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## CURRICULUM VITA

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### **Education**

Ph.D. 1990 Geography - Rutgers University, New Brunswick, New Jersey  
M.A. 1987 Geography - Rutgers University, New Brunswick, New Jersey  
A.B. 1984 Geography - Columbia University, New York, New York

### **Academic Positions**

2006- Acting Director, CUNY Institute for Sustainable Cities, City University of New York.  
2005- Chair, Department of Geography, Hunter College – City University of New York.  
2004-2005 Fellow, Center for Place, Culture, and Politics, City University of New York-Graduate Center  
2003- Professor, Department of Geography, Hunter College – City University of New York.  
2003- Faculty, Earth and Environmental Science Doctoral Program, City University of New York-Graduate Center  
2002-2003 Professor, Department of Earth & Environmental Studies, Montclair State University.  
1997-2002 Associate Professor, Department of Earth & Environmental Studies, Montclair State University.  
1996-1997 Associate Professor, Department of Geography, Florida State University.  
1991-1996 Assistant Professor, Department of Geography, Florida State University.  
1990-1991 Visiting Assistant Professor, Department of Geography and Planning, West Chester University.

### **Other Positions**

2002 Lecturer, Environmental Science, Policy, and Management, MPA Program, Columbia University, Biosphere2 Campus.  
2001-2003 Faculty, Center for Environmental Prediction, Rutgers University.  
1990 Summer Session Instructor, Department of Geography, Rutgers University.

## Publications

- Solecki, W.D. with many others (2007). *IPCC Working Group II Contribution to The Fourth Assessment Report*. Contributing author for Chapter 7. Industry, Settlement, and Society, and Chapter 14. North America. In press.
- Solecki, W.D. and Rosenzweig, C. (2007). Climate Change and Cities. In *Cities as Heroes in the Face of Environmental Change*. Bai, X. Ed. Yale University Press. In press.
- Solecki, W.D. and Leichenko, R. (2006). Urbanization and the Metropolitan Environment: Lessons from New York and Shanghai. *Environment* 48: 8-23.
- Solecki, W.D. and Rosenzweig, C. (2006). A metropolitan New York biosphere reserve. In *The Humane Metropolis: People and Nature in the Twenty-First-Century City*, Rutherford H. Platt. Univ. of Massachusetts and Lincoln Land Institute. 102-122.
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- Cutter, S.L., Tiefenbacher, J., and Solecki, W.D. (2006). En-gendered fears: Femininity and risk perception. In *Hazards, Vulnerability, and Environmental Justice*, edited by S.L. Cutter. Sterling, VA: Earthscan. 177-192.
- Cutter, S.L. and Solecki, W.D. (2006). Setting environmental justice in space and place: acute and chronic airborne toxic releases in the southeastern United States. In *Hazards, Vulnerability, and Environmental Justice*, edited by S.L. Cutter. Sterling, VA: Earthscan. 287-306.
- Rosenzweig, C., Solecki, W.D., Parshall, L., Chopping, M., Pope, G., and Goldberg, R. (2005). Characterizing the urban heat island in current and future climates in New Jersey. *Global Environmental Change B: Environmental Hazards*. 6: 51-62.
- Solecki, W.D., Rosenzweig, C., Parshall, L., Pope, G., Clark, M., Cox, J., and Wiencke, M. (2005). Mitigation of the heat island effect in urban New Jersey. *Environmental Hazards*, 6: 39-49.
- Sanchez-Rodriguez, R., Seto, K. C., Simon, D., Solecki, W.D., Frauke, K., Lauman, G. (2005). *Science Plan, Urbanization and Global Environmental Change*. International Human Dimensions Programme on Global Environmental Change. IHDP Report No. 15. Bonn, Germany: IHDP.
- Feng, H., Yu, L., Solecki, W. Eds. (2005). *Urban Dimensions of Environmental Change*. Science Press and Science Press USA Inc.: Monmouth Junction, NJ, Beijing.
- Leichenko, R. and Solecki, W.D. (2005). Globalization, Urbanization, and Environmental Change: The Creation of Consumption Landscapes in Developing Country Cities. In *Urban Dimensions of Environmental Change: Science, Exposures, Policies, Technologies*. Monmouth Junction, NJ: Science Press, pp. 147-154.
- Solecki, W., Leichenko, R. Feng, H and Yu, L. (2005). Cities, Environmental Change and

- Sustainability. In *Urban Dimensions of Environmental Change: Science, Exposures, Policies, Technologies*. Monmouth Junction, NJ: Science Press, pp. 323-324.
- Leichenko, R.M. and Solecki, W.D. (2005). Exporting the American Dream: Globalization and the Creation of Consumption Landscapes in Less Developed Country Cities, *Regional Studies*. 39, 241-253.
- Solecki, W.D. and Rosenzweig, C. (2004). Biodiversity, biosphere reserves, and the Big Apple: A study of the New York metropolitan region. In *Urban Biosphere and Society, Partnership of Cities*, edited by C. Alfsen-Norodom, B. Lane, and M. Corry. Annals of the New York Academy of Sciences, Volume 1023, June 2003, pp. 105-124.
- Solecki, W.D., Mason, R., and Martin, S. (2004). The Geography of Support for Open Space Initiatives: A Case Study of New Jersey's 1998 Ballot Measure. *Social Science Quarterly*. 85, 624-639.
- Solecki, W.D., and Oliveri, C. (2004). Downscaling Climate Change Scenarios in an Urban Land Use Change Model. *Journal of Environmental Management*. 72, 105-115.
- Walker, R. and Solecki, W.D. (2004). Theorizing land cover and land use change: The case of the Florida Everglades and its degradation. *Annals of the Association of American Geographers*, 94, 311-328.
- Hogrefe, C., Ku, J.-Y., Civerolo, K., Lynn, B., Werth, D., Avissar, R., Rosenzweig, C., Goldberg, R., Small, C., Solecki, W.D., Gaffin, S., Holloway, J., Rosenthal, J., Knowlton, K., and Kinney, P.L. (2003). Modeling the impact of global climate change and regional land use change on regional climate and air quality over the Northeastern United States. *Proceedings of the 26<sup>th</sup> NATO/CCMS International Technical Meeting on Air Pollution Modeling and its Application*, May 26-30, Istanbul, Turkey.
- Solecki, W.D. and Rosenzweig, R., Pope, G., Parshall, L., and Wiencke, M. (2002). The current and future urban heat island effect and potential mitigation strategies in the greater Newark, New Jersey region. *Proceedings of the 1<sup>st</sup> North American Heat Island Summit*, Toronto Canada.
- Solecki, W.D. (2001). Environmental hazards, Editorial. *Global Environmental Change B: Environmental Hazards*. 3(1): 1-2.
- Solecki, W.D. and Walker, R. (2001). Creating the south Florida landscape. In *Growing Populations, Changing Landscapes, Studies from India, China, and the United States*. Edited by Tri-Academy Panel on Population and Land Use, U.S. Committee Members, Gordon Wolman, chair. Washington, D.C.: U.S. National Academy of Sciences. Pp. 237-274.
- Solecki, W.D. and Rosenzweig, C. (2001). The impact of potential climate change in metropolitan New York. In *From the Hudson to the Hamptons: Snapshots of the New York Metropolitan Area*. Edited by Ines M. Miyares, Marianna Pavlovskaya, and Gregory Pope. Washington, DC: Association of American Geographers.
- Solecki, W.D. (2001). The role of global-to-local linkages in land use/land cover change in South Florida. *Ecological Economics*. 37(3): 339-356.
- Tri-Academy Panel on Population and Land Use (Solecki was a panel member, contributor and editor). (2001). *Growing Population, Changing Landscapes, Studies from China, India, and the United States*. Washington, DC: U.S. National Academy of Sciences. 299p.

