

Curriculum Vitae

EDUCATION

- 1975 Ph.D., Kennedy School of Government, Harvard University
- 1972 Master of Public Policy, Harvard University
- 1970 A.B., magna cum laude in Government, Harvard College

PROFESSIONAL EXPERIENCE

Primary Positions:

- 1984- Derek C. Bok Professor of Public Policy and Urban Planning, Graduate School of Design (GSD) and Harvard Kennedy School (HKS).
- Chair, Social Policy Faculty Area, HKS, 2007-present;
Faculty Co-Chair, Infrastructure in a Market Economy executive program, HKS; 1997-present; Director, Master Urban Planning Program, GSD, 2000-2004; Chair, Master in Public Policy Program, HKS, 1996-1998; Director, Advanced Independent Studies Programs, GSD, 1992-1995; Chair, Department of Urban Planning and Design, GSD, 1984-1988.
- 1980- Associate Professor, Kennedy School of Government, Harvard University (on leave 1980-81)
1984
- 1975- Assistant Professor (1975-79) and Associate Professor (1979-80), City and Regional Planning
1980 Program, Harvard University
- 1974- Lecturer, Harvard Business School
1975

Other Professional Experience:

- 1977- Public service as unpaid consultant or advisor to government and non-profit organizations
- 2006 Senior Advisor to the Infrastructure Vice Presidency, World Bank
- 1980- Senior Staff Economist, Council of Economic Advisors, Executive Office of the President,
1981 Washington, D.C. (responsible for regulation, transportation, and environmental issues)

CURRENT RESEARCH INTERESTS

Infrastructure and urban economic development.

Infrastructure privatization and regulation

PUBLICATIONS

Books:

Jose A. Gomez-Ibanez, *Regulating Infrastructure: Monopoly, Contracts and Discretion*, Cambridge: Harvard University Press, 2003.

Jose A. Gomez-Ibanez and John R. Meyer, *Going Private: The International Experience with Transport Privatization*, Washington: The Brookings Institution, 1993, Chinese edition translated by Cao Zhongyong and published by China Railway Publishing House, Beijing, 2000.

Alan A. Altshuler and José A. Gómez-Ibáñez, *Regulation for Revenue: The Political Economy of Land Use Exactions*, The Brookings Institution, 1993.

John R. Meyer and José A. Gómez-Ibáñez, *Autos, Transit, and Cities*, Twentieth Century Fund Report, Harvard University Press, 1981.

Edited Books:

Jose A. Gomez-Ibanez and Gines de Rus (eds.), *Competition in the Railway Industry: An International Comparative Analysis* (Edward Elgar, 2006).

José A. Gómez-Ibáñez, , Clifford A. Winston, William B. Tye (eds), *Essays in Transportation Economics and Policy: A Handbook in Honor of John R. Meyer*, The Brookings Institution, 1999.

Committee for Study of Public Policy for Surface Freight Transportation (Chair), *Paying Our Way: Estimating Marginal Social Costs of Freight Transportation*, Washington, DC: National Academy Press, Transportation Research Board Special Report 246, 1996.

José A. Gómez-Ibáñez and Gerald M. McCue (eds.), *Revitalizing the Historic Core of Toledo: Harvard Seminar and Studio, 1993-94*, Complutense University of Madrid, 1996. Winner of the 1997-98 "European Prize for Urban Planning" awarded by the European Commission in collaboration with the European Council of Urban Planners.

José A. Gómez-Ibáñez and Joseph Kalt (eds.), *Cases in Microeconomics*, New York: Prentice-Hall, 1990.

Journal Articles and Books Chapters:

Jose A. Gomez-Ibanez, An Overview of the Options, chapter 1 in *Competition in the Railway Industry: An International Comparative Analysis* edited by Gomez-Ibanez and Gines de Rus (Edward Elgar, 2006).

Jose A. Gómez-Ibáñez and John R. Meyer, "Governments and Markets in Transport: The U.S. Experience with Deregulation", pp.56-92 in John D. Donahue and Joseph S. Nye, Jr., *Governance Amid Bigger, Better Markets*, Washington, DC: Brookings Institution, 2001.

José A. Gómez-Ibáñez and Kenneth A. Small, "Urban Transportation," in Paul Cheshire and Edwin S. Mills, eds., *Handbook of Regional and Urban Economics, Volume 3: Applied Urban Economics*, Amsterdam: North-Holland, 1999.

