and Transportation Center

Post-Doctoral Researcher (2010 - present)

University of California, Davis, Department of Environmental Science and Policy

Lecturer (Jan. 2013 - present)

Rutgers University, Edward J. Bloustein School of Planning and Public Policy

Visiting Lecturer (2009)

City College, The City University of New York, Department of Civil Engineering

Visiting Lecturer (2009)

JOURNAL ARTICLES

- 11 (refereed) Lovejoy, K., Sciara, G.C., Salon, D., Handy, S. L., & Mokhtarian, P. (2013). "Measuring the Impacts of Local Land Use Policies on Vehicle Miles of Travel: The Case of the First Big Box Store in Davis, California." *Journal of Transport and Land Use*, 6(1), 25–39. <http://dx.doi.org/10.5198/jtlu.v6i1.336>
- 10 (refereed) Sciara, G. C. (2012). "Financing Congressional Earmarks: Implications for Transport Policy and Planning." *Transportation Research Part A: Policy and Practice*, 46(8), 1328-1342. <http://dx.doi.org/10.1016/j.tra.2012.05.00>
- 9 Sciara, G.C. (2012). Peering Inside the Pork Barrel. *Access*, 41, 16-22. (Adapted from Journal Article 10) <http://www.uctc.net/access/41/access-41-pork.pdf>
- 8 (refereed) Sciara, G.C. (2012). "Peering Inside the Pork Barrel: A Study of Congressional Earmarking in Transportation." *Public Works Management and Policy*, 17(3), 217-237. <http://dx.doi.org/10.1177/1087724X12445777>
- 7 (refereed) Sciara, G.C. (2012). "Planning for Unplanned Pork: The Consequences of Congressional Earmarking for Regional Transportation Planning." *Journal of the American Planning Association*, 78(3), 239-255. <http://dx.doi.org/10.1080/01944363.2012.694269>
- 6 (refereed) Sciara, G.C. "Earmark Pursuit Practices of MPOs and Their Members." *Transportation Research Record*, 2119 (2009): 58-65 <http://trb.metapress.com/content/u16028r40g788h4t/>

JOURNAL ARTICLES - *continued*

- 5 (refereed) Sciara, G.C., and Wachs, M. "Metropolitan Transportation Funding: Prospects, Progress, and Practical Considerations." *Public Works Management and Policy* 12, no. 1 (2007): 378-94. <http://dx.doi.org/10.1177/1087724X07303987>
- 4 (refereed) Weinstein, Asha, and Sciara, G.C. "Unraveling Equity in HOT Lane Planning: A View from Practice." *Journal of Planning Education and Research* 26 (2006): 174-85. <http://dx.doi.org/10.1177/0739456X06288093>
- 3 Sciara, G. C. "Making Communities Safe for Bicycles." *Access* 22 (2003): 28-32. (Adapted from Report 2) <http://www.uctc.net/access/22/Access%2022%20-%2005%20-%20Bicycles%20and%20Communities.pdf>
- 2 Sciara, G.C. "Isle Fly Away: The Future of Governors Island in New York Harbor." *City Limits* Aug/Sept (1997): 28-32. <http://www.citylimits.org/news/articles/2671/isle-fly-away>
- 1 Sciara, G.C. "New York City Pedestrians Just Want a Little Respect." *Community Policing* (1997).

BOOK CHAPTER

- 1 Sciara, G.C. (2002). U.S. Transportation Responses to NAFTA: A Window on U.S.-Mexico Transport Issues. In L. Fernandez & R. Carson (Eds.), *Both Sides of the Border - Transboundary Environmental Management Issues Facing Mexico and the U.S.* (378-394). Dordrecht, The Netherlands: Kluwer Academic Publishers.

MANUSCRIPTS UNDER REVIEW & WORKING PAPERS

- 3 Salon, D., Murphy, S., and Sciara, G.C. (Accepted with revisions.) "Local Climate Action: Motives, Enabling Factors, and Barriers." *Carbon Management*.
- 2 Sciara, G.C., Lovejoy, K., & Handy, S. L. "Intercept or Internet: Assessing Methods for Measuring Changes in Vehicle Miles of Travel." (Draft available by request.)
- 1 Sciara, G.C. "Rules and Institutions in the Evolution of U.S. Metropolitan Transportation Planning: 1962-2012." (Draft available by request.)