- Rosenzweig, C. and Solecki, W.D. Eds. (2001). *Climate Change in a Global City: The Impacts of Potential Climate Variability and Change in the New York Metropolitan Region*. New York: Columbia Earth Institute. 241p.
- Walker, R. and Solecki, W.D. (2001). South Florida: The reality of change and the prospects for sustainability. *Ecological Economics*. 37(3): 333-337.
- Rosenzweig, C and Solecki, W.D. (2001). Global environmental change and a global city: Lessons for New York. *Environment*. 43(3): 8-18.
- Michaels, S. Mason, R.J., Solecki, W.D. (2001). Participatory research on collaborative environmental management: Results from the Adirondack Park. *Society & Natural Resources*. 14: 251-255.
- Solecki, W.D., Long, J., Harwell, C., and Myers, V. and Zubrow, E. with Ankerson, T., Deren, C., Feanny, C., Hamann, R., Hornung, L., and Snyder, G. (1999). Human-environment interaction in South Florida's Everglades region: Systems of ecological degradation and restoration. *Urban Ecosystems*. 3: 2&3: 185-224.
- Harwell, C., Deren, C.W., Snyder, G.H., Solecki, W.D., Wilson, J., and Harwell, M.A. (1999). Use of a conceptual model of societal drivers of ecological change in South Florida: Implications of an ecosystem scenario. *Urban Ecosystems*. 3: 2&3: 225- 251.
- Walker, R. and Solecki, W.D. (1999). Land cover change, sustainability, and the biosphere reserve concept. *Annals of the Association of American Geographers*. 89:220-237.
- Michaels, S., Solecki, W.D., and Mason, R. (1999). Motivations for ecostewardship partnership: Examples from the Adirondack Park. *Land Use Policy*. 16:1-9.
- Tiefenbacher, J.T., and Solecki, W.D. (1999). Reducing toxic chemical releases: a case study of the U.S. paper industry. *Risk-Issues in Health and Safety*. 10:289-314.
- Mason, R.J., Michaels, S. and Solecki, W.D. (1999). Partnering in place: The role of local context in environmental management-oriented organization partnership activities in the Adirondacks Park. *Environmental Conservation*. 26(3): 159-162.
- Solecki, W.D. (1999). Environmental hazards and interest group coalitions in contemporary megacities: A case study of changing metropolitan Miami after Hurricane Andrew. In *Megacities and Vulnerability*, edited by James K. Mitchell. Tokyo: United Nations University. Pp. 428-472.
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- Solecki, W.D. and Birnbaum, S. (1998). Teaching global environmental change as local political conflict. In *Teaching Political Geography*, edited by Fred Shelley, J. Clark Archer, Fiona Davidson, Jonathan I. Leib, Gerald R. Webster, and Scot Myers. Washington, D.C.: National Council for Geographic Education. Pp. 91-98.
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- Solecki, W.D. and Shelley, F.M. (1996). Pollution, political agendas, and policy windows: environmental policy on the eve of *Silent Spring*. *Environment and Planning C: Government and Policy*. 14: 451-468.
- Cutter, S. and Solecki, W.D. (1996). Setting environmental justice in space and place: acute and chronic airborne toxic releases in the southeastern United States. *Urban Geography*. 17: 380-399. Part of a special issue on environmental justice.
- Solecki, W.D. (1996). Paternalism, pollution and protest in a company town. *Political Geography*. 15: 5-20.
- Solecki, W.D., Walker, R., Hodge, S., and Landers, A. (1995). Ecosystem Management and Modeling of Biosphere Reserves through the Use of Geographic Information Systems: A Case Study of the Southern Florida Biosphere Region. U.S. Man and the Biosphere Program: Washington, DC. 41p.
- Solecki, W.D. and Welch, J. (1995). Urban parks: green spaces or green walls? *Landscape and Urban Planning*. 32: 93-106.
- Cutter, S.L., Tiefenbacher, J.P., and Solecki, W.D. (1994). Engendered fears: femininity and risk perception. In *Environmental Risks and Hazards*, edited by Susan L. Cutter. Englewood Cliffs, N.J.: Prentice Hall.
- Solecki, W.D. (1994). Putting the biosphere reserve concept into practice: Some evidence of impacts in the rural United States. *Environmental Conservation*. 21: 242-247.
- Solecki, W.D. and Michaels, S. (1994). Looking through the post-disaster policy window. *Environmental Management*. 18: 587-595.
- Solecki, W.D. (1993). A contextual analysis of acutely toxic releases in rural America. *Environmental Professional*. 15: 389-399.
- Solecki, W.D. (1993). Funding of disaster management and the changing structure of rural county budgets. *Progress in Rural Planning and Policy*. 3: 27-44.
- Solecki, W.D. (1992). Rural places and the circumstances of acute chemical disasters. *Journal of Rural Studies*. 8: 1-13.
- Cutter, S.L., Tiefenbacher, J.P., and Solecki, W.D. (1992). Engendered fears: femininity and risk perception. *Industrial Crisis Quarterly*. 3: 4-16.
- Cutter, S.L., Tiefenbacher, J.P., Wiley, J., Birnbaum, S., and Solecki, W.D. (1991). Measuring litter in New Jersey. *Applied Geography* 11:125-141.
- Cutter, S.L. and Solecki, W.D. (1989). The national pattern of airborne toxic releases. *Professional Geographer* 41:149-161.
- Solecki, W.D. (1989). Geographic patterns of rural toxic airborne releases. *Proceedings*. Association of American Geographers, Middle States Division Annual Meeting, 21:108-121.
- Solecki, W.D. and Cutter, S.L. (1987). Living in the nuclear age: Teaching about nuclear war and peace. *Journal of Geography*. 87: 114-120.
- Mason, R.J., Solecki, W.D. and Lotstein, E. (1987). Comments on 'Bioregionalism' and

'Watershed Consciousness.' *Professional Geographer*. 39: 67-68.

Rogers, G.F, Robertson, J.M., Solecki, W.D. and Vint, M.K. (1985). Role of Myrica pennsylvanica (bayberry) expansion in grassland at Gateway National Recreation Area, Brooklyn, NY. *Bulletin of the Torrey Botanical Club*. 112: 74-78.

### ***Other Publications, Technical Reports, and Related Work***

Solecki, W.D. (2006). A Plan for Growth. Letter to the Editor, *New York Times*, December 17, Section 4.

Rosenzweig, C., and Solecki, W.D. Ed. (2006). *Potential Impact of Green Roofs on the Urban Heat Island Effect*. New York State Energy Research and Development Authority, Project Final Report.

Leichenko, R.M., and Solecki, W.D. (2006). Global cities and local vulnerabilities. *IHDP Newsletter 2*. Pages 10-12.

Solecki, W.D., Rosenzweig, C., Cox, J., Parshall, L. (2006). Potential impact of green roofs on the urban heat island effect. In Rosenzweig, C., S. Gaffin, and L. Parshall, Eds., *Green Roofs in the New York Metropolitan Region*. Columbia University Center for Climate Systems Research and NASA Goddard Institute for Space Studies. New York, NY.

Rosenzweig, C., W.D. Solecki, and R.B. Slosberg. (2006). Mitigating New York City's Heat Island with Urban Forestry, Living Roofs, and Light Surfaces. New York City Regional Heat Island Initiative. Final Report. The New York State Energy Research and Development Authority. New York, NY. 122pp.

Rosenzweig, C. and Solecki, W.D. (2005). Climate Change in the New York Metropolitan Region – Critical Questions and Answers. Climate Change Information Resource (CCIR). Website for New York Metropolitan Region. National Oceanographic and Atmospheric Administration.

Solecki, W.D. Rosenzweig, C. Pope, G., Chopping, M., Goldberg, R., and Polissar, A. (2003). Urban Heat Island and Climate Change: An Assessment of Interacting and Possible Adaptations in the Camden, NJ Region. NJ Department of Environmental Protection. Environmental Assessment and Risk Analysis Element, Research Project Summary.

Solecki, W.D., Rosenzweig, C., Pope, G., Clark, M. Lazar, V. and Goldberg, R. (2003). Analysis of the Current and Future Heat Island Effect in the Greater Camden, New Jersey Region and Potential Adaptations. NJ Department of Environmental Protection.

Rosenzweig, C., and Solecki, W.D. (2003). The Urban Heat Island Effect in the Greater Newark, New Jersey Region: Current Conditions, Impacts of Potential Climate Change, and The Role of UHI Mitigation Strategies. U.S. Environmental Protection Agency. Phase II.

Solecki, W.D. (2002). Environmental Change and Megacities. Document prepared for the International Geographical Union, Megacities Task Force.