Kenneth A. Small and José A. Gómez-Ibáñez, "Road Pricing for Congestion Management: The Transition

from Theory to Policy", pp. 213-246 in Kenneth J. Button and Eric T. Verhoef (eds.) *Road Pricing, Traffic Congestion and the Environment*, Cheltenham: Edward Edgar, 1998

Jose A. Gómez-Ibáñez and John R. Meyer, "Alternatives for Urban Bus Services: An International Perspective on the British Reforms," *Transport Reviews*, Vol. 17, no. 1, 1997.

José A. Gómez-Ibáñez, "Estimating Whether Transport Users Pay Their Way: The State of the Art," in David L. Greene, Donald W. Jones, and Mark A. Deluchi (eds.), *The Full Social Costs and Benefits of Transportation*, New York: Springer-Verlag, 1997.

José A. Gómez-Ibáñez, "Regulating Private Toll Roads," pp. 317-31 in Ravi Ramamurti (ed.), *Privatizing Monopolies: Lessons from the Telecommunications and Transport Sectors in Latin America*, Baltimore: The Johns Hopkins University Press, 1996.

José A. Gómez-Ibáñez, "Big City Transit Ridership, Deficits, and Politics: Avoiding Reality in Boston" *Journal of the American Planning Association*, vol. 62, no. 1 (winter 1996), pp. 30-50.

José A. Gómez-Ibáñez and John R. Meyer, "Private Toll Roads in the United States," pp. 248-72 in David Banister (ed.), *Transportation and Urban Development*, London: Chapman and Hall, 1995.

Kenneth A. Small and José A. Gómez-Ibáñez, "Road Pricing for Congestion Management: The Transition from Theory to Policy," pp. 373-404 in Tae Hoon Oum (eds), *Transport Economics: Selected Readings*, Korea Research Foundation for 21st Century, 1995.

José A. Gómez-Ibáñez and Kenneth A. Small, *Road Pricing for Congestion Management: A Survey of International Practice*, Transportation Research Board, National Cooperative Highway Research Program Synthesis 210, 1995.

José A. Gómez-Ibáñez, "The Political Economy of Highway Tolls and Congestion Pricing," *Transportation Quarterly*, Vol. 46, no. 31 (July 1992), pp. 343-60.

John R. Meyer and José A. Gómez-Ibáñez, "Transit and Bus Privatization and Deregulation Around the World," *The International Journal of Transport Economics*, vol. 28, no. 3 (October 1991), pp. 231-258.

José A. Gómez-Ibáñez, John R. Meyer, and David E. Luberoff, "What are the Prospects for Privatizing Infrastructure?: Lessons from U.S. Roads and Solid Waste," pp. 143-74 in Alicia H. Munnell (ed.), *Is there a Shortfall in Public Capital Investment?*, Conference Series no. 34 (Boston, MA: The Federal Reserve Bank of Boston, 1991). Shorter version published as "The Prospects for Privatizing Infrastructure: Lessons for U.S. Roads and Solid Waste," in *Journal of Transport Economics and Policy*, vol. 25, no. 3 (September 1991), pp. 259-278.

Alan D. Wallis, John R. Meyer, José A. Gómez-Ibáñez and Arnold M. Howitt, "Private Rail Transit: Can it Succeed?," *Municipal Finance Journal*, vol. 12, no. 2 (summer 1991), pp. 59-78.

José A. Gómez-Ibáñez and John R. Meyer, "Privatizing and Deregulating Local Public Services: Lessons from Britain's Buses," *Journal of the American Planning Association*, vol. 56, no. 1 (1990), pp. 9-21.

José A. Gómez-Ibáñez, "Enquete sur la privatisation des services publics aux Etats-Unit" ("Privatization of Local Public Services in the United States: A Survey"), pp. 291-334 in *Performances des Services Publics Locaux* (Performance of Local Public Services), Guy Teryn (ed.), Paris: Litec, 1990.

José A. Gómez-Ibáñez, "Getting Around New York," pp. 73-92 in Peter Salins (ed.), *New York Unbound*, New York: Basil Blackwell, 1988.

José A. Gómez-Ibáñez, "Toward an Equilibrium in Intercity Travel Choices" and "Costs of Various

Intercity Modes," Chapter 11 and Appendix A in John Meyer and Clinton V. Oster (eds.), *Deregulation and the Future of Intercity Travel*, Cambridge: MIT Press, 1987.

