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Education

University of California, Davis

PhD, Agricultural and Resource Economics, May 2006

Dissertation Title: Cars and the City: An Investigation of Residential Location and Transportation Choices in New York City

Carleton College, Northfield, MN

BA in Physics, cum laude, June 1994

Awards, Grants, and Fellowships

Institute for Transport and Development Policy grant, 2009: \$15,854.

California Energy Commission Public Interest Energy Research (PIER) grant, 2009: \$262,323.

University of California, Davis Sustainable Transportation Center research grant, 2008: \$52,337.

Cross-Cutting Initiatives seed funding grant, Earth Institute, 2007: \$10,000.

Friends of ITS-Davis Outstanding Dissertation Award, 2006.

Robert Wood Johnson Foundation Active Living Research Dissertation Grant, 2004: \$20,000.

University of California Transportation Center Dissertation Grant, 2003: \$15,000

Dwight D. Eisenhower Graduate Fellowship and Travel Grant, US Dept. of Transportation, 2003: \$10,000.

Dwight D. Eisenhower Graduate Travel Grant, US Dept. of Transportation, 2002: \$1,500.

Integrative Graduate Education and Research Traineeship (IGERT), National Science Foundation, 10/99-9/01, 4/02-9/03.

University of California Transportation Center Fellowship, 10/98-6/99.

Research Experience

University of California, Davis, Institute of Transportation Studies (9/08 –), Economist

- Local government policies on land use, car use, and greenhouse gases in California
- Transit and economic development in Bogotá, Colombia and Guangzhou, China
- Travel choices in Nairobi, Kenya

The Earth Institute at Columbia University (9/06 – 8/08), Post-Doctoral Fellow

- Travel choices in Nairobi, Kenya
- Transit and economic development in Bogotá, Colombia
- Transportation, land use, and preferences in New York, NY
- Local government policies on land use, car use, and greenhouse gases in California

**University of California, Davis, Institute of Transportation Studies (9/98 – 8/00, 1/01 – 5/06),
Graduate Student**

- Dissertation research on transport mode, car ownership, and residential location choices (1/02 – 5/06)
- Greenhouse gas emissions from transport, Shanghai and Overview Reports prepared for the Pew Center on Global Climate Change (9/99-5/02)
- Energy use and emissions from the production of vehicle materials (2/99 – 9/99)
- New mobility research report (11/98 – 3/99)

Consultant for Environmental Defense (2/04-6/04)

- The Impact of Light-Duty Vehicle Regulation on Consumer Welfare: A Review of the Literature

**International Energy Agency, Energy and Environment Division, Paris (9/00 – 12/00), Staff
Researcher**

- An Initial View on Methodologies for Emission Baselines: Case Study on Transport

Environmental Defense Fund, New York, NY (8/96 – 8/98), Research Assistant

Tellus Institute, Boston, MA (9/94 – 1/95), Intern for the Energy Group

**Minnesotans for an Energy Efficient Economy and the Center for Energy and the Environment,
Minneapolis, MN (1/94 – 3/94), Intern.**

Teaching Experience

University of California, Davis.

Applied Research Methods. Environmental Science and Policy Dept, Instructor, 2009 & 2010.
Teaching Assistant, 2004.

Urban and Regional Planning. Environmental Science and Policy Dept, Instructor, 2009.

Transportation Policy and Planning. Civil and Environmental Engineering Dept, Co-Instructor,
2005 & 2009. Teaching Assistant, 2003.

Intermediate Microeconomics Course. Agricultural and Resource Economics Dept, Teaching
Assistant, 2002.

Work In Progress

Reducing greenhouse gas emissions through local government action: Case studies of California
cities (with Sinnott Murphy, Mark Lubell, Jay Feldman, Jeffrey Williams, Susan Handy, and
Daniel Sperling)

Using travel survey data to inform transport policy in Nairobi, Kenya (with Eric Aligula, Zachary
Gariy, and John Mutua)

Transportation, land use, and preferences: A case study of metropolitan New York. Preliminary results presented at the Association of Collegiate Schools of Planning conference, Oct. 2007 and at the Urban Affairs Association Conference, April 2008.

Why Western-style urban planning doesn't fix African cities: The case of Nairobi, Kenya. (with Julie Touber)

Do public transit investments promote economic development? Evidence from Bogotá, Colombia. (with Darby Jack and David Heres de Valle) Preliminary results presented at Association of Collegiate Schools of Planning conference, Oct. 2009.

Investigating the Land Use Impacts of a Large Bus Rapid Transit System: A Case Study in Guangzhou, China (with Sharon Shewmake and Geoff Morrison)

Papers

Mapping transport policy scenarios. Deborah Salon and James Wilen. Submitted to *Transport Policy*. Revisions requested.

Mobility, poverty, and gender: Travel "choices" of slum residents in Nairobi, Kenya. Deborah Salon and Sumila Gulyani. *Transport Reviews*, forthcoming.

Reducing greenhouse gas emissions from transportation. Daniel Sperling, Deborah Salon, and Nic Lutsey. Chapter in a Planners Advisory Service monograph entitled "Rebuilding America", 2009.

Neighborhoods, cars, and commuting in New York City: A discrete choice approach. Deborah Salon. *Transportation Research Part A: Policy and Practice*, 43(2), 180-196, 2009.

City carbon budgets: Aligning incentives for climate-friendly communities. Deborah Salon, Daniel Sperling, Alan Meier, Sinnott Murphy, Roger Gorham, and James Barrett. ITS-Davis research report UCD-ITS-RR-08-17. Submitted to *Energy Policy*. Revisions requested.