Solecki, W.D. (2002). Climate Change and Cities: An Assessment of Current Research. Document prepared for the IHDP Urban Study Group.

Rosenzweig, C. and Solecki, W.D. (2002). New York as a Biosphere Reserve – Roundtable Discussion – Summary. Urban Biosphere Group – UNESCO-Columbia University, Biodiversity Program.

- Solecki, W.D. (2002) Land Use Change Analysis Group Website – Analysis of land use change in the New York metropolitan region, 1930-2050. <http://www.csam.montclair.edu/luca>.
- Solecki, W.D. and Rosenzweig, C. (2002). The Urban Heat Island Effect in the Greater Newark, New Jersey Region: Current Conditions, Impacts of Potential Climate Change, and The Role of UHI Mitigation Strategies. U.S. Environmental Protection Agency. Phase I.
- Solecki, W.D. and Rosenzweig, C. (2000). Comments on the U.S. National Assessment with attention to the need for urban-focused research.
- Rosenzweig, C. and, Solecki, W.D. (1999). Defining key issues for assessing potential climate change in the Metropolitan East Coast Region. *Acclimations: National Assessment of the Potential Consequences of Climate Variability and Change*. May/June.
- Solecki, W.D. (1998). Electronic list service of New York Metro Region Climate Change Network. Developer and owner. Montclair State University, Department of Earth and Environmental Studies and Office of Information Technologies.
- Solecki, W.D. (1996). Electronic list service of Florida Geography (fla\_geog). Developer and owner. Florida State University, Department of Geography and Office of Academic Computing and Networking Services.
- Cardec, A., Nicley, E., and Solecki, W.D. (1996). *Bibliography of Florida Geography*. Florida State University, Department of Geography, Working Paper Series, Volume 2.
- Solecki, W.D. (1995). A review of recent trends in technological hazards prevention. Presented in a World Health Organization document. Edited by Ben Wisner.
- Winsberg, M., Solecki, W.D. and Walker, R. (1994). Rapidly changing land use in South Florida: measurement, problem, and solution. *Governing Florida*. 4: 23-28.
- Solecki, W.D., Walker, R. and Hodge, S. (1994). Data Dictionary for South Florida -Everglades Region. U.S. Man and the Biosphere, HDS-GIS Workgroup Paper.
- Walker, R., and Solecki, W.D. (1994). Encroachment and land use change in biosphere reserve regions. U.S. Man and the Biosphere, HDS-GIS Workgroup Paper.
- Solecki, W.D. (1991). Notes on S.A.R.A. Title III, acute chemical releases and emergency preparedness of rural America. *Hazardous Materials Dialogue*.
- Cutter, S.L., Birnbaum, S., Gronberg, K., Keebler, D., McNair, N., Solecki, W., Sun, D., Tiefenbacher, J., Wiley, J. (1989). *New Jersey Litter Survey, 1989*. N.J. Department of Environmental Protection, Trenton, NJ.
- Solecki, W., and Cutter, S.L., (1987). Living in the nuclear age. In *Fostering Global Thinking: A Geographical Teaching Resource Guide*, edited by Joanna Regulska and Susan Cutter, Department of Geography, Rutgers University, pp. 34-43.
- Cutter, S.L., Solecki, W.D., and Mason, A.B., 7(1987). Emergency response planning for acute releases of hazardous substances: An Annotated Bibliography. Department of Geography Discussion Paper #25. New Brunswick, N.J.: 33 pp.
- Rogers, G., Solecki, W.D., and Vint, M.K., (1984). *Vegetation mapping and repeat photography*. U.S. National Park Service, Gateway National Recreation Area, Brooklyn, NY.

### **Book Reviews**

- Solecki, W.D. (1996). A review of *Sustainable Cities*, by Graham Haughton and Colin Hunter. In *Annals of the Association of American Geographers*, 86: 800-801.
- Solecki, W.D. (1996). A review of *Forcing the Spring: The Transformation of the American Environmental Movement*, by Robert Gottlieb. In *Political Geography*, 15: 224-226.
- Solecki, W.D. (1992). A review of *Communicating Risks to the Public, International Perspectives*, edited by Roger E. Kasperson and Pieter Jan M. Stallen. In *Annals of the Association of American Geographers*, 82: 720-722.
- Solecki, W.D. (1991). A review of *The Fate of the Forest: Developers, Destroyers and Defenders of the Amazon*, by Susanna Hecht and Alexander Cockburn, and *The Burning Season: The Murder of Chico Mendes and the Fight for the Amazon Rain Forest*, by Andrew Revkin. In *Environmental History Review* 15: 87-90.
- Solecki, W.D. (1989). A review of *Managing Disasters*, edited by Louise Comfort. In *Environment and Behavior* 21: 498-500.

### **Manuscripts Submitted/In Preparation**

- Cox, J.R., Rosenzweig, C., Solecki, W.D., Goldberg, R., and Kinney, P. (2007). Social Vulnerability to Climate Change: Neighborhood Analysis of the Northeast U.S. Megaregion, part of the Northeast Climate Change Impacts Assessment. Under review.
- Leichenko, R. and W. Solecki. (2007). Suburban Consumption Landscapes and Environmental Justice in Cities of the Developing World, *Society and Natural Resources*. Under review.
- Cox, J., Porter, M., Solecki, W.D. (2007). Restructuring the Landscape of the New York Metropolitan Region 1950-2000. To be submitted to *Urban Geography*.

### **Professional Presentations**

#### **Conference Abstracts - International Conferences**

- Leichenko, R.M., and Solecki, W.D. (2005). The Globalization of Suburban Consumption Landscapes. Sixth Open Meeting of the Human Dimensions of Global Environmental Change Research Community, Bonn, Germany.
- Solecki, W.D. and Leichenko, R. (2004). Development of Suburban Shanghai. Final Urban Ecosystem Initiative Workshop. United Nations University/Institute for Advanced Studies, New York.
- Solecki, W.D., Oliveri, C., and Stroehle, C. (2004). Understanding and modeling the changing landscape of the New York Metropolitan Region. An International Conference on the Urban Dimensions of Environmental Change: Science, Exposures, Policies, and Technologies, Shanghai, China.
- Cox, J.R., Solecki, W.D., Chopping, M.J., Parshall, Rosenzweig, C. (2004). Urban Heat Islands and the Built Environment: A Case Study of the New York Metropolitan Region. An International Conference on the Urban Dimensions of Environmental Change: Science, Exposures, Policies, and Technologies, Shanghai, China.



- Leichenko, R. and Solecki, W.D. (2004). Suburbanization, Consumption Landscapes and Globalization. International Geographic Union, Congress Meeting, Glasgow, Scotland.
- Leichenko, R.M., and Solecki, W.D. (2003). Globalization, Urbanization, and Environmental Change: The Creation of Consumption Landscapes in Developing Countries Cities. An International Conference on the Urban Dimensions of Environmental Change: Science, Exposures, Policies, and Technologies, Shanghai, China.
- Knowlton, K., Rosenthal, J., Rosenzweig, C., Solecki, W., Hoggrefe, C., Linn, B., Avissar, R. (2003). Heat Stress Mortality in the NYC Metropolitan Area: Estimates for the 2050s Using a Linked Global-Regional Climate Modeling System. Fifth Open Meeting of the Human Dimensions of Global Environmental Change Research Community, Montreal, Canada.
- Solecki, W., and Rosenzweig, C. (2003). Climate Variability and Climate Change in a Urban Watershed Region. Fifth Open Meeting of the Human Dimensions of Global Environmental Change Research Community, Montreal, Canada.
- Rosenzweig, C. and Solecki, W.D. (2003). Climate Change and the Urban Heat Island Effect. Fifth Open Meeting of the Human Dimensions of Global Environmental Change Research Community, Montreal, Canada.
- Solecki, W.D., Bredlau, C.E., Oliveri, C., Stroehle, C. (2003). Integrating Land Use Change Models into Climate Change Impact Studies. Framing Land Use Dynamics: Integrating knowledge on spatial dynamics in socio-economic and environmental systems for spatial planning in western urbanized countries, International Conference. Utrecht University, The Netherlands. (abstract accepted unable to attend)
- Solecki, W.D. Rosenzweig, C., Linky, E.J., Pope, G., and Clark, M. (2002). Current and Future Urban Heat Island Effect in the Greater Newark, New Jersey Region and Potential Adaptations. 1<sup>st</sup> North American Urban Heat Island Summit, Toronto, Ont.
- Rosenzweig, C. and Solecki, W.D. (2001). New York as a biosphere reserve? Assessing the ecological footprint on New York City Metropolitan (USA). International Conference on Biodiversity and Society, New York, NY.
- Solecki, W.D. (2000). The socio-economic drivers of land use/land cover change in two metropolitan regions in the U.S.A.: Case studies of Southern Florida and Northern New Jersey. 29<sup>th</sup> International Geographical Congress, Seoul, South Korea.
- Solecki, W.D. (1999). Population and land use change in South Florida and Greater Chicago, United States. Third Open Meeting of the Human Dimensions of Global Environmental Change Research Community, Shonan Village, Kanagawa, Japan.
- Solecki, W.D. (1999). A framework for understanding the role of global-to-local linkages in environmental change. Open Meeting of the Human Dimensions of Global Environmental Change Research Community, Shonan Village, Kanagawa, Japan.
- Walker, R., Solecki, W.D., and Harwell, C. (1995). Land use practices and dynamics in South Florida: a case study of the use of geographic information systems for analysis of biosphere reserves. International Conference on Biosphere Reserves, Seville, Spain.
- Solecki, W.D. and Cutter, S.L. (1995). Assessing vulnerability to catastrophic versus chronic risk: a story of the Southeastern U.S.A. International Symposium on Computer Mapping in Epidemiology and Environmental Health, Tampa, FL.