José A. Gómez-Ibáñez, "The Federal Role in Urban Transportation," in John Quigley and Daniel Rubinfeld, *American Domestic Priorities: An Economic Appraisal*, University of California Press, 1985.

José A. Gómez-Ibáñez, "A Dark Side to Light Rail? The Experience of Three New Transit Systems," *Journal of the American Planning Association*, vol. 51, no. 3 (1985), pp. 337-51.

José A. Gómez-Ibáñez, "Transportation Policy as a Tool for Shaping Metropolitan Development" in *Research in Transportation Economics*, vol. 2 (1985), pp. 55-81.

José A. Gómez-Ibáñez and Ivor P. Morgan, "Deregulating International Markets: The Examples of Aviation and Ocean Shipping," *Yale Journal of Regulation*, vol. 2, no. 1 (1984), pp. 107-44.

José A. Gómez-Ibáñez, Clinton V. Oster, and Don Pickrell, "Airline Deregulation: What's Behind the Recent Losses?," *Journal of Policy Analysis and Management*, vol. 2, no. 1 (1983), pp. 74-89.

José A. Gómez-Ibáñez, "Transportation and the Poor," in Mary Jo Bane and Manuel Carballo (eds.), *The State and the Poor in the 1980's*, Auburn House Publishing (1983), pp. 143-70.

José A. Gómez-Ibáñez, Robert A. Leone, Stephen A. O'Connell, "Restraining Auto Imports: Does Anyone Win?," *Journal of Policy Analysis and Management*, vol. 2, no. 2 (1983), pp. 196-219.

José A. Gómez-Ibáñez and David Harrison, Jr., "Imports and the Future of the Automobile Industry," *American Economic Review*, vol. 72, no. 2 (1982), pp. 319-23.

José A. Gómez-Ibáñez and Gary R. Fauth, "Using Demand Elasticities from Disaggregate Mode Split Models," *Transportation*, vol. 9 (1980), pp. 105-24.

José A. Gómez-Ibáñez and Gary R. Fauth, "Downtown Auto Restraint Policies: The Costs and Benefits for Boston," *Journal of Transport Economics and Policy*, vol. 14 (May 1980), pp. 133-53.

John R. Meyer and José A. Gómez-Ibáñez, "Measurement and Analysis of Productivity in Transportation Industries," pp. 295-332, in National Bureau of Economic Research (eds.), *New Developments in Productivity Measurement*, University of Chicago Press, 1980.

Gary R. Fauth and José A. Gómez-Ibáñez, "New Location Patterns and U.S. Transportation Policy," *Transportation Research Record*, no. 716, 1979.

José A. Gómez-Ibáñez and John R. Meyer, "Productivity Growth and Labor Relations in Urban Mass Transit," in *Urban Transportation Economics*, Transportation Research Board, Special Report no. 181, 1978.

José A. Gómez-Ibáñez, "Assessing the Arguments for Urban Mass Transportation Operating Subsidies," *Transportation Research Record*, no. 573, 1976; reprinted in *Urban Transportation: Perspectives and Prospects*, Levinson and Wendt, Eno Foundation, 1982.

SELECTED TEACHING CASES

(Excludes cases in 1990 case book, *Cases in Microeconomics*)

2008 *Ho Chi Minh City*, HKS draft case

- The Subprime Mortgage Crisis*, HKS draft case
- Crossrail (A): The Business Case*, HKS draft case
- 2007 *Leasing the Pennsylvania Turnpike*, HKS case 1878.0
- 2006 *Vision Mumbai*, HKS case 1917.0
- Partnerships Victoria: The Public Sector Cost Comparator*, HKS case 1822.0
- Parking in San Francisco*, HKS case 1877.0
- 2005 *EDM (Energie du Mali)*, HKS case 1811.0
- The British Water Industry (A): The Evolution of Price-Cap Regulation*, HKS case 1809.0
- The British Water Industry (B): Glas Cymru and the Debate Over Non-Profits*, HKS case 1810.0
- Singapores Public Enterprises*, HKS case 1817.0
- 2004 *The Australian Fuel Tax Inquiry and Global Warming*, HKS draft case
- Congestion Charging in London (A): The Western Extension*, HKS case 1787.0
- Congestion Charging in London (B): The Economics of Congestion Charges*, HKS case 1788.0
- The Coffee Crisis*, HKS case 1776.0
- AirTran Airways West Coast Service*, HKS case 1789.0
- 2003 *Amtrak Under Fire*, HKS draft case
- Liconsa and The Program of Social Assistance for Milk, and Teaching Note*, HKS case 1766.0 and note 1766.2
- Far West Midtown*, GSD case
- Portlands Urban Growth Boundary and Housing Prices (A): The Debate*, HKS case 1703.0
- Portlands Urban Growth Boundary and Housing Prices (B): Note on Measuring Housing Prices*, HKS case 1704.0
- Shelter and Poverty Assistance in Nouakchott*, HKS case 1706.0.
- Rural Electrification in Nicaragua*, HKS case 1705.0
- 2002 *Arsenic in Drinking Water*, HKS case 1680.0
- Career Caravan*, HKS case 1695.0
- DARTs Suburban Service and Teaching Note*, HKS case 1696.0
- Argentinas Telecommunications Industry and the Economic Crisis of 2002*, HKS case 1678.0