White paper on the impact of light-duty vehicle regulation on consumer welfare: a review of the literature. Deborah Salon. Report prepared for Environmental Defense, June 2004.

Transportation in developing countries: An overview of greenhouse gas reduction strategies. Daniel Sperling and Deborah Salon. Pew Center for Climate Change, May 2002. Available on www.pewclimate.org.

An initial view on methodologies for emission baselines: Case study on transport. Deborah Salon. International Energy Agency Information Paper, Oct. 2001. Available on www.iea.org.

Transportation in developing countries: Greenhouse gas scenarios for Shanghai, China. Deborah Salon, Hongchang Zhou, Daniel Sperling, and Mark Delucchi. Pew Center for Climate Change, July 2001. Available on www.pewclimate.org.

PAU system: A new concept to achieve sustainability in passenger transportation. Fernando Contadini and Deborah Salon. *Society of Automotive Engineers*, Technical paper 2000-01-0018, 1999.

California's Partial ZEV Credits and LEV II Program. Deborah Salon, Daniel Sperling, and David Friedman. Institute of Transportation Studies, UC Davis, RR-99-14, August 1999, 17 pp.

New mobility: Using technology and partnerships to create more efficient, equitable and environmentally-sound transportation. Deborah Salon, Daniel Sperling, Susan Shaheen, and Daniel Sturges. Institute of Transportation Studies, UC Davis, RR-99-1, Mar. 1999.

Applying greenhouse gas emissions trading to the light-duty vehicle sector. Deborah Salon and Daniel Dudek. *Transportation Research Record*, v.1664, 1999, pp. 3-8.

Selected Presentations

Does public transit benefit the poor? Evidence from Bogotá. ITS-Davis seminar series, Davis, CA, October 2008.

Transportation, land use, and preferences: A case study of metropolitan New York. Association of Collegiate Schools of Planning Conference, Milwaukee, WI, October 2007 and Urban Affairs Association Conference, Baltimore, MD, April 2008.

Travel 'choices' of slum residents in Nairobi, Kenya. (with Sumila Gulyani) Transportation Research Board Annual Meeting, Washington, D.C., Jan. 2008.

Spatial scenario analysis using discrete choice models with GIS: A case study of transport choices in New York City. Transportation Research Board Annual Meeting, Washington, D.C., Jan. 2007.

Transportation planning in Nairobi, Kenya: Why hasn't it worked? ITS-Davis seminar series, Davis, CA, Nov. 2006.

Understanding spatial patterns of behavioral response to policy change. Association of Collegiate Schools of Planning Conference, Fort Worth, TX, November, 2006.

Cars and the city? a model of the determinants of auto ownership and use for commuting in New York City with endogenous choice of residential location. Transportation Research Board Annual Meeting, Washington, D.C., Jan. 2006.

Walk trips, car ownership, and residential location choice in New York City: A study of the interrelated nature of decisions. Association of Collegiate Schools of Planning Conference, Kansas City, MO, Oct. 2005.

Cars and the city? A model of the determinants of auto ownership and use in New York City. Pan-American Studies Institute, Querétaro, Mexico, July 2005.

Transport and residential choice patterns of urban residents: a study of walking behavior and car ownership in New York City. Robert Wood Johnson Foundation's Active Living Research conference, San Diego, CA, Feb. 2005.

What, if anything, do photos tell us that statistics do not?. University of California Transportation Center student conference, March 2004.

Baseline calculation for transport projects under the Clean Development Mechanism and Joint Implementation. Invited presentation at the Transport CDM/JI Workshop, Japanese Ministry of Land, Infrastructure, and Transport, Tokyo, Japan, March 2003.

Cars and the city: A simple story of car ownership and use in NYC using GIS, Census, and NPTS data. University of California Transportation Center student conference, Feb. 2003.

A multivariate analysis of carbon emissions from urban transport. Transportation Research Board Annual Meeting, Washington, D.C., Jan. 2002.

Personal transportation and an upstream carbon emissions trading policy. Transportation Research Board Annual Meeting, Washington, D.C., Jan. 2000.

Applying greenhouse gas emissions trading to the light-duty vehicle sector. (with Daniel Dudek) Transportation Research Board Annual Meeting, Washington, D.C., Jan. 1999.

Academic Services and Activities

Invited speaker/teacher for the Heads of Schools Program at the Klingenstein Center, Columbia University Teachers College, January 2008.

Reader for transport-related Master's thesis in Urban Planning at Columbia University, 2007

Participant in Pan-American Studies Institute - Transportation, Toluca and Querétaro, Mexico, 2005

Reviewer for *Transportation Research, Part D, Journal of Planning Education and Research, Transportation Research, Part A, Environment and Planning A, Environmental Science and Technology*, and for Transportation Research Board Annual Meeting Paper Submissions.

Organizer of Brown Bag Seminar series in Agricultural and Resource Economics Dept., 2003-2004.

Organizing committee member for UCTC graduate student conference, March 2004.

Participant in Teaching Partners Program at UC Davis, 1/04 – 3/04.

Invited discussant at STAR/STELLA workshop, Santa Barbara, CA, May 2003.

Invited speaker at the Transport CDM/JI Workshop, Tokyo, Japan, March 2003.

Student member of faculty search committee, Agricultural and Resource Economics Dept., 2002.

Invited participant in UNEP/IEA/OECD expert workshop in Roskilde, Denmark, May 2001.

Organizing committee member for IGERT graduate student conference, April 2000.