Michaels, S. and Solecki, W.D. (1991). Putting hazards in place: the consideration of hazards in regional planning. International Conference on the Impact of Natural Disasters, University of California, Los Angeles, CA.

### ***Conference Abstracts - National Conferences***

Leichenko, R., and Solecki, W. (2006). Urban Vulnerability to Global Environmental Change: A Framework for Analysis. Annual Meeting of the Association of American Geographers, Chicago.

Solecki, W.D. and Leichenko, R.M. (2006). Globalization and Urban Vulnerability to Disasters. Annual MaGrann Conference, Department of Geography, Rutgers University, New Brunswick, NJ.

Rosenzweig, C., W. Solecki, L. Parshall, S. Gaffin, B. Lynn, R. Goldberg, J. Cox, and S. Hodges. (2006). Mitigating New York City's heat island with urban forestry, living roofs, and light surfaces. Annual Meeting of the American Meteorological Society. Atlanta, Georgia.

Solecki, W.D. and Leichenko, R.M. (2005). Environmental Justice and Suburban Consumption Landscapes. Annual Meeting of the Association of American Geographers, Denver, CO.

Cox, J.R., Solecki, W.D., Hodges, S., Parshall, L. and Rosenzweig, C. (2005). Suburbs, Sprawl, and Urban Heat Islands, Annual Meeting of the Association of American Geographers. Denver, CO.

Knowlton, K., Rosenthal, J., Rosenzweig, C., Solecki, W., Hogleffe, C., Linn, B., Avissar, R. (2004). Projecting the local impacts of global climate change on public health in New York City. Annual Meeting of the American Public Health Society Washington, DC.

Cox, J.R., Solecki, W.D., Chopping, M.J., Parshall, Rosenzweig, C. (2004). Urban Heat Islands and the Built Environment: A Case Study of the New York Metropolitan Region. Annual Meeting of the Association of American Geographers. Philadelphia, PA.

Leichenko, R.M. and Solecki, W.D. (2004). Suburban Consumption Landscapes and Environmental Justice: Processes and Outcomes. Annual MaGrann Conference, Department of Geography, Rutgers University, New Brunswick, NJ.

Solecki, W.D., Oliveri, C., and Stroehle, C. (2003). Modeling land use change in the New York Metropolitan Region using the SLEUTH program. Annual meeting of the Association of American Geographers. New Orleans, LA.

Solecki, W.D. and Li Huang (2002). Globalization, growth coalitions, and landscape change: case studies of Shanghai and New York. Annual meeting of the Association of American Geographers. Los Angeles, CA.

Solecki, W.D. (2001). Assessing the impact of globalization and other non-local forces on the land use decision-making process in Northern New Jersey. Annual meeting of the Association of American Geographers. New York, NY.

Becker, M. and Solecki, W.D. (2000). MetroEast Coast Climate Assessment and the use of the Geographic Information Systems. ESRI User's Conference. San Diego, CA.

Solecki, W.D. and Mason, R.J. (2000). Voting for open space preservation in New Jersey. Annual meeting of the Association of American Geographers. Pittsburgh, PA.

- Solecki, W.D. (2000). Land use and land cover change in U.S. metropolitan areas: A comparative case study of southern Florida and northern New Jersey. Annual meeting of the Association of American Geographers, Pittsburgh, PA.
- Rosenzweig, C. and Solecki, W.D. (1999). Climate change and a global city: An assessment of the metropolitan east coast region. American Geophysical Union Meeting, Boston, May.
- Mason, R.J. Michaels, S. and Solecki, W.D. (1999). Partnerships in Place: A Study of Collaborative Environmental Management in the Adirondack Park. Association of American Geographers, Annual Meeting, Honolulu, HI.
- Solecki, W. D. (1998). Local attitudes toward ecosystem management: A case study of the New Jersey Pinelands residents. Association of the American Geographers, Annual Meeting, Boston, MA.
- Michaels, S., Mason, R., Solecki, W.D. (1997). Bridging political reality and ecological necessity: The role of public/private partnerships in regional ecosystem management. Association of Collegiate Schools of Planning, Annual Meeting, Ft. Lauderdale.
- Solecki, W.D. (1997). The role of coalitions and interest groups in regional environmental change. Association of the American Geographers, Annual Meeting, Ft. Worth, TX.
- Solecki, W.D. (1996). Land use/land cover changes in the Florida Everglades region: the role of global-to-local linkages. Association of the American Geographers, Annual Meeting, Charlotte, NC.
- Walker, R., Solecki, W.D., and Harwell, C. (1995). Land use dynamics and ecological transition: the case of South Florida. Ecological Society of America Annual Meeting, Snowbird, Utah.
- Solecki, W.D. (1995). Paternalism and power: pathways guiding an environmental conflict. Association of the American Geographers, Annual Meeting, Chicago, IL.
- Solecki, W.D. (1994). Organizational factors influencing toxic chemical release reduction as pollution prevention: a case study of the U.S. paper industry. Society for Risk Analysis, Annual Meeting, Baltimore, MD.
- Solecki, W.D., Walker, R., and Harwell, C. (1994). Land use practices and dynamics in South Florida: a case study of the use of geographic information systems for analysis of biosphere reserves. American Institute of Biological Science, Annual Meeting, Knoxville, TN.
- Solecki, W.D. and Zapolsky, S. (1994). Residential growth and change in exurban Philadelphia. Association of the American Geographers, Annual Meeting, San Francisco, CA.
- Michaels, S. and Solecki, W.D. (1994). The post-disaster policy window and the context of hazards management. Association of the American Geographers, Annual Meeting, San Francisco, CA.
- Cutter, S. and Solecki, W.D. (1993). Acute versus chronic risk: airborne toxic releases in the southeastern United States. Society for Risk Analysis, Annual Meeting, Savannah, GA.
- Solecki, W.D. (1993). U.S. paper mill industry and factors in environmental quality. Association of the American Geographers, Annual Meeting, Atlanta, GA.