CONFERENCE PRESENTATIONS

- 15 (refereed) "Supporting GHG Reduction with Metropolitan Planning and Discretion: Institutional Perspectives on California's SB375." **Transportation Research Board Annual Meeting**, January 14, 2013, Washington, D.C.
- 14 "Regulations and the Evolving Roles of Metropolitan Planning Organizations." **Transportation Research Board Annual Meeting**, January 16, 2013, Washington, D.C.
- 13 (refereed) "Analyzing Regional Efforts to Nudge Local Land Use and Infrastructure Decisions toward GHG Reduction." **Association of Collegiate Schools of Planning Annual Conference**, November 4, 2012, Cincinnati, OH.
- 12 (refereed) "Measuring the Impacts of Local Land Use Policies on Vehicle Miles of Travel: The Case of the First Big Box Store in Davis, California." (with K. Lovejoy, D. Salon, S.L. Handy, & P. Mokhtarian) **Transportation Research Board Annual Meeting**, January 25, 2012, Washington, D.C.

CONFERENCE PRESENTATIONS – *continued*

- 11 “Meeting the Planning and Programming Challenges of Unplanned Pork.” Making Progress: Transportation Planners and Programmers Turn Ideas into Reality. Conference of the **Transportation Research Board Statewide Multimodal Transportation Planning Committee**. May 24, 2012, Denver, CO.
- 10 “Metropolitan Transportation Planning: An Institutional Perspective.” **California Air Resources Board**. November 7, 2011. Sacramento, CA.
- 9 (refereed) “Measuring the Impacts of Local Land Use Policies on Vehicle Miles of Travel: The Case of the First Big Box Store in Davis, California.” (with K. Lovejoy, D. Salon, S.L. Handy, & P. Mokhtarian) **Association of Collegiate Schools of Planning Annual Conference**, October 15, 2011, Salt Lake City, UT.
- 8 (refereed) “Measuring Impacts of Local Actions on Travel Behavior and Sustainable Transportation Outcomes.” (with K. Lovejoy, D. Salon, S.L. Handy, & P. Mokhtarian) **American Association of Geographers 2011 Annual Conference**, April 12, 2011, Seattle, WA.
- 7 (refereed) “Regional Engagement in Congressional Earmarking: Transportation Planning and Pork in New York and Dallas-Fort Worth,” **Association of Collegiate Schools of Planning Annual Conference**, October 7, 2010, Minneapolis, WI.
- 6 (refereed) “Planning *after* the Pork Barrel: Metropolitan Responses to Congressional Earmarking in Transportation.” **Association of Collegiate Schools of Planning Annual Conference**, October 1, 2009, Crystal City, VA.
- 5 (refereed) “Planning *for* the Pork Barrel: Earmark Pursuit Practices of Metropolitan Planning Organizations.” **Transportation Research Board Annual Meeting**, January 14, 2009, Washington, D.C.
- 4 (refereed) “Federal Transportation Earmarking and Metropolitan Planning: Earmark Pursuit Practices of MPOs and their Members.” **Association of Collegiate Schools of Planning Annual Conference**, July 2008, Chicago, IL.
- 3 “Funding Metropolitan Transportation: Regionalism Hits a Fork in the Road.” **Association of Metropolitan Planning Organizations**, 2006 Annual Conference, Ft. Lauderdale, FL.
- 2 “Beyond Lexus Lanes: Evaluating the Equity of HOT Lanes.” (with A. Weinstein) **12th International HOV Systems Conference**, April 17-18 2005, Houston, TX.
- 1 “Addressing the Equity Implications of HOT Lanes.” (with A. Weinstein) **Congestion Pricing Outreach Subcommittee**, Transportation Research Board Annual Meeting, January 2005, Washington, D.C.

