

MASSACHUSETTS INSTITUTE OF TECHNOLOGY
School of Architecture and Planning
Faculty Personnel Record

Date: 1 September, 2009

Full Name: Pericles Christopher Zegras

Department: Department of Urban Studies and Planning

1 Date of Birth: 2/9/68

2 Citizenship: U.S. Citizen
Immigration Status: NA

3 Education

School Degree	Degree	Date
MIT	PhD (Urban and Regional Planning)	2005
MIT	Master of Science (Transportation)	2001
MIT	Master of City Planning	2001
Tufts University	BA (Economics & Spanish)	1990

4 Title of Thesis for Most Advanced Degree

Sustainable Urban Mobility: Exploring the Role of the Built Environment

5 Principal Fields of Interest:

Sustainable Urban Mobility and Development, Transportation and Climate Change, Land Use and Travel Behavior Relationships, Transportation Finance

6 Name and Rank of Other Departmental Faculty in Same Field:

Eran Ben-Joseph, Assoc. Professor; Joseph Ferreira, Professor; Ralph Gakenheimer, Professor

7 Name and Rank of Faculty of Other Departments in Same Field:

Moshe Ben-Akiva, Professor, Civil and Environmental Engineering; Cynthia Barnhart, Professor and Associate Dean, School of Engineering; Joseph Coughlin, Director, AgeLab/New England University Transportation Center; Fred Salvucci, Senior Lecturer, Civil and Environmental Engineering; Yossi Sheffi, Professor, Civil and Environmental Engineering and Engineering Systems, Director, Engineering Systems Division; Joseph Sussman, Professor, Civil and Environmental Engineering and Engineering Systems; Nigel Wilson, Professor, Civil and Environmental Engineering.

8 Non-MIT Experience (including military service):

Employer	Position	Begin	End
World Bank	Summer Assistant	6/99	8/99
International Institute for Energy Conservation-Latin America	Transport Program Director	5/96	5/98
International Institute for Energy Conservation	Transport Program Associate	1/92	5/96

9 History of MIT Appointments:

Rank		Begin	End
Assistant Professor	Dept. of Urban Studies and Planning (joint appointment in Engineering Systems Division as of 9/08)	8/05	Present
Grad. Research Assistant/Instructor	Dept. of Urban Studies and Planning	9/02	5/05
Research Associate	Lab. for Energy and the Environment	2/01	9/02
Graduate Research Assistant	Cooperative Mobility Program	9/98	12/01

10 Consulting Record: (2001-present)

Firm/Organization	Begin	End
International Energy Agency	12/08	7/09
Grütter Consulting	1/07	11/08
BBG Group	1/06	8/07
Institute for Transportation and Development Policy	5/06	9/06
World Bank	7/06	7/07
Deutsche Gesellschaft für Technische Zusammenarbeit (GTZ)	3/06	6/06
World Bank	12/05	1/06
National Environment Fund of Peru	12/05	12/05
United Nations Center for Regional Development	10/05	12/05
Institute for Transportation and Development Policy	6/03	9/04
International Institute for Sustainable Development	11/02	4/05
Deutsche Gesellschaft für Technische Zusammenarbeit (GTZ)	7/02	10/02

World Business Council for Sustainable Development	10/02	10/03
Institute for Transportation and Development Policy	9/01	11/01

11 Department and Institute Committees, Other Assigned Duties: (2005-present)

	Begin	End
DUSP Practicum Committee	9/05	Present
DUSP MCP Committee	9/05	Present
DUSP MCP Admissions (Lead, City Design and Development [CDD] Group; Participant International Development Group [IDG])	9/05	Present
DUSP PhD Program Group Admissions (Participant, CDD and IDG)	9/05	Present
CEE MST Admissions Review (Participant, select applicants)	9/05	Present
MIT Portugal Program – Transportation Systems Focus Area Lead	4/07	Present
MIT Energy Initiative Campus Energy Task Force	4/07	Present
School of Architecture and Planning, Dean’s Energy Task Force	3/07	Present
Advisory Council, Transportation@MIT Initiative	6/09	Present

12 Government and Other Outside Committees, Service, etc.:

	Begin	End
Member, Committee on Transportation in Developing Countries, Transportation Research Board, National Research Council	1997	Present
Member, Steering Committee, Global Environment Facility’s “Promoting Sustainable Transport in Latin America” Initiative	2006	Present
Member, Blue Ribbon Panel, Global Environment Facility Regional Sustainable Transport and Air Quality Project	11/06	1/07
Member, Scientific Committee, “Low Carbon, Competitive Cities” Project, Center for Sustainable Transport-Mexico	2009	Present
Chair, Research Advisory Panel, University of Connecticut Center for Transportation and Urban Planning	2008	2009
Research Proposal Reviewer, University Transportation Research Center 1 (U.S. Dept. of Transportation);	2006	
Research Proposal Reviewer, University of California Transportation Center	2009	

Research Proposal Reviewer, National Foundation for Science and Technology (FONDECYT) (Chile)	2006	
Article Referee (Reviews) for: <i>Energy Policy</i> , <i>Transport Policy</i> , <i>Environmental Management, Governance</i> , <i>International Journal of Environmental and Waste Management</i> , <i>Journal of Planning Education and Research</i> , <i>Journal of Geographic Systems</i> , <i>Journal of Transport and Land Use</i> , <i>Territorium</i> , <i>Urban Geography</i> , <i>Transportation Research A</i> , <i>Low Carbon Transport in Asia: Capturing Climate and Developmental Co-benefits</i> (edited volume)	2005	Present
Conference Paper Reviews for: Congreso Chileno de Ingeniería de Transporte, Panamerican Conference on Traffic and Transportation Engineering, Transportation Research Board Annual Meeting, World Conference for Transportation Research, Latin American Congress for Public and Urban Transport	1997	Present
Member, Cambridge Bicycle Committee	2006	Present

13 Awards Received

Award	Date
MIT Ford Career Development Professorship	2007
David C. Lincoln Fellowship in Land Value Taxation	2007
Lincoln Institute of Land Policy Dissertation Fellowship	2004
U.S. Dept. of Transportation Eisenhower Fellowship	2002
MIT Presidential Fellowship	2002

14 Current Organization Membership:

Organization	Offices or Memberships Held
American Planning Association	Member
<i>Journal of Transport and Land Use</i>	Special Issue Co-Editor
<i>Projections</i> , Vol. 9	Editorial Advisory Board
<i>Transport Policy</i>	Editorial Board Member
Transportation Research Board, Transportation in Developing Countries Committee	Member (Secretary, 1997-1998)
World Conference on Transport Research Society (WCTRS)	Member

15 Patents and Patent Applications Pending:

16 Professional Registration:

17 Projects:

18 Symposia Organized:

MIT-Portugal Program Summer Research Workshop: SOTUR Project, Lisbon, July 6-8, 2009.
 MIT-Portugal Program Research and Education Workshop: Transportation Systems Focus Area, Cambridge, September 4-5, 2008.
 MIT-Portugal Program Summer Research Workshop: SOTUR, SCUSSE, CityMotion Projects, Lisbon, July 11-15, 2008.
 MIT-Portugal Program Research and Education Workshop: Transportation Systems Focus Area, Cambridge, September 6-7, 2007.

19 Teaching Experience - MIT						
Term	Sub. No.	Title	Role	Enrollment	Evaluations (out of 7, unless noted)	
					Instructor	Course
F05	11.540J	Urban Transportation Planning	Professor (w/F. Salvucci, M. Murga)	18	6.1	6.1
S06	11.220	Quantitative Reasoning	Professor (w/R. Ryznar)	~60	4.8	4.1
S06	11.953	Comparative Land Use and Transportation Planning	Professor	15	6.4	6.4
Sum 06	11.307	Beijing Urban Design Studio	Professor (w/D. Frenchman, J. Wampler, J. Du)	20	n.a.	n.a.
F06	11.948	Mexico City Practicum	Professor (w/D. Davis)	13	6.1	5.9
S07	11.526	Comparative Land Use and Transportation Planning	Professor	17	6.0	6.0

S07	11.220	Quantitative Reasoning	Professor (w/R. Ryznar)	~50	4.5	3.9
F07	11.948	Mexico City Practicum	Professor (w/D. Davis)	12	n.a.*	3.8* (of 4)
F07	n.a.	Transport Planning and Performance Assess.	Professor (w/J. Viegas, P. Pinho)	10	5.0	5.3
S08	11.220	Quantitative Reasoning	Professor (w/R. Ryznar)	~35	4.5	3.9
S08	11.526	Comparative Land Use and Transportation Planning	Professor	24	6.5	6.1
F08	11.948	Cartagena City Practicum	Professor (w/M. Bonilla)	10	5.7**	5.4**
F08	n.a.	Transport Planning and Performance Assess.	Professor (w/J. Viegas, J. Abreu)	10	6.4	5.3

* Only DUSP Practica Evaluation Forms, not Institute Evaluation Forms, were available.

** Based on averages from the submitted Institute Evaluation Forms, although not "formally" compiled by the Office of Faculty Support (OFS), since course runs until end of January, 09, which is apparently too late for OFS.

Other Teaching Experience - MIT

Term	Sub. No.	Title	Role	Enrollment
S02	11.943J	Urban Transportation, Land Use, and the Environment Planning	Instructor (w/J. Sussman)	~12
S03	11.943	Santiago Urban Planning Studio	Instructor (w/T. Lee, J. DeMonchaux)	~12

20 Publications

Books

- Keiner, M., C. Zegras, W. Schmid, D. Salmerón (Editors). 2004 *From Understanding to Action: Sustainable Urban Development in Medium-Sized Cities in Africa and Latin America*, Springer.

Papers in Refereed Journals

- Zegras, C. 2009 (forthcoming). "The Built Environment and Motor Vehicle Ownership & Use: Evidence from Santiago de Chile." *Urban Studies* (accepted for publication 7/3/09).

2. Zegras, C., Y. Chen, J. Grütter. 2009 (forthcoming). "Behaviorally-Based Transportation Greenhouse Gas Mitigation under the Clean Development Mechanism: The Case of Transport-Efficient Development in Nanchang, China." *Transportation Research Record* (accepted for publication 2/18/09).
3. Napolitan, F. and C. Zegras. 2008. Shifting Urban Priorities: The Removal of Inner City Freeways in the United States. *Transportation Research Record* 2046.
4. Zegras, C. and S. Srinivasan. 2007. Household Income, Travel Behavior, Location and Accessibility: Sketches from Two Different Developing Contexts. *Transportation Research Record* 2038.
5. Zegras, C. 2007. As if Kyoto Mattered: The Clean Development Mechanism and Transportation. *Energy Policy*, Vol. 35.
6. Donoso, P., F. Martínez, C. Zegras. 2006. The Kyoto Protocol and Sustainable Cities: The Potential Use of the Clean Development Mechanism in Structuring Cities for "Carbon-Efficient" Transport. *Transportation Research Record* 1983: *Energy and Environmental Concerns*.
7. Zegras, C. 2004. "The Influence of Land Use on Travel Behavior: Empirical Evidence from Santiago de Chile." *Transportation Research Record* 1898: *Travel Demand and Land Use*.
8. Zegras, C., J. Sussman, C. Conklin. 2004. "Scenario Planning: A Proposed Approach for Strategic Regional Transportation Planning." *Journal of Urban Planning and Development*. Vol. 130 (1), American Society of Civil Engineers.
9. Zegras, C. 2003. "Financing Transport Infrastructure in Developing Country Cities." *Transportation Research Record* No. 1839: *Transportation Finance, Economics, and Economic Development*.
10. Zegras, C. 1998. "The costs of transportation in Santiago de Chile: analysis and policy implications." *Transport Policy*, Vol. 5, Winter.
11. Zegras, C. and T. Litman. 1997. "Cost Estimates of Transport Air Pollution in Santiago Chile." *Transportation Research Record* No. 1587: *Effects of Transportation on Energy and Air Quality*.
12. Zegras, C., D. Guruswamy and H. Malbrán. 1995. "Transport Modeling for Energy & Environment: United States Experience and Relevance to the Developing World." *Transportation Research Record* No. 1487.
13. S. Hall, C. Zegras, and H. Malbrán. 1994. "Transportation and Energy in Santiago, Chile." *Transport Policy*, Volume 1, No. 4, October.
14. Zegras, C. and M. Birk. 1993. "Moving Towards Integrated Transport Planning: Energy, Environment, and Mobility in Four Asian Cities." *Transportation Research Record*.

Papers in Refereed Conference Proceedings

1. Zegras, C. 2001. "Mecanismos Financieros Aplicados al Desarrollo Urbano como Consecuencia de sus Impactos en los Sistemas de Transporte: el Caso de Santiago de Chile." *In the Actas del XI Congreso Latinoamericano de Transporte Público y Urbano*, Havana, Cuba, September.
2. Rivasplata, C. and C. Zegras. 1998. "The Role of Smart Cards in Public Transport Integration: Lessons for Santiago." *In Urban Transport Policy: A Sustainable Development Tool* (Freeman and Jamet, Eds.). Rotterdam: Balkema.
3. Zegras, C. 1997. "Los Costos Estimados de Accidentes de Tránsito en Santiago de Chile, 1994." *In Actas del Octavo Congreso Chileno de Ingeniería de Transporte* (T. Galvéz, M. Munizaga, Eds.), November.

4. Zegras, C. and D. Guruswamy. 1995. "Modelación de Emisiones de Transporte Vial en los Estados Unidos: La Práctica Corriente y Mejoramientos Necesarios." In *Actas del VII Congreso Chileno de Ingeniería de Transporte* (F. Martínez, Ed.). October.
5. Zegras, C. and W. Hook. 1995. "Transportation, Energy and Environment in Hungary: The Role of Government Policies and the World Bank." In *Proceedings of the 1995 Summer Study – European Council for an Energy Efficient Economy*.

Chapters in Edited Books

1. Zegras, C. 2009 (forthcoming). "Mainstreaming Sustainable Urban Mobility." *Transport Policy-making and Planning for Cities of the Developing World*, Routledge.
2. Zegras, C. 2009 (forthcoming). "Transport." *In-Depth Review of Chile's Energy Policies 2009*. International Energy Agency.
3. Zegras, C. 2006. "Private Sector Participation in Urban Transport Infrastructure Provision." In *Sustainable Transport: A Sourcebook for Developing Cities*. Deutsche Gesellschaft für Technische Zusammenarbeit (GTZ), Division 44, Environmental Management, Water, Energy, Transport.
4. Zegras, C., I. Poduje, W. Foutz, E. Ben-Joseph, O. Figueroa. 2004. "Indicators for Sustainable Urban Development." Chapter 7 in *From Understanding to Action: Sustainable Urban Development in Medium-Sized Cities in Africa and Latin America*, Springer.
5. Zegras, C. and R. Gakenheimer 2003. "Carsharing in Latin America." *World Transport Policy and Practice* (J. Whitelegg, G. Haq, Eds.). Earthscan/ Stockholm Environment Institute.
6. Gakenheimer, R., L. Molina, J. Sussman, C. Zegras, A. Howitt, J. Makler, R. Lacy, R. Slott, A. Villegas. 2002. "The MCMA Transportation System: Mobility and Air Pollution." Chapter 6 in *Air Quality in the Mexico Megacity: An Integrated Assessment*. Kluwer Academic Publishers.
7. Gakenheimer, R. and C. Zegras. 2001. "Personal Mobility in the Urbanized Developing World." Chapter 4 in *Mobility 2001: World Mobility at the End of the Twentieth Century and Its Sustainability*. World Business Council for Sustainable Development, Geneva.
8. Zegras, C. 1996. "Urban Transportation." Chapter 4 in *World Resources 1996-97*. Published for World Resources Institute, UNEP/UNDP, and World Bank by Oxford University Press.
9. Contributing Author. 1996. "Mitigation Options in the Transportation Sector." In *Climate Change 1995: Impacts, Adaptations and Mitigation of Climate Change: Scientific-Technical Analysis*. Published for Intergovernmental Panel on Climate Change (IPCC) by Cambridge University Press.

Other Major Publications

1. Zegras, C., S. Jiang. 2009. "Sustaining Mass Transit through Land Value Taxation? Prospects for Chicago." Working paper for the Lincoln Institute of Land Policy, Cambridge, MA.
2. Browne, J., S. Winkelmann, C. Zegras, E. Silsbe, E. Sanhueza. 2005. *Transportation and the Clean Development Mechanism: Experiences and Lessons from Chile*. International Institute for Sustainable Development, Winnipeg, Manitoba.
3. Editor. 2003. *Santiago Urban Planning Studio: Sustainable San Joaquín*. City Design and Development Group, Department of Urban Studies and Planning, MIT.
4. Gakenheimer, R. and C. Zegras. 2003. *Overview of Drivers of Travel Demand in Cities of the Developing World*. Report prepared for the World Business Council for Sustainable Development, Sustainable Mobility Project Phase III.
5. RAND Europe, R. Gakenheimer, C. Zegras. 2003. *Passenger and Freight Transport Demand*. Report for World Business Council for Sustainable Development, Sustainable Mobility Project

Phase III.

6. Zegras, C. and R. Gakenheimer. 2000. *Urban Growth Management for Mobility: The Case of the Santiago, Chile Metropolitan Region*. Report prepared for the Lincoln Institute of Land Policy and the MIT Cooperative Mobility Program.
7. Zegras, C., J. Makler, R. Gakenheimer, A. Howitt, J. Sussman. 2000. "Metropolitan Mexico City Mobility and Air Quality." Paper prepared for the MIT Integrated Program on Urban, Regional And Global Air Pollution and the Cooperative Mobility Program.
8. Menckhoff, G. and C. Zegras. 1999. "Experiences and Issues in Urban Transport Infrastructure Concessions." World Bank Working Paper, TWU-38.
9. Zegras, C. and T. Litman. 1997. *An Analysis of the Full Costs and Impacts of Transportation in Santiago de Chile*. International Institute for Energy Conservation.
10. Zegras, C., W. Hook and T. Knecht. 1996. *The World Bank and Transportation*. Washington, DC. International Institute for Energy Conservation.
11. Zegras, C., D. Guruswamy, E. Miller, A. Tomazinis. 1995. *Modeling Urban Transportation Emissions and Energy Use: Lessons for the Developing World*. International Institute for Energy Conservation.
12. Zegras, C. and T. Semans. 1995. "Shifting the Paradigm: Public Consultation on the World Bank Transport Sector Review." International Institute for Energy Conservation.
13. Birk, M. and C. Zegras. 1993. *Moving Toward Integrated Transport Planning: Energy, Environment, and Mobility in Four Asian Cities*. International Institute for Energy Conservation.
14. Zegras, C. 1998. "Transporte Urbano e Impactos Locales: Economía, Contaminación, Bienestar." In *Transporte Urbano y Ambiente*. Consejo Nacional del Ambiente (Nacional Environment Council of Peru), Lima.

Additional Conference Presentations

1. "The Built Environment and Transportation Greenhouse Gas Emissions in a Rapidly Developing City." 2009. Presented at the 2009 Transportation Planning, Land Use, and Air Quality Conference, Denver, July.
2. "Hacia el Federalismo Fiscal: Dificultades y desafíos en el caso del sector de transporte público portugués." 2009. Presented at the XV Latin American Congress for Public and Urban Transport, Buenos Aires, April (with J. Nelson, R. Macário).
3. "Travel Behavior of Baby Boomers in Suburban Age Restricted Communities." 2008. Presented at TRB Conference Impact of Changing Demographics on the Transportation System, Washington, DC, 27 October (with F. Hebbert, E. Ben-Joseph, J. Coughlin).
4. "El entorno construido y la tenencia y uso del automóvil: Evidencia de Santiago de Chile." 2008. XV Congreso Panamericano de Ingeniería de Tránsito y Transporte, Cartagena, Colombia, 16 September.
5. "Data Fusion for Travel Demand Management: State of the Practice and Prospects." 2008. 4th International Symposium on Travel Demand Management, Vienna - Semmering, Austria, 17 July (with F. Pereira, A. Amey, M. Veloso, L. Liu, C. Bento, A. Biderman).
6. "Potentials and Challenges of Using Clean Development Mechanism for Transport-Efficient Development: A Case Study of Nanchang, China." 2008. Presentation at Joint ACSP-AESOP Conference, Chicago, 8 July (with Y. Chen).
7. "'Everyday life without a car would be impossible.' A Comparative Study of Baby Boomers' Travel Behavior and Residential Preferences in Age-Restricted and Typical Suburban Neighborhoods." 2008. Poster presentation at Transportation Research Board Annual Meeting

(with E. Ben-Joseph, F. Hebbert, J. Coughlin).

8. "AS IF' Kyoto Mattered: Urban Transportation & the Clean Development Mechanism in Santiago de Chile." 2007. 11th World Conference on Transportation Research, Berkeley, CA, 25 June.
9. "The Built Environment and Motor Vehicle Ownership and Use: Evidence from Santiago de Chile." 2006. presented at the World Planning Schools Congress, 28 July.
10. "Sustainable Urban Mobility: Deriving and Demonstrating an Operational Definition and Metric." 2006. Presented at the National Science Foundation *New Scholars Conference on Sustainable Transport*, Indiana University, 15 May.
11. "Transportation and Air Quality in Chile: Law versus Practice." 2005. Presented at the 84th Annual Meeting of the Transportation Research Board, Washington, DC, January.
12. "Transportation Finance in Developing Cities: A View of the Mexican Mega-City." 2004. Presented at the Symposium Urban Road and Public Transit: Who Must Pay? As part of XVIIth *Entretiens Jacques Cartier*, Montreal, Quebec, 7 October.
13. "The Influence of Land Use on Travel Behavior: Empirical Evidence from Santiago de Chile." 2004. Presented at the 83rd Annual Meeting of the Transportation Research Board, Washington, DC, January.
14. "Financing Transport Infrastructure in Developing Country Cities: Evaluation of and Lessons from the Nascent Use of Impact Fees in Santiago de Chile." 2003. Presented at the 82nd Annual Meeting of the Transportation Research Board, Washington, DC, January.
15. "Scenario Planning: A Proposed Approach for Strategic Regional Transportation Planning." 2002. Presented at the Annual Meeting of the Transportation Research Board, Washington, DC, January (with J. Sussman, C. Conklin).
16. "Motorización Urbana y sus Impactos: Implicaciones para la Formación Institucional." 2001. Presented at the Scientific-Technical Meeting of CODATU (Cooperation for the Development and Improvement of Urban and Suburban Transport), Havana, Sept. With R. Gakenheimer.
17. "Buses Electricos para Santiago." 1997. Presented at the VIII Congreso Chileno de Ingeniería de Transporte, Santiago, October.
18. "Urban Transport, Health, and Environment in Santiago de Chile." 1997. Presented at the Annual Meeting of the Transportation Research Board, Washington, DC. January.
19. "Transportation Cost Analysis and Non-Motorized Transportation." 1997. Presented at the Annual Meeting of the Transportation Research Board, Washington, DC. January.
20. "Costos Estimados de Contaminación del Aire Debido a Transporte en Santiago de Chile." 1996. Presented at the IX Congreso Panamericano de Ingeniería del Tránsito y Transporte, Havan Cuba, November.
21. "Los Costos Estimados de Contaminación Atmosférica por Transporte en Santiago de Chile." 1996. Presented at the World Congress on Air Pollution in Developing Countries, San Jose, Costa Rica, October
22. "Hacia Una Estructura para el Análisis de los Costos Totales de Transporte." 1996. Presented at the VIII Congreso Latinoamericano de Transporte Público y Urbano (CLATPU), Curitiba, Brazil, April.
23. "El Transporte y Energía." 1994. Presented at the VII Congreso Latinoamericano de Transporte Público y Urbano (CLATPU), Buenos Aires, October.

Invited Lectures and Seminars

1. "Pervasive real-time mobility data: Implications for transportation strategy." 2009. Pervasive real-time mobility data: Implications for transportation strategy. InMotion'09: 1st Workshop on Pervasive Technologies for Improved Mobility and Transportation, Nara, Japan, 11 May (with J. Sussman, T. Dunn).
2. "Adelantos en la investigación del uso de suelo y la movilidad." 2008. IV Congreso Internacional de Transporte Sustentable *Movilidad y Salud: de cara al futuro*, Ciudad de México, World Trade Center, 27 de octubre.
3. "Mobility & Urban Development "AS IF" Kyoto Mattered: What Role for the Clean Development Mechanism?" 2008. MIT Industrial Liaison Program *Future of Mobility* Conference, 23 September.
4. "Instrumentos financieros y económicos para el manejo sostenible de la movilidad: hacia donde "se debe" y hacia donde se mueven las ciudades." 2008. Conferencia Internacional Andina sobre Movilidad Urbana Sostenible, Quito, Ecuador, 30 July.
5. "'AS IF' Kyoto Mattered: Transportation and the Clean Development Mechanism." 2008. University of Connecticut, Depts. of Geography and Civil & Environmental Engineering, Spring Graduate Transportation Seminar Series, 25 April.
6. "Mobility and Sustainable Cities." 2008. Changing Cities: Celebrating 75 Years of Planning Better Futures at MIT, 4 April.
7. "La Planificación Integrada de Transporte y el Desarrollo Urbano." 2008. Latin America Mayor's Conference, Ash Institute and John F. Kennedy School of Government, 31 March.
8. "Responsive Urban Mobility in Innovative and Sustainable Regions." 2008. *Grenoble, Digital City-Region: Innovation et conception de l'espace habité contemporain*, School of Architecture of Grenoble, France, 27 March.
9. "MIT-Portugal Program – Transportation Systems: Towards a 'Responsive Mobility.'" 2008. MIT Responsive Cities Luncheon, 27 February.
10. "Transporte Público: Hacia la Reforma." 2007. *Primer Seminario para la Modernización del Transporte*, Tegucigalpa, Honduras, 7-8 July.
11. "The Clean Development Mechanism and Transportation." 2007. Urban Climate Change Research Network: An International Symposium, Columbia University, 11 May.
12. "Regional Strategic Transportation Planning: Toward Sustainable Urban and Regional Development." 2007, MIT-Portugal Program Transportation Systems Workshop, Lisbon, 29 January.
13. "Urban Transportation, Development, and the Kyoto Protocol." 2006. MIT SPURS Luncheon Seminar, 27 November.
14. "Como involucrar el sector privado en el financiamiento de sistemas de transporte sustentable." 2006. 2do Congreso Internacional de Transporte Sustentable, *Ciudades en Movimiento*, Mexico City, 17 October.
15. "Indicadores de Transporte Sustentable y Metodologías de Evaluación Antecedentes." 2006. Plenary presentation at Clean Air Initiative-Latin America, Biannual Conference, *Transporte Sustentable: Vínculos para Mitigar el Cambio Climático y Mejorar la Calidad del Aire*, sponsored by the World Bank, São Paulo, 26 July.
16. "Transportation and City Design." 2006. Invited Lecture at Tsinghua University, School of Architecture, Beijing, 30 June.
17. "Transporte y Uso de Suelo: Teoría y Ejemplos." 2005. Presented at the International Conference, *Transporte Urbano y Usos de Suelo*, organized by the Peruvian National

- Environment Fund (FONAM) and sponsored by the World Bank, Lima, Perú, 1 December.
18. "Aspectos técnicos: Desde la perspectiva de movilidad y uso de suelo." 2005. Presented at the International Forum, *De las ciudades a las regiones - Desarrollo regional integrado en Bogotá – Cundinamarca*, sponsored by the United Nations Center for Regional Development (UNCRD), Bogotá, Colombia, 28 November.
 19. "Evolving Metropolitan Structures and their Impact on Personal Mobility. 2005. Presented at *Critical Barriers to a Sustainable Energy Future*, Technical Meeting of the Alliance for Global Sustainability, Chalmers University, Goteborg, Sweden, 8 November.
 20. "Sustainable Urban Mobility: What Role Does the Neighborhood Play? (or, Function = $f(\text{Form})?$)." 2005. Lincoln Institute of Land Policy Dissertation Fellowship Symposium, 7 June.
 21. "Transportation Finance in the Mexico Mega-City Charting a Path towards Sustainability?" 2005. Presented at Workshop 126 *Sustainable Transport in Latin America: From Theory to Practice*, held at the Annual Meeting of the Transportation Research Board, January.
 22. "Towards Sustainable Urban Mobility: Exploring the Land Use-Transportation System in Santiago de Chile." 2004. Presentation at the Conference on *Sustainability and Urban Growth in Developing Countries*, Monte Verità, Ascona, Ticino, Switzerland, 2 November.
 23. "Location Efficiency and the Clean Development Mechanism (CDM): The Potential for Reducing Transportation Greenhouse Gas Emissions by Changing Patterns of Urban Development." 2004. Presentation at International Seminar on *Transportation and the Clean Development Mechanism*, sponsored by the Canadian International Development Agency, UN Economic Commission for Latin American and the Caribbean, Santiago, Chile, 25 August.
 24. "*Dos Ciudades Latinoamericanas*: Perspectives on and Prospects for Sustainable Urban Mobility." 2004. Presentation at Sustainable Urban Transportation Panel Session at the *Boston Social Forum*, U. Mass-Boston, 25 July.
 25. "Hacia una San Joaquín Sustentable: Resultados del Taller de Planificación Urbana." 2004. Presentation at *Expovivienda*, Santiago, Chile, 30 April.
 26. "Megacities, Developing Cities, and Sustainable Transportation." 2003. Keynote Presentation at the Innovative Transport Strategies Working Group at the Conference *Megacities III: Action Models and Strategic Solutions*. Konrad Adenauer Foundation, Schloss Eicholz, Sankt Augustin, Germany, November.
 27. "Developing Country Cities: Towards a Sustainable Mobility?" 2003. Presentation at *Sustainable Mobility Meeting*, British Petroleum, London, October.
 28. "Potentials for Integrating Travel Forecasting Models with Land Use & Emissions Models: Relevance to the Mexico City Project." 2002. Seminar for the MIT Integrated Program on Local, Regional and Global Air Pollution, Cambridge, May.
 29. "Urban Mobility in the United States: Trends, Challenges & Where We Stand." 2002. Presented at the Working Group *The Future of Mobility – Transportation*, Annual Meeting of the Alliance for Global Sustainability (AGS), San Jose, Costa Rica, March.
 30. Panel Session on Transportation and Urban Development, as part of Symposium on Transportation and Sustainability. 2002. Annual Meeting of the Transportation Research Board, Washington, DC, January.
 31. "Telecommunications and Travel." 2001. Cooperative Mobility Program Sponsor Meeting, Massachusetts Institute of Technology, Cambridge, June.
 32. "Transportation and Mobility." 2000. Presented at the Third US-Mexico Joint Workshop, Cuernavaca, Mexico, June.

33. "Concessions for Urban Transportation Infrastructure in Developing Countries." 1999. Presented at United Nations Environment Program (UNEP) Regional Workshop *Deals on Wheels: Sustainable Transportation Initiatives in Developing Countries*, San Salvador, El Salvador, July.
34. "Transporte, Mantenimiento, y Ciudades Sostenibles." 1997. Presented at HABITAT Seminar, Organized by Coalition of Peruvian NGOs, Lima, Perú, October.
35. "Transporte Urbano, Economía, y Medio Ambiente 1997." Presented at the IV Conferencia LAC de ONGs de Medio Ambiente Urbano, March.
36. "Transporte de Pasajeros y Medio Ambiente en Santiago de Chile." 1996. Presented at the Seminar Transporte y Medio Ambiente, National Environment Council of Peru, Lima, August.
37. "Energía y Transporte." 1996. Presented at the Segundo Taller Latinoamericano de Organizaciones no Gubernamentales Sobre Cambios Climáticos, Colonia, Uruguay, April.
38. "Sustainable Santiago: An Urban Transportation Vision." 1995. Presented at the Cooperative Housing Foundation's Workshop on Partnerships for Livable Urban Environments, Washington, DC, November.

21 Record of Research Funding

China Energy Foundation. Making the 'Clean Energy City'. \$320,000 (per year; 3 years). Co-PI (with Dennis Frenchman). 2009 (approved by sponsor; final approval pending with MIT OSP).

MIT Energy Initiative. Integrated Modeling for Sustainable Metropolitan Mobility: Planning Grant. \$25,000. Co-PI (with Moshe Ben-Akiva and Carlo Ratti). 2009.

New England University Transportation Center. Travel Behavior of the Aging Boomers: Evidence from Naturally Occurring Retirement Communities (Phase IV). \$38,000. Co-PI (with Eran Ben-Joseph). 2009.

Volvo Research and Education Foundation. Sustainable, well Managed, Advanced, Reliable, Technological (SMART) BRT: Planning, design, financing, implementation and operation: Planning Grant. \$35,000. Co-PI (with J.C. Muñoz, L. Gutierrez, D. Hensher, J. Viegas, N. Wilson). 2009.

New England University Transportation Center. Travel Behavior of the Aging Boomers: Evidence from Age-Restricted Communities (Phase III). \$55,000. Co-PI (with Eran Ben-Joseph). 2008.

Lincoln Institute for Land Policy. Sustaining Mass Transit through Land Value Capture Programs: A Case Study of Chicago. \$38,000. PI. 2008.

New England University Transportation Center. Travel Behavior of the Aging Boomers: Evidence from Age-Restricted Communities (Phase II). \$80,000. Co-PI (with Eran Ben-Joseph). 2007.

BP. China Clean Energy City. \$50,000. Co-PI (with Dennis Frenchman). 2007.

MIT Portugal Program. CityMotion. \$250,000. Co-PI (with Carlo Ratti, Teresa Galvao, Carlos Bento). 2007.

MIT-Portugal Program. Strategic Options for Integrating Transportation Innovations and Urban Revitalization. \$150,000 (per year, 3 years). Co-PI (with Jose Viegas). 2007.

Volvo Research and Education Foundation. A Virtual Center of Excellence for Sustainable Transport Finance in Americas: Planning Grant. \$35,000. Co-PI (with A. Ardila, J. Acevedo). 2007.

MIT-France Seed Fund. From Technopole to Techno-Region. \$13,200. Co-PI (with Catherine Maumi). 2007.

Alliance for Global Sustainability. Metropolitan China: Clean Transportation Energy Futures. \$35,000. PI. 2006

MIT HASS Fund. Gated Communities and Travel Behavior: Evidence from a Latin American Metropolis. \$15,000. PI. 2006.

New England University Transportation Center. Gated Communities & Boomer's Travel Behavior: Evidence from Developments for the Elderly. \$70,000. Co-PI (with Eran Ben-Joseph). 2006.

22 Theses Supervised

Summary			
	Total	Completed	In Progress
S.B.	1	1	0
S.M. (MCP and MST)			
As Advisor	10	9	1
As Reader	8	8	0
Ph.D			
As Advisor	1		1
As Reader	4	2	2

S.B. Theses

Miller, Ruth. Dynamic Minds in Rapid Urbanization: How External Experience Affects Opinions on Public Transportation in a Historically Rural Area, 2007 (Winner: *Best DUSP Undergrad Thesis*).

Masters Theses, Supervisor

Antos, Justin, MCP. Paying for Public Transportation: The Optimal, the Actual, and the Possible, 2007 (*Winner: Best DUSP MCP Thesis*).

Judy, Meredith, MCP. The Potential for Bus Rapid Transit to Promote Transit Oriented Development: An Analysis of BRTOD in Ottawa, Brisbane, and Pittsburgh, 2007.

Napolitan, Francesca, MCP. Shifting Urban Priorities: The Removal of Inner City Freeways in the United States, 2007.

Warade, Ritesh, MCP/MST. The Accessibility and Development Impacts of New Transit Infrastructure: The Circle Line in Chicago, 2007 (*Winner: Ralph Adams Cram Award*).

Burgess, Jess, MCP. A Comparative Analysis of the Park-and-Ride/Transit-Oriented Development Tradeoff, 2008.

Hebbert, Francis, MCP. Local Travel Habits of Baby Boomers in Suburban Age-restricted Communities, 2008.

Kintala, Kumar, MCP/MST. Leveraging Bus Rapid Transit Lite for Transit Corridor Development: Springfield Avenue and Bloomfield Avenue in Newark NJ, 2008.

Nelson, Joshua, MCP/MST. Stuck With the Bill, But Why? An Analysis of the Portuguese Public Finance System with Respect to Surface Transportation Policy and Investments, 2008.

Teich, Tegin, MCP/MST. Social Change and Cycling as a Form of Sustainable Transportation: The behavior-policy interaction in a medium-sized developing city, 2008.

Did not advise 2009 theses; on research leave in Spring.

Masters Theses, Reader

Aranda, Marlon, MCP. Transit-oriented development and the Hudson-Bergen Light Rail: shaping urban design patterns in northern New Jersey, 2006.

Leven, Dalia, MCP/MST. Which way is up: towards accessible wayfinding in transit stations, 2006.

Jung, Bomee, MCP. Sustainable construction in Mexican housing markets, 2007.

Shaw, Jeremy, MCP. Standard values: change in urban arterial street design, 2007.

Mojica, Carlos, MCP/MST. Examining Changes in Transit Passenger Travel Behavior through a Smart Card Activity Analysis, 2008.

Seaborn, Catherine, MCP/MST. Application of Smart Card Fare Payment Data to Bus Network Planning in London, UK, 2008.

Block-Schacter, David, MCP/MST. The Myth of the Single Mode Man: How the Mobility Pass Better Meets Actual Travel Demand, 2009.

Uniman, David, MCP/MST. Service Reliability Measurement Framework using Smart Card Data: Application to the London Underground, 2009.

Doctoral Theses, Advisor

Chen, Y. PhD. Symbolic Utility and Decision Dynamics of Private Car Ownership in China, MIT, DUSP, *in progress*.

Doctoral Theses, Reader

Mitsuo, Miwa. Doctor of Design. Local Accessibility and Urban Structure: Does Sprawl Matter? Harvard Graduate School of Design (Committee member; J.A. Gomez-Ibàñez, Advisor), 2008.

Kassens, Eva. PhD. Transportation Planning for Mega-Events: guiding a city's fortune to sustainable development, MIT, DUSP, (Committee member; Karen R. Polenske, Advisor), 2009.

Guevara, Cristian Angelo. PhD. Addressing Econometric Issues in Discrete Models of Residential Choice and Assessing their Impact in Modeling the Effect of Land-Use Public Policies MIT, Transportation, (Committee member; Moshe Ben-Akiva, Advisor), *in progress*.

Dunn, Travis. PhD. MIT, Alternative Strategy Development Frameworks for Surface Transportation Systems, Transportation, (Committee member; Joseph Sussman, Advisor), *in progress*.

Doctoral Theses, Proposal Reviewer

Tam, Ryan. PhD, MIT, DUSP. Aviation-Enabled Regional Economic Development: Airport Noise and Silent Aircraft Technology in the United Kingdom, reviewed in 2007; dissertation completed in 2008.

Zhao, Jinhua. PhD, MIT, DUSP. Evolution of Travel Preferences and Implications for Transport Policy, reviewed in 2008; dissertation completed in 2009.

Nam, Kyung-Min. PhD, MIT, DUSP. Catch-up Under Globalization: Lessons from the Case of China's Automobile Industry; dissertation *in progress*.