- Zapolsky, S., Walker, R. and Solecki, W.D. (1993). The impacts of sustainability planning on dynamic rural systems. Association of the American Geographers, Annual Meeting, Atlanta, GA.
- Welch, J. and Solecki, W.D. (1993). Urban parks: green spaces or green walls? Association of the American Geographers, Annual Meeting, Atlanta, GA.
- Solecki, W.D. (1992). Hazardous chemical releases and the context of risk in rural America. Association of American Geographers, Annual Meeting, San Diego, CA. J. Warren Nystrom Dissertation Award Session.
- Solecki, W.D. (1991). Chemical spills and response capability in the rural United States. Society for Risk Analysis, Annual Meeting, Baltimore, MD.
- Solecki, W.D. (1990). Acute chemical spills and the hazardousness of rural places. Association of American Geographers, Annual Meeting, Toronto, Ont.
- Cutter, S., Solecki, W.D. and Tiefenbacher, J. (1989). The psychometric analysis of technological risks and benefits revisited. Society for Risk Analysis, Annual Meeting, San Francisco, CA.
- Solecki, W.D. (1989). Managing acute chemical hazards in the rural United States. Association of American Geographers, Annual Meeting, Baltimore, MD.
- Cutter, S. and Solecki, W.D. (1988). Population vulnerability to airborne acute toxic releases. Society for Risk Analysis, Annual Meeting, Washington, DC.
- Solecki, W.D., and Cutter, S. (1987). Measuring population vulnerability to releases of acute toxics. Association of American Geographers, Annual Meeting, Portland, OR.
- Solecki, W.D., Lotstein, E., and Cutter, S. (1986). Passing gas: the geography of acute toxic airborne releases. Society for Risk Analysis, Annual Meeting, Boston, MA.
- Cutter, S., and Solecki, W.D. (1986). A teaching module on nuclear war: variations on a theme. Invited paper for a special session on teaching about nuclear war and its geographical consequences. National Council for Geographic Education, Annual Meeting, Chicago, IL.

### ***Conference Abstracts - Regional Conferences***

- Cox, J.R., Solecki, W.D., Hodges, S., Parshall, L. and Rosenzweig, C. (2004). Skin of the Big Apple. Annual Middle States Meeting of the Association of American Geographers. Villanova, PA
- Solecki, W.D. (2003). The Role and Importance of Ecosystem Management in Southern New Jersey. Science of Sprawl Conference. Trenton, NJ. Hosted by Rutgers University and NJ Department of Environmental Protection.
- Solecki, W.D. G. Pope, C. Rosenzweig, V. Lazar, Clark, M. (2002). The potential mitigation of the urban heat island effect in the Greater Newark, New Jersey Region. Middle States Division of the Association of American Geographers, Upper Montclair, NJ.
- G. Pope, W.D Solecki., C. Rosenzweig, V. Lazar, Clark, M. (2002). Transects and textures in the urban heat island: Camden, New Jersey and environs. Middle States Division of the Association of American Geographers, Upper Montclair, NJ.

- Solecki, W.D., and C. Rosenzweig (2002). New York, Ecological Cities, and Regional Environmental Management Strategies. *The Humane Metropolis: People and Nature in the 21<sup>st</sup> Century – A Symposium to Celebrate and Continue the Work of William H. Whyte.*
- Solecki, W.D., Rosenzweig, C., Parshall, L., Wiencke, M., and Stroehle, C. (2001). Urban heat island in the greater Newark region and potential adaptations. Middle States Division of the Association of American Geographers, Bloomsburg, PA.
- Solecki, W.D. Kawada, M., Campara, P., Lazar, V. (2000). The Hackensack Meadowlands Region – A Landscape in Transition. Middle States Division of the Association of American Geographers, Bloomsburg, PA.
- Solecki, W.D. Gower, J. and Paradiso, B. (1999). Land use/land cover change in metropolitan northern New Jersey. Middle States Division of the Association of American Geographers, West Chester, PA.
- Solecki, W.D. (1998). Report on Potential Climate Change Impacts for the Greater New York Metropolitan Area as part of the U.S. National Assessment. Middle State Division of Association of American Geographers, New Brunswick, NJ.
- Solecki, W.D., Mason, R., and Michaels, S. (1998). A Workshop on Collaborative Environmental Management in the Adirondacks. Fifth Annual on the Adirondacks, Saranac Lake, NY.
- Michaels, S., Solecki, W.D., and Mason, R. (1997). Understanding public/private partnerships in the context of the Adirondack Park, Adirondack Research Consortium, Annual Meeting, Syracuse, NY.
- Shelley, F., and Solecki, W.D. (1995). Noisy February: The rise of environmental politics before *Silent Spring*. Association of American Geographers, Southwest Division, Annual Meeting, El Paso, TX.
- Solecki, W.D. (1988). Non-metropolitan acute toxic hazards. Association of American Geographers, Middle States Division, Annual Meeting, Reading, PA.
- Solecki, W.D. (1987). The pattern of airborne acute toxic releases. Megalopolis: 25 Years After. East coast geography student conference, New Brunswick, NJ.
- Solecki, W.D. (1986). The effect of the Environmental Cleanup Responsibility Act on redevelopment in Jersey City, New Jersey. Association of American Geographers, Middle States Division, Annual Meeting, New York, NY.

## **Other Presentations**

### ***Selected Conference Panel Member/Discussant***

- Panel Member, Urbanization and Global Environmental Change, Sixth Open Meeting of the Human Dimensions of Global Environmental Change Research Community, Bonn, Germany, October 2005.
- Panel Member, Urbanization and Global Environmental Change: Interactions within Cities, Annual Meeting of the Association of American Geographers, April 2005.
- Panel Member. Global Warming. The Data Connection XIII, Bringing Together Producers and Users of Data. The New York Area Data Council, March 18, 2003, New York City.

Panel Member. New Jersey Environmental Conditions – Climate Change and Sea Level Rise. Consortium Meeting (Monmouth University, Montclair State University, Rutgers University) Sandy Hook, New Jersey, January, 2003.

Panel Member. Workshop on Urban Growth in the Mid-Atlantic Region. Mid-Atlantic Federal Partners for the Environment. Baltimore, MD. April 2002.

Panel Member. A Hard Rain's A-Gonna Fall: Global Warming Goes Local. Society of Environmental Journalists – Regional Conference, January 2002.

Rapporteur. International Conference on Biodiversity and Society, UNESCO and Columbia University, May 2001.

Discussant, Spatial data integration for environmental sustainability. Association of American Geographers Annual Meeting, New York, NY, February 2001.

Panel member, Urban ecology: Current initiatives. Association of American Geographers Annual Meeting, New York, NY, February 2001.

Panel member, Science, policy, and public interests: Lessons for geographers from recent environmental hazard initiatives. Association of American Geographers Annual Meeting, Pittsburgh, PA., March 2000.

Panel member, Global change and the environment. Association of American Geographers Annual Meeting, Pittsburgh, PA., March 2000.

Panel member, Results from the U.S. National Assessment of Potential Climate Change Impacts, Association of American Geographers Annual Meeting, Pittsburgh, PA, March 2000.

Panel Member. Geography and Public Policy. Association of American Geographers Annual Meeting, Boston, MA, March 1998.

Panel Member. Political Geography Approaches to Human Dimensions of Global Change. Association of American Geographers Annual Meeting, Ft. Worth, TX, March 1997.

Panel Member. Disasters and megacities: Assessing the connections. Association of American Geographers Annual Meeting, Ft. Worth, TX, March 1997.

Panel Member. The Institutional Politics of Sustainability: Regional Planning, Ecosystem Management and Citizen Activism I&II (two sessions). Association of American Geographers Annual Meeting, Charlotte, NC, April 1996.

Panel Member. Teaching Environmental Hazards: Implications of Recent Research. Association of American Geographers Annual Meeting, Charlotte, NC, April 1996.

Discussant. Parks in the Urban Landscape. Association of American Geographers Annual Meeting, Charlotte, NC, April 1996.

### ***Invited Speaker***

#### **2006**

- The Science of Climate Change, College Now Summer Program, Queens College, August.
- Impacts of Climate Change on Coastal New York, College Now Summer Program, Kingsborough Community College.
- Climate Change and Metropolitan New York, Governors Island, CUNY Summer Science Seminar Series, July.

## **2005**

- The CUNY Institute for Sustainable Cities, Fifth Annual Nature, Ecology and Society Colloquium, Our Ecological Footprint - CUNY and Beyond, March.
- Climate change in the New York Metropolitan Region, Nature of New York City course, Hunter College, Carriage House, December.
- Land use change and urban spatial development. Population and Land course, Columbia University, October.

## **2004**

- Global Environmental Change and Cities. Workshop on Urban Environmental Change, Arizona State University, Phoenix, December.
- Land use modeling and environmental change. Hunter College, Department of Geography, October.