INVITED LECTURES AND SEMINARS

- 3 “Elaboration of a Vision: The Evolution of Metropolitan Transportation Planning since the 1962 Highway Act” METRANS Seminar, **Sol Price School of Public Policy, University of Southern California**, February 13, 2013, Los Angeles, CA.
- 2 “Regional Engagement in Congressional Earmarking: Transportation Planning and Pork in New York and Dallas-Fort Worth,” **University of California Davis, Institute of Transportation Studies** Seminar Series, October 22, 2010, Davis, CA.
- 1 “Planners & the Pork Barrel: Metropolitan Engagement in and Resistance to Congressional Transportation Earmarking,” **New York University Rudin Center for Transportation, Urban Transportation and Planning Doctoral Series**, April 23, 2010, New York, NY.

TEACHING EXPERIENCE**Courses Taught**

- 2013 **Environmental Science and Policy Department, University of California, Davis**
Applied Social Science Research Methods (undergrad., 44 students), *Winter, (co-instructor)*
 Undergraduate lecture course designed to train students in the fundamentals of social science research design and in the application and assessment of different research methods.
- 2012 **Transportation, Technology and Policy Program, University of California, Davis**
Transportation Planning (graduate, 15 students), *Spring, (co-instructor)*
 Graduate seminar focusing on regional transport planning in the context of federal and state transport policy, and emphasizing current land use-transportation planning developments
- 2011 **Department of Civil and Environmental Engineering, University of California, Davis**
Transportation Policy (undergraduate, 40 students), *Fall, Instructor*
 Undergraduate transportation policy course introducing transportation challenges and policy measures related to the environment, personal travel, freight transport, and transport finance.
- 2009 **Edward J. Bloustein School of Planning and Public Policy, Rutgers University**
Transportation & Climate Change - Studio (graduate, 16 students), *Fall, Instructor*
 Graduate studio in coordination with the Climate Change Working Group of the North Jersey Transportation Planning Authority for developing strategies for integrating climate change concerns into its regional transportation planning processes.
- 2009 **Department of Civil Engineering, City College, The City University of New York**
Transportation Policy Seminar (graduate, 10 students), *Fall, (co-instructor)*
 Graduate seminar covering transportation policy making, analysis, and finance.

Courses Assisted

- 2004 **Department of City and Regional Planning, University of California, Berkeley**
Transportation Planning and Policy, *Fall, Teaching Asst., Prof. Martin Wachs*
 Graduate course. Consulted with students on paper development and exam preparation, maintained class website, planned field trips, and graded exams and papers.
- 2000 **Department of Urban Planning, UCLA**
Applied Microeconomics for Urban Planning, *Spring, Teaching Asst., Prof. Donald Shoup*
 Graduate course. Provided instructor support with term paper and exam grading.

FELLOWSHIPS

- 2008 **Dean's Normative Time Fellowship**, University of California, Berkeley
- 2007 **Dissertation Fellowship**, University of California Transportation Center
- 2004-2007 **Dwight D. Eisenhower Graduate Transportation Fellowship**, U.S. Department of Transportation
- 2003-2006 **Graduate Student Fellowship**, (a) University of California Transportation Center; (b) Dept. of City & Regional Planning, University of California, Berkeley
- 2004 **Helene Overly Graduate Scholarship**, Women's Transportation Seminar, Bay Area

RESEARCH GRANTS

- 2013 Principal Investigator, "Statewide Advanced Mitigation Funding and Financial Strategies," **Division of Environmental Analysis, California Department of Transportation**. (Agreement No. 74A0714.) \$280,136.
- 2012 Principal Investigator, "Characteristics of State Level Transportation Governance and Finance," Center for Excellence in Project Finance: **U.S. Department of Transportation** and **American Association of State Highway and Transportation Officials**. \$17,680.
- 2011 Project Director, "Building Support to Achieve Greenhouse Gas Targets from Land Use and Transportation Measures," **Hewlett Foundation**. \$72,404.