- 2001 *Teaching Note for Cochín International Airport*, HKS note 1650.2
Teaching Note for Sound Move, HKS note 1639.2
Sound Move (B): The Debate Over Seattles Regional Transit System, HKS 1640.0
- 2000 *Costa Ricas Forests and the Market for Carbon Emissions Reduction Credits*, and *Teaching Note*, HKS case 1558.0 and note 1558.2
Bangkoks Skytrain (A): Opening the System, HKS case 1591.0
Bangkoks Skytrain (B): Sequel, HKS case 1592.0
- 1999 *Transener (A): The Electric Industry and the Wholesale Power Market*, HKS case 1635.0
Transener (B): The First Tariff Review, HKS case 1636.0
Transener (C): Expanding Transmission Capacity, HKS case 1637.0
Chile's Water System (A): The Privatization Debate, HKS case 1448.0
Chiles Water (B): Regulatory Reform, HKS case 1508.0
- 1998 *Office of the Rail Regulator (Abridged)*, HKS case 1533.3
Office of the Rail Regulator (A): The Regulator Assumes His Duties, HKS case 1533.1
Office of the Rail Regulator (B): New Issues and a New Government, HKS case 1533.2
SAGASCO Holdings Limited and Teaching Note, HKS case 1484.0 and note 1484.2
Teaching Note for Mexicos Competition Law and the Federal Competition Commission, HKS note 1486.2
- 1997 *Bangkoks Second Stage Expressway*, HKS case 1401.0
Mexicos Toll Highway Program, HKS case 1402.0
Sri Lanka Transport (A): The Bus Industry, HKS case 1377.0
Sri Lanka Transport (B): The Railroad and the Port, HKS case 1378.0
Buenos Aires-Colonia Bridge: The Project and Sequel HKS case 1400.0
- 1996 *Privatizing Transport in Argentina*, and *Teaching Note*, HKS case 1363.0
The Paraguay-Parana Waterway, HKS case 1360.0
Vancouver's Livable Region Plan, HKS case 1361.0
Santiagos Sewage, HKS case, HKS case 1362.0
Hidrocapital: The Caracas Water Company, HKS case 1345.0
Dulles Toll Road Extension, HKS case 1276.0

- 1995 *Gainesville Regional Utilities*, HKS case 1299.0
 Seouls Transportation Dilemma, GSD case
 Bridge over the Tempisque River, HKS case 1292.0
 Casco Bay Ferries, HKS case 1273.0
- 1991 *ENFE: The Bolivian National Railway*, HKS case
- 1980s *Sullivan Gray Riat*, GSD case
 Deregulating Japan's Airline Industry, GSD case
 East Colfax Avenue (A) and (B), GSD case
 Fan Pier/Pier Four, GSD case

WORKING PAPERS AND OTHER WRITINGS

José A. Gómez-Ibáñez and Fernanda Ruiz Nunez, *Inefficient Cities*, 2007.

Jose A. Gomez-Ibanez, *Alternatives to Infrastructure Privatization Revisited: Public Enterprise Reform from the 1960s to the 1980s*, World Bank Working Paper No. 4391, November 2007.

Jose A. Gomez-Ibanez, *The Future of Private Infrastructure*, Discussion Paper, Taubman Center for State and Local Government, Kennedy School of Government, Harvard University, April 2004.

Jose A. Gomez-Ibanez, *La Reacin Contra las Empresas de Servicios Pblicos*, pp. 537-546 in *Argentina: Crisis, Instituciones, y Crecimiento*, vol 2 (Buenos Aires: Fundacin de Investigaciones Economicas Lationaericanas, 2004).