## **2003**

- Environmental change within the urban context. Hunter College, Department of Geography, February.

## **2002**

- Global climate change and the Urban Heat Island Effect. Greening Gotham's Rooftops, The Carriage House Center on Global Issues. EarthPledge Green Roofs Initiative. November.
- Impact of climate change on New York City. Testimony to the City of New York City Council. September. With Cynthia Rosenzweig.
- Biodiversity and the City. State of the Planet Conference, Columbia University, May. With Cynthia Rosenzweig.
- Climate Change Impacts in the New York Metropolitan Region. The International Human Dimensions Programme on Global Environmental Change, Urbanisation and the Transition to Sustainability Workshop, Bonn, May.
- Urban environmental change and the role of regional management strategies. Department of Geography. University of Massachusetts, Amherst, MA, March.
- The Role of Land Use Change in Understanding the New York Metropolitan Region. Columbia University Seminar 495b: Legal, Economic, Social Environmental Issues. New York, NY, January.

## **2001**

- Understanding climate impacts in the New York metropolitan region. Global Learning Workshop. Jersey City, NJ, December.
- Climate Change and New York City. New York State Attorney General's Office, New York, NY, November.
- Potential impacts of climate change on the New York metropolitan. Department of Geography, East China Normal University, Shanghai, China, July.
- Climate change and urban environmental impacts. Deadly Urban Air: New York City Conservation Challenge Lecture Series, June.
- Lessons from the environment in major urban centers. Faculty in a Global Context. University Day, Presidential Invited Faculty Address. Montclair State University, March.

## **2000**

- Commenting on the impacts of potential climate change on New Jersey. New Jersey Higher Education Sustainability project, PSEG Research Facility, December, Edison, NJ.
- The Metropolitan East Coast Assessment, US Environmental Protection Agency, Region II, Panel on Climate Change, September, New York, NY.
- The impacts of potential climate change in the New York metropolitan region. Department of Political Science, Economics, and Philosophy. College of Staten Island, CUNY, May, Staten Island, NY.
- Potential climate change in New York City and comparisons to Shanghai, China. Department of Geography, East China Normal University, August, Shanghai, China.
- MetroEast Coast Regional Assessment. US Environmental Protection Agency, Region II, Climate Change and Insurance Industry Roundtable Meeting, March, New York, NY.
- As Co-Leader of the MetroEast Coast Climate Change Assessment Project, presentations were made at the following: CT Department of Environmental Protection, NJ Department of Environmental Protection, NJ Business Association, NYC Department of Health, US Army Corps of Engineers, Region II, U.S. Federal Emergency Management Agency, Region II.

## **1999**

- Studying land use change in South Florida. Invited presentation for College of Urban Sciences and Tourism, Shanghai Teachers University, Shanghai, China.

## **1998**

- Environmental Change in South Florida. Department of Geography, Rutgers University Colloquium Series, January, New Brunswick, NJ.

## **1996**

- Askew School of Public Administration, Florida State University. The emergence of the environmental agenda, February

## **Selected Conference Sessions Organized**

Organizer, Urban Dimensions of Climate Change and Public Health, 5<sup>th</sup> Open Meeting of the Human Dimensions of Global Environmental Change Research Community, Montreal, Canada. 2003.

Co-organizer, Climate Change and Global Cities, 4<sup>th</sup> Open Meeting of the Human Dimensions of Global Environmental Change Research Community, Rio de Janeiro, Brazil. 2001

Co-organizer, Human-Environment and Environmental Geographies: Seeking Common Ground, 4 Separate Sessions, Annual Meeting of the Association of American Geographers, New York, NY. 2001.

Co-organizer, Urban Environmental Initiatives, Annual Meeting of the Association of American Geographers, New York, NY. 2001.

Organizer, Plenary Session of the Human Dimensions of Global Environmental Change, Annual Meeting of the Association of American Geographers, New York, NY. 2001.



Organizer, Impacts of Potential Climate Change on the New York Metropolitan Coastal Zone, Annual Meeting of the Association of American Geographers, New York, NY. 2001.

Organizer, Results from the U.S. National Assessment of Potential Climate Change Impacts, Annual Meeting of the Association of American Geographers, Pittsburgh, PA. 2000.

Co-organizer, Cities and Communities. U.S. National Assessment of Potential Climate Change Impact Workshop, Atlanta. 1999.

Co-organizer, Geography and Geographers in Interdisciplinary Academic Departments. Association of American Geographers Annual Meeting, Boston. 1998.

Co-organizer, Environmental Policy and Scale. Association of American Geographers Annual Meeting, Boston, MA. 1998.

Co-organizer, Environmental Conservation and Ecosystem Management. Association of American Geographers Annual Meeting, Boston, MA. 1998.

Co-organizer, Hazards Geography Research: 1978-1998. Association of American Geographers Annual Meeting, Boston, MA. 1998.

Co-organizer, Disasters and Mega-cities: Assessing the connections. Association of American Geographers Annual Meeting, Ft. Worth, TX. 1997.

Co-organizer, The Linkages between Sustainability and Vulnerability. Association of American Geographers Annual Meeting, Ft. Worth, TX. 1997.

Co-organizer, Analysis of Landscape Dynamics. Association of American Geographers Annual Meeting, Ft. Worth, TX. 1997.

Co-organizer, The Institutional Politics of Sustainability: Regional Planning, Ecosystem Management and Citizen Activism (I & II - two sessions). Association of American Geographers Annual Meeting, Charlotte, NC. 1996.

Co-organizer, The Role of the American South in the U.S. in the 1990s: Cradle, Crucible, or Colony? Association of American Geographers Annual Meeting, Charlotte, NC, April.

Co-organizer, Teaching Environmental Hazards: Implications of Recent Research. Association of American Geographers Annual Meeting, Charlotte, NC. 1996.

Organizer, Linking Local and Expert Knowledge: A Necessary Step for Hazards Mitigation and Vulnerability Reduction. Association of American Geographers, Annual Meeting, Chicago, IL. 1995.

Co-organizer, Organizational Perspectives on Risk Management. Society for Risk Analysis, Baltimore, MD, December. 1994.

Co-organizer, Geographical Dimensions of Risk Analysis and Management: Emerging Research Perspectives. Society for Risk Analysis, Baltimore, MD, December. 1994.

Co-organizer, Rural Restructuring and Sustainability in Protected Areas. Association of American Geographers, Annual Meeting, Atlanta, GA. 1993.

Co-organizer, Jobs, Equity and Environmental Justice. Association of American Geographers, Annual Meeting, Atlanta, GA. 1993.

Co-organizer, Environmentalism and Rural America. Association of American Geographers, Annual Meeting, San Diego, CA. 1992.

Co-organizer, Mismatches and Hazards Policy. Association of American Geographers, Annual Meeting, Baltimore, MD. 1989.

## Conferences/Workshops Organized

- 2004 Co-organizer, First International Conference on the Urban Dimensions of Environmental Change: Science, Exposures, Policies, and Technologies. Shanghai, China. May.
- 2002 Co-organizer, New York as a Biosphere Reserve Roundtable, New York, NY, November.  
Co-organizer, Metropolitan East Assessment of the Impact of Potential Climate Change Release Luncheon, New York, NY, March.
- 2001 Co-organizer, Biodiversity and Society – A case study of the New York Metropolitan Region Workshop, New York, NY, April.  
Organizer, Climate Variability and Change in Cities: Interconnections and Critical Research Needs Workshop, New York, NY. February.
- 2000 Co-organizer, Climate Change and a Global City: The Impacts of Potential Climate Variability and Change on the New York Metropolitan Region. New York, NY. June.
- 1997 Organizer, Population, Land Use and Consumption: Data Problems and Solutions Through the Use of Geographic Information Systems and Comparative Analyses. Workshop part of the Tri-Academy (U.S. National Academy of Sciences) project, Tallahassee, FL. October.
- 1996 Organizer, New Methods for Hazards Research in Geography. Hazards Specialty Group of the AAG Conference, Charleston, SC. April.
- 1989 Co-organizer, Geography Graduate Student Conference. Rutgers Association of Geography Students, New Brunswick, NJ. February.
- 1987 Co-organizer, Megalopolis: 25 Years After. East coast geography student conference. Rutgers Association of Geography Students, New Brunswick, NJ. February.
- 1986 Co-organizer, Ad Hoc Nuclear War Studies Group Workshop. Association of American Geographers, Annual Meeting, Minneapolis, MN. April.