HONORS & AWARDS

- 2013 **Journal of Planning Education and Research Writing Workshop** (declined)
- 2013 **Transportation Research Board. Certificate of Appreciation.**
- 2010 **Charles A. Wootan Award, Council of University Transportation Centers**
Best Ph.D. dissertation in transportation policy and planning; national award.
- 2010 **Urban Transportation and Planning Doctoral Series**
New York University, Wagner Rudin Center for Transportation, New York, NY.
- 2000 **Award for General Excellence, Department of Urban Planning, UCLA**
- 2000 **Best Graduate Paper, American Planning Association, Transportation Division**
- 2000 **Eno Transportation Foundation Leadership Development Conference**
- 1999 **Harvey Perloff Scholarship for Urban Planning, Dept. of Urban Planning, UCLA**

REPORTS AND OTHER PUBLICATIONS

- 11 American Association of State Highway and Transportation Officials (AASHTO), National Conference of State Legislatures, Parsons Brinckerhoff, **Sciara, G. C.**, & Vergis, S. (Producer). (2012) **Transportation Governance & Finance State by State Interactive Online Mapping Tool. AASHTO Center for Excellence in Project Finance.**
http://www.transportation-finance.org/tools/state_by_state/map.aspx
- 10 Sciara, G.C., & Handy, S. L. (2013). Cultivating Cooperation without Control: California's MPO-driven Smart Growth Programs (No. UCD-ITS-RR-13-07). Davis, CA: **Institute of Transportation Studies, University of California.**
- 9 Sciara, G.C., & Salon, D. (2013). *Survey of Local Sustainability Practices in California: Report to the California Strategic Growth Council* (No. UCD-ITS-RR-13-08). Davis, CA: Institute of Transportation Studies, University of California.
- 8 Sciara, G.C. (2005). *Metropolitan-Level Transportation Funding Sources*. Washington, D.C.: **National Cooperative Highway Research Program** Project 08-36 (49).
http://narc.org/uploads/File/Transportation/Library/NCHRP_Metro_Funding.pdf
- 7 Weinstein, Asha and Sciara, G.C. "Assessing the Equity Implications of HOT Lanes." Report to the **Santa Clara Valley Transportation Authority**, November 2004, San Jose, CA. http://www.vta.org/projects/hot_lanes/hot_equity.pdf
- 6 Hoover, J., McDowell, B., and Sciara, G.C.. "Transit at the Table: A Guide to Participation in Metropolitan Decisionmaking." Washington, D.C.: **Federal Transit Administration**, 2004. <http://www.planning.dot.gov/Documents/TransitAtTable.pdf>

REPORTS AND OTHER PUBLICATIONS - *continued*

- 5 Perez, B.G., and Sciara, G.C.. "A Guide for Hot Lane Development." Washington, D.C.: U.S. Department of Transportation, **Federal Highway Administration**, 2003. (Available at <http://www.ibtta.org/files/PDFs/HOTLaneDevelopmentGuide.pdf>)
- 4 Sciara, G. C. "Traffic Congestion: Issues and Options, Conference Summary," Los Angeles: UCLA Institute of Transportation Studies-**UCLA Extension Public Policy Program**, 2003. 39 pgs.
- 3 Perez, B.G., & Sciara, G. C. (2001). *Innovative Financing Clearinghouse*. **National Cooperative Highway Research Program** Project 20-24(13). Developed content for clearinghouse on techniques used by public and private entities to finance transportation investments. <http://apps.trb.org/cmsfeed/TRBNetProjectDisplay.asp?ProjectID=528>
- 2 Sciara, G. C. "Bicycle Collisions in the City of Los Angeles." Los Angeles, CA: **City of Los Angeles Department of Transportation**, 2000.
- 1 Mondschein, A. and Sciara, G. C. "Inter-Regional Travel and Local Development: Summary of Proceedings of the Annual Symposium on the Transportation, Land Use and Air Quality Connection." Los Angeles: **UCLA Extension public Policy Program**, 1999. 39 pgs.