Jose A. Gomez-Ibanez, *Growth in the Belfast-Dublin Corridor: Past and Future Trends*, paper presented at conference on the Belfast-Dublin Corridor, Dublin, October 2001.

José A. Gómez-Ibáñez, "Regulating Coordination: The Promise and Problems of Vertically Unbundling Private Infrastructure", Discussion Paper, Taubman Center for State and Local Government, Kennedy School of Government, Harvard University, December, 1999.

José A. Gómez-Ibáñez, "The Future of Private Infrastructure: Lessons from the Natinalization of Electric Utilities in Latin America, 1943-1979," Taubman Center for State and Local Government, Harvard University, discussion paper, January 1999.

José A. Gómez-Ibáñez, "Commitment and Flexibility: Strategies for Regulating Private Infrastructure," Taubman Center for State and Local Government, Harvard University, discussion paper, January 1999.

Jose A. Gomez-Ibanez, "Brazilian Railway Privatization", report to the World Bank, May 1998.

José A. Gómez-Ibáñez, "Bus Industry Issues and Options," report to the Transport Studies and Planning Center (Colombo) and the World Bank, pp. 126-45 in *Sri Lanka Transport Sector Strategy Study*, World Bank report no.16269-CE, March 1997.

José A. Gómez-Ibáñez, *Hard Choices: Boston's Transit Deficits and Ridership*, report to the U.S. Department of Transportation, University Transportation Centers Program, July 1994.

Amrita Daniere and Jose A. Gomez-Ibanez, "Infrastructure Services in Chile: A Spatial Analysis," paper presented at the conference on the political economy of urban development, Santiago, Chile, May 1994.

Jose A. Gomez-Ibanez, John R. Meyer, and Fernando C. Navarro, "Chile's Highway Concession Programs," report to the Ministry of Public Works, Santiago, Chile, September 1992.

Jose A. Gomez-Ibanez, Johan Bastin, and Fauzi Ichsan, "Indonesia's Private Toll Road Program," report to the Ministry of Finance, Jakarta, Indonesia, May 1992.

Jose A. Gomez-Ibanez and John R. Meyer, *Toll Roads and Private Concessions in France and Spain*, report to the U.S. Department of Transportation, University Transportation Centers Program, February 1992.

Jose A. Gomez-Ibanez and John R. Meyer, *Private Toll Roads in the United States: The Early Experience of Virginia and California*, report to the U.S. Department of Transportation, University Transportation Centers Program, December 1991.

Jose A. Gomez-Ibanez, Arnold M. Howitt, John R. Meyer, and Allan D. Wallis, *The Prospects for Private Rail Transit: Lessons from Three Case Studies*, report to the Urban Mass Transportation Administration, U.S. Department of Transportation, December 1991.

Jose A. Gomez-Ibanez and Johan Bastin, "Improving Jakarta's Bus Services: Privatization and Regulatory Reform" report to the Ministry of Finance, Jakarta, Indonesia, February 1991.

John R. Meyer and Jose A. Gomez-Ibanez, "ENFE (Empresa Nacional de Ferrocarriles) Performance Agreements: Now and in the Future," report to the Ministry of Planning, La Paz, Bolivia, November 1990.

Jose A. Gomez-Ibanez, "Does Development Pay Its Way?", paper presented at the October 1990 meetings of the Association of Policy Analysis and Management.

Jose A. Gomez-Ibanez and John R. Meyer, *Deregulating and Privatizing Urban Bus Services: Lessons from Britain*, report to the Urban Mass Transportation Administration, U.S. Department of Transportation under contract no. MA-11-00047, January 1989.

Jose A. Gomez-Ibanez and John R. Meyer, *Deregulating Urban Bus Service: Britain's Early Experience and the Lessons for the United States*, report to the Urban Mass Transportation Administration, U.S. Department of Transportation under contract no. MA-11-00046, November 1987.

Jose A. Gomez-Ibanez and Mary M. O'Keeffe, *The Benefits of Improved Investment Rules: A Case Study of the Interstate Highway System*, draft final report to the U.S. Department of Transportation under grant no. DTR 556-83-C-00008, January 1985.

Jose A. Gomez-Ibanez and Ivor P. Morgan, *Is a Competitive Maritime Policy Workable? Lessons from International Aviation*, report prepared for the U.S. Department of Transportation, July 1983.