## Funded Research Grants

- PSC CUNY 2006-2007, \$3,000, Title: Consumption Landscapes in Metropolitan America. Solecki is the P.I.
- New York State Energy Research and Development Authority (NYSERDA), \$85,000, Title: Mitigating New York City's Heat Island with Urban Forestry, Living Roofs, and Light Surfaces. Solecki is the co-P.I.
- CUNY PEER Award Program, \$30,000, Title: The Urban Heat Island in New York City. 2004-2005. Solecki is a co-P.I.
- PSU CUNY 2003-2005, \$3,000, Title: Land Use Change and Urban Spatial Development: Comparative Analysis of Metropolitan New York and Shanghai. Solecki is the P.I.

- NASA, 2005-2006, \$20,000, Title: Reason Can – NASA EOPS Higher Education Alliance: Mobilization of NASA EOS Data and Information through Webservices. Solecki is a co-PI.
- New York City, Department of Environmental Protection, 2003-2004, \$50,000. Title: Climate Impact Assessment of Environmental Infrastructure Systems. Solecki is co-P.I.
- U.S. National Science Foundation, Geography and Regional Science Program, 2003-2004, \$35,000. Title: Title: An International Conference on the Urban Dimensions of Environmental Change: Science, Exposures, Policies, and Technologies Solecki is the P.I.
- National Oceanic and Atmospheric Administration, 2002-05, \$300,570. Title: Climate Change Information for Urban Policy and Decision Making. Solecki is a co-P.I. Solecki sub-contract is \$28,000.
- U.S. Dept. of Housing and Urban Development. 2001-2004, \$399,654. Title: Montclair, New Jersey Community Outreach Partnership Center. Solecki is a project member. Solecki sub-contract is \$30,900.
- Montclair State University, Separately Budgeted Research Program, 2002. \$1,500. Title: The Built Environment, Energy Demand and Greenhouse Gas Production: Case Study of the Newark, NJ Region. Solecki is the P.I.
- N.J. Department of Environmental Protection. 2001-2002, \$20,000. Urban Heat Island and Climate Change in the Greater Camden, NJ Region. Solecki is the P.I.
- U.S. Environmental Protection Agency. STAR Program, 2000-2003, \$1.5 million. Title: Modeling Heat and Air Quality Impacts of Changing Urban Land Uses and Climate. Solecki is a co-P.I. Solecki sub-contract is \$189,000.
- Montclair State University, Global Education Grant. 2000. \$2,300. Title: The Impact of Globalization on Metropolitan Land Use: A Comparative Study of New York, USA, and A Shanghai, China.
- U.S. Environmental Protection Agency, 2000. \$40,000. Title: Climate Change and the Urban Heat Island Effect. Solecki is the co-P.I.
- Montclair State University, Separately Budgeted Research Program, 2000. \$3,000. Title: Impact of Potential Climate Change on the Hackensack Meadowlands. Solecki is the P.I.
- Montclair State University, Sokol Faculty/Student Research Program, 2000. \$2,000. Title: Impact of Potential Climate Change on the Hackensack Meadowlands. Solecki is the P.I.
- Montclair State University, Global Education Grant. 1999. \$3,000. Title: A Comparative Case Study of Land Use/Land Cover Change in Northern New Jersey, Southern Florida, and Northern China. Solecki is the P.I.
- U.S. National Science Foundation, 1999. \$425,000. Title: Climate Change and a Global City: An Assessment of the Metropolitan East Coast Region. Solecki is the P.I. with Cynthia Rosenzweig, NASA/GISS. Funds housed at Columbia University. Additional funding of \$100,000 coming from the Columbia Earth Institute, Columbia University.

- Montclair State University, 1999. \$1,000. Title: The Role of Contextual Factors in Driving Recent Land Use/Land Cover Change in Northern New Jersey. Solecki is the P.I.
- U.S. National Science Foundation, 1998. \$20,000. Title: Potential Climate Change Impacts for the Greater New York Metropolitan Area Assessment. Solecki is the P.I. Subcontract with Columbia University.
- Montclair State University, Global Education Center, 1998. \$2,296 Title: Human Dimensions of Global Environmental Change. Solecki is the P.I.
- Montclair State University, Global Education Center, 1997. \$1,250. Title: Curriculum on Environmental Management in Mega-Cities. Solecki is the P.I.
- Montclair State University, Technology Grant. 1998. \$1,150. Title: Development of remotely sensed data for Northern New Jersey. Solecki is the co-P.I.
- Montclair State University, Alumni Association Faculty Grants. 1998. \$1,500. Title: Land Use/Land Cover Change in the Passaic-Hackensack River Watershed of Northern New Jersey. Money to go to graduate student salary. Solecki is the P.I.
- Montclair State University, Separately Budgeted Research Grants. 1998. \$2,400. Title: Land Use/Land Cover Change in the Passaic-Hackensack River Watershed of Northern New Jersey.
- U.S. National Science Foundation/Instrumentation and Laboratory Improvement Program, 1998. \$71,500. Title: An Expansion of Geographic Information Technologies in the Undergraduate Curriculum in the Department of Earth & Environmental Studies at Montclair State University. Solecki is the P.I.
- U.S. National Academy of Sciences/MacArthur Foundation, 1997. \$6,500. Title: The Interaction Between Population Growth and Land Use Change - Tri-Academy Data Study. Solecki is the P.I.
- U.S. National Academy of Sciences/MacArthur Foundation, 1996-7. \$25,000. Title: The Interaction Between Population Growth and Land Use Change - The South Florida Component. Second year funding. Solecki is the co-P.I. Additional funding for the project will come from a National Institutes of Health expenditure (approximately \$50,000).
- Florida Department of Environmental Protection, 1996-8. \$93,000. Title: Petroleum Contamination Site Scoring as Comparative Risk Assessment. Solecki is the P.I.
- U.S. National Academy of Sciences/MacArthur Foundation, 1995-6. \$30,000. Title: The Interaction Between Population Growth and Land Use Change - The South Florida Component. Solecki is the co-P.I.
- Florida State University, Committee on Faculty Research Support, Summer 1994. \$6,971. Title: Ecological Sustainability Planning and Dynamic Social Systems in Biosphere Reserve Regions. Solecki was the P.I.
- U.S. Man and the Biosphere/U.S. Department of State. 1993-1996. \$71,000. Title: Ecological Sustainability and Human Institutions: Case Studies of Three Biosphere Program - Phase II. Solecki was the sub-contract co-P.I.

- U.S. Man and the Biosphere/U.S. Department of State. 1991-1993. \$40,000. Title: Ecological Sustainability and Human Institutions: Case Studies of Three Biosphere Program - Phase I. Solecki was the sub-contract P.I. Phase I.
- New Jersey Department of Environmental Protection, 1989. \$50,000. Title: State litter survey and geographical analysis. Solecki was a Project Manager.
- National Geographic Society, 1988-90. \$40,000. Title: Toxic Risksapes: The Geography of Acute Airborne Releases. Solecki was a Research Assistant.
- New Jersey Dept. of Higher Education, 1986-87. \$16,050. Fostering Global Thinking: A Model Instructional Program. Solecki was Project Team Member.
- New Jersey Institute of Technology, 1986-87, \$10,000. Title: Assessing Population Vulnerability and risk from acute toxic releases. Solecki was the Research Assistant.

### **Honor/Awards**

- Committee membership on NSC National Academies (NRC), Member of Scientific Committee on Problems of the Environment (SCOPE), 2005-2007.
- Executive committee membership on the International Geographical Union Mega-cities Task Force Executive Committee, Summer 2005.
- Scientific Steering Committee on the International Human Dimensions Programme Urbanization and Global Environmental Change Project, Summer 2005.
- Committee membership on the International Human Dimensions Programme, Urban Dimensions Task Group, Spring 2003.
- Committee membership on the International Human Dimensions Programme, LOICZ-IHDP Task Group, Fall 2002.
- Committee membership on the International Geographical Union - Megacity Taskforce, Summer 2002.
- Inducted into *Phi Kappa Phi* International Honor Society, Spring 2002.
- Committee membership on the UNESCO-MAB, Urban Biosphere Reserve Committee, Fall 2001.
- Committee membership of the U.S. National Academy of Sciences, U.S. National Committee on the Scientific Committee on Problems of the Environment (SCOPE). Fall 2000.
- One of a limited number of scholars provided with supplemental funds to attend to the International Geographical Union meeting in Seoul, South Korea. \$1,000 provided by the U.S. National Science Foundation via the Association of American Geographers.
- One of 15 scholars invited to participate in a workshop on Climate Change and Cities at the Global Change Institute, Aspen CO, July, 1999.
- Committee Membership of the U.S. National Academy of Sciences research panel, Population and Land Use Project. Summer 1998.

- President's Travel Grant, Florida State University, Spring 1997.
- Association of American Geography, Special Conference Funds Program - Innovation of non-Geography scholars to the 1997 annual meeting of Association of American Geography, Fall 1996.
- President's Travel Grant, Florida State University, Spring 1996.
- Association of American Geography, Special Conference Funds Program - Innovation of non-Geography scholars to the 1996 annual meeting of Association of American Geography, Fall 1995.
- Florida State University Teaching Incentive Program, Winner, Fall 1995.
- Florida State University Teaching Award, Nominated, Spring 1995.
- President's Travel Grant, Florida State University, Spring 1994.
- Florida State University Teaching Award, Nominated, Spring 1993.
- President's Travel Grant, Florida State University, Spring 1992.
- J. Warren Nystrom Dissertation Award Finalist, Association of the American Geographers, 1992.
- Council on Research and Creativity, Florida State University, Summer Salary Award, 1992.
- Natural Hazards Center - University of Colorado, Quick Response Program, proposal nominated to received funding, 1991.
- Rutgers University, Dean's Dissertation Grant 1988, 1989.
- Rural Policy Dissertation Fellowship Finalist, Woodrow Wilson National Fellowship Foundation, 1989.
- Student Essay Award on the future of Geography, Co-Winner, Metropolitan State College, Denver, Colorado, 1986.
- Arthur Rose Teaching Assistantship Award, Columbia University, 1983.

## **Professional Service**

### ***Positions***

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|----------|---|
| 2006-    | Board member, Nature Network.   |
| 2001-04  | Editorial board member, <i>Professional Geographer</i> .<br>Co-Editor, Special issue of the journal of <i>Ecological Economics</i> .  |
| 2000     | Conference Coordinator, Hazards Specialty Group of the Association of American Geographers.   |
| American | Editor, special issue of the journal <i>Environmental Hazards</i> .<br>Chair, Human Dimensions of Global Change Specialty Group of the Association of American Geographers. |

- Develop and implement a teaching module of the Climate Change and the Global City at Columbia University (Science and Policy course), Columbia University Biosphere II program, and Montclair State University.
- 1998 Served on the National Science Foundation, Water and Watershed Program, proposal review panel  
Served on the National Science Foundation, Urban Research Initiative Program, proposal review panel  
Editorial board member, *Urban Ecosystems*.  
Editorial board member, *Social Science Quarterly*.
- 1998-2000 Director (1 of 3), Global Environmental Change Specialty Group of the Association of American Geographers.
- 1997- Committee Member, Annual Student Paper Award, Human Dimensions of Global Environmental Change Specialty Group of the Association of American Geographers.
- 1995-8 Director (1 of 3), Hazards Specialty Group of the Association of American Geographers.
- 1994-1997 Committee Member, Annual Student Paper Award, Hazards Specialty Group of the Association of American Geographers.
- 1991-1995 Editor, *Hazards, Newsletter of the Hazards Specialty Group of the Association of American Geographers*.
- 1993 Best Student Paper Committee Member, Contemporary Agriculture and Rural Land Use Specialty Group, Association of American Geographers.

### **Reviewer**

#### *Manuscripts*

Annals of the Association of American Geographers; Climate Research; Environmental Hazards; Environmental Management; Geoforum; Growth and Change; Journal of Environmental Management; Journal of Geography; Professional Geographer; Risk: Health, Safety & Environment; Social Science Quarterly; Urban Ecosystems; Urban Geography

#### *Proposals*

Intergovernmental Panel on Climate Change, 2000-Settlement and Energy Section Review; National Science Foundation - Geography and Regional Science Program; National Science Foundation - Dissertation Grant Program; National Oceanographic and Atmospheric Administration, Human Dimensions of Global Change Research Program; National Geographic Society.

### **Community Service**

- 2004 Lecture on climate change at Jefferson School, Maplewood, NJ
- 2002 Lecture on global climate change to local elementary students in East Orange Schools.
- 2001 Lectures on global climate change at local New Jersey high schools, CETERMS project, Montclair State University.
- 1999 Member of advisory board for Institute for Community Studies, Montclair State

- University.  
Member of advisory board for Bergen Swan (Save the Watershed Action Network) a Bergen County/Upper Hackensack River Environmental Organization.
- 1999-2000 Provide geographic material for the Newark Museum Educational Activities; Member of research advisory committee for the Great Swamp U.S. National Wildlife Refuge.
- 1998 Invited Speaker, Marshall School, South Orange-Maplewood School District.
- 1994-6 Member, North Florida Regional Planning Council, Local Emergency Planning Council.
- 1991 Invited Speaker, Media, PA, Cartography workshop, Traveler's Bookshop. Contest Judge, 2<sup>nd</sup> Annual Chester County Geography Challenge, Chester County, PA.
- 1988 Invited Speaker, Franklin Township, NJ, Rutgers Preparatory School. "Geographic research on technological hazards." National Geography Awareness Week.
- 1987 Invited Speaker, Lakewood, NJ, Lakewood High school. "Geographic research on nuclear war and peace." National Geography Awareness Week.

### **University/College Service**

- 2006- Fellowship Leave Committee, Hunter College
- 2003-2006 Faculty Senate, Hunter College
- 2003 Interim Director, Environmental Management Doctoral Program
- 2002 Marshall, Graduation, Montclair State University.  
Welcome Day, Incoming Students to Montclair State University, College of Science and Mathematics. Department representative.
- 2001 Environmental Management, Doctoral Proposal Development Committee, Principal faculty member.  
ArcView Demonstration, Science and Math Users Group Committee, College of Science and Mathematics, Montclair State University.  
CSAM, Center for Scientific Computing and Visualization, Committee Member. College of Science and Mathematics, Montclair State University, Curriculum Committee.
- 1999- Graduate Council, Graduate Program Representative.  
Graduate School Open House, Department of Earth and Environmental Studies, representative.
- 1998-2001 Science and Math Users Group Committee, College of Science and Mathematics, Montclair State University.
- 1994-1996 Environmental Sciences Interest Group Member, Florida State University.
- 1994-1996 Interdisciplinary Social Sciences Program Committee, College of Social Sciences, Florida State University (also member of the Ad Hoc Committee on Certificate in Executive Management).
- 1993-1994 Environmental Studies Committee Member, Florida State University.
- 1993-1994 Senator, Faculty Senate, Florida State University.
- 1992-1994 Marshall, Graduation, Florida State University.



## **Department Service**

- 2006- Chair of search committee for new department chair.
- 2003-2005 Organized and chaired department laboratory committee.
- 2003-2004 Helped re-structure the environmental studies major
- 2001 Developed the proposal for the Environmental Modeling Laboratory.  
Set up the Center for Environmental Management Analysis, EES lecture series in Spring.  
Set up the Geography Awareness Week lectures in the department.
- 2000- Department representative for CSAM, Graduate School Open House.
- 1999- Computer Committee, Department of Earth and Environmental Studies, Montclair State University.  
Doctoral Program Planning Committee, Department of Earth and Environmental Studies, Montclair State University.  
Budget and Purchasing Committee, Department of Earth and Environmental Studies, Montclair State University.  
Geographic Information Systems Committee, Department of Earth and Environmental Studies, Montclair State University.
- 1996-1997 Graduate Admissions Coordinator, Department of