PROFESSIONAL CERTIFICATION AND AFFILIATIONS

American Institute of Certified Planners, 2002-present

American Planning Association

Transportation Research Board

Women's Transportation Seminar, Greater New York & San Francisco Bay Area Chapters

SCHOLARLY AND UNIVERSITY ACTIVITIES**Referee**

- *Advances in Decision Sciences*
- *Journal of the American Planning Association*
- *Journal of Planning Education and Research*
- *Mineta Transportation Institute*
- *Public Works Management and Policy*
- *Transportation Policy*
- *Transportation Research Board*
- *Urban Affairs Review*

Project Referee

University of California Multicampus Research Programs and Initiative (MRPI) on Sustainable Transportation: Technology, Mobility and Infrastructure. *The Role of Habitat Conservation Plans in Facilitating Transportation Infrastructure*. A Preliminary Investigation and Proposal for Further Research. (Sept. 2010 – Nov. 2011)

University Events and Seminars

Discussant, *Symposium on High-Speed Rail & Sustainability*. Center for Environmental Public Policy, Goldman School of Public Policy, University of California, Berkeley. November 29-30, 2012.

Panelist, *Urban Planning Professional Panel*

Student Planning Group, University of California, Davis, April 2011.

University Events and Seminars - *continued*

Seminar Organizer, Institute of Transportation Studies, Friday Seminar, University of California, Davis

Brian D. Taylor. "What's Youth Got To Do With It? Exploring the Travel Behavior of Teens and Young Adults." March 8, 2013. <http://www.its.ucdavis.edu/?seminar=march-8-2013>

Asha W. Agrawal, "*Paying for the Road, Bridges, and Bike Paths of the Future.*" February 24, 2012. <http://www.its.ucdavis.edu/?seminar=february-24-2012>

Rohit T. Aggarwala, *The Tragic Tale of Congestion Pricing in Manhattan*, December 2, 2011. <http://www.its.ucdavis.edu/?seminar=december-2-2011>

Symposium Moderator, *Environmental and Other Co-benefits of Developing a High Speed Rail System in California: A Prospective Vision 2010 – 2050*. Goldman School of Public Policy, University of California, Berkeley. December 2010.

Conference Discussant, Association of Collegiate Schools of Planning.

Founding Member, Governing Committee, 2005-present

Martin Wachs Distinguished Lecture in Transportation, University of California, Berkeley
Fundraising and program planning for annual lecture.

Assistant Editor, *Berkeley Planning Journal*, 2004-2005

Member, PhD Program Committee, 2004-2005

Department of City and Regional Planning, University of California, Berkeley

SERVICE TO PROFESSION**Transportation Research Board**

Chair, Subcommittee on Megaregions, (ADA20(1)) – 2011 - present

Member, Committee on Metropolitan Policy, Planning & Processes (ADA20) - 2009 - present

Member, Committee on Programming, Planning & Systems Evaluation (ADA50) - 2009 - present

National Summit on Future Transportation Funding and Finance Strategies: Implications for Planning, Public Policy, and Institutional Arrangements, New Orleans, LA. 2007. Invited Participant.

Women's Transportation Seminar, New York, Mentoring Committee, 2001-2003

Helped to develop chapter mentoring program pairing junior and senior practitioners.

New York / New Visions – Planning Consortium for Post 9/11 New York

Connections Committee, Member, 2001-2002

PROFESSIONAL CONSULTING & POLICY EXPERIENCE

Parsons Brinckerhoff Quade & Douglas, New York, NY

Senior Planner, 2000 – 2003

City of Los Angeles, Department of Transportation, Los Angeles, CA

Consultant, 1999 – 2000

Transportation Alternatives, New York, NY

Bicycle Program Director, 1997 – 1998

Tri-State Transportation Campaign, New York, NY

Media Coordinator, 1995 – 1996

German Parliament, Bonn, Germany

Legislative Aide to MP Christel Hanewinkel, *Bundestag Internship Program*, 1994

1. Susan Handy

Professor, Department of Environmental Science and Policy
Director, Sustainable Transportation Center
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2. Martin Wachs

Professor Emeritus of Urban Planning, UCLA
Principal Senior Researcher, RAND Corporation
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3. John Ellwood

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4. Brian D. Taylor

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