Jose A. Gomez-Ibanez, "Regulatory Strategies for Coping with Uncertainty: A Case Study of Heavy-Duty Diesel Truck Particulate Emissions," draft report submitted to the U.S. Environmental Protection Administration, December 1982.

Jose A. Gomez-Ibanez, "Economic Analysis of Highway Investments," report to U.S. Federal Highway Administration, February 1982.

MRT Review Team (member), *Critique of the Singapore Comprehensive Transportation Study Phase a Final Report*, November 1981.

MRT Review Team (member), *Singapore's Transport and Development Options, report to the Republic of Singapore*, September 1980.

Jose A. Gomez-Ibanez, "Economic Effects," Ch. 3 in *Early Experience with Airline Deregulation*, by John R. Meyer et al., report to the Interstate Commerce Commission, April 1980.

Gary R. Fauth, Jose A. Gomez-Ibanez, Arnold M. Howitt, John F. Kain, and Hugh C. Wilkins, *Central Area Auto Restraint: A Boston Case Study*, report for the U.S. Urban Mass Transportation Administration under grant no. MA-11-0007, September 1978; CRP Research Report no. R78-2.

Gary R. Fauth and Jose A. Gomez-Ibanez, "Transferring Demand Models to Predict Benefits from Central Area Auto Restraints in Boston," September 1978; CRP Discussion Paper no. D-78-24,

Jose A. Gomez-Ibanez, "Transit Productivity Growth in New York Metropolitan Area," report presented to the Conference on Public Transportation in the New York Metropolitan Area sponsored by the Citizens Advisory Commission to the MTA Management Study, April 1977.

John R. Meyer and Jose A. Gomez-Ibanez, *Improving Urban Mass Transportation Productivity*, report to the Urban Mass Transportation Administration under grant MA-11-0026, February 1977, CRP Research Report no. R77-1.

Jose A. Gomez-Ibanez, *Transportation Policy and Urban Land Use Control*, report to the U.S. Environmental Protection Agency as part of grant no. R-802988 (John F. Kain, Principal Investigator), November 1975; CRP Discussion Paper no. D75-10.

Jose A. Gomez-Ibanez, *Federal Assistance for Urban Mass Transportation*, Ph.D. dissertation, Harvard University, January 1975.

PUBLIC SERVICE

- | | |
|---------------|---|
| 2007- | Chair, Committee on Vehicle Miles Travelled, Energy and Urban Density, National Research Council, Transportation Research Board |
| 2001-
2006 | Member (Chair since 2004), Technical Advisory Panel, Public Private Infrastructure Advisory Facility |
| 2000-
2001 | Member, Committee to Review the Corp's Upper Mississippi Navigation Study, National Research Council. |
| 1997-
1998 | Member, Study Committee on Competition in the U.S. Airline Industry, National Research Council, Transportation Research Board (report: Entry and Competition in the U.S. Airline Industry). |
| 1996-
1999 | Member, Advisory Board of Eno Foundation |
| 1995-
1996 | Member, Highway Cost Allocation Advisory Committee, National Research Council, Transportation Research Board |

- 1994-1995 Member, Civilian Tiltrotor Development Advisory Committee (to the U.S. Department of Transportation and U.S. Congress)
- 1993-1996 Chairman, Surface Freight Transportation Policy Committee, National Research Council, Transportation Research Board (report: *Paying Our Way*)
- 1992-1994 Member, Congestion Pricing Study Committee, National Research Council, Transportation Research Board (report: *Curbing Gridlock*)
- 1990-1991 Member, High Speed Ground Transportation Study Commission, National Research Council, Transportation Research Board (report: *In Pursuit of Speed*)
- 1985-1991 Chairman (1986-89) and Member of the Mayor's Transportation Advisory Committee, City of Boston
- 1986 Advisor to the Transportation Department of the Boston School Committee
- 1983-1986 Member, Policy Review Subcommittee, Transportation Research Board, National Academy of Sciences
- 1979-1980 Member, Analytic Panel of the Diesel Impacts Study Committee of the National Academy of Sciences (report: *Diesel Cars: Benefits, Risks and Public Policy*)
- 1979-1980 Member, Transportation Coordinating Committee, New England Regional Council
- 1977 Consultant to the Citizens Advisory Commission on the (New York) Metropolitan Transportation Authority Management Study
- 1977 Member, American Institute of Architects' Rural/Urban Design Assistance Team for West Palm Beach, Florida

CONSULTING

Consulting to governments, multinational institutions, and private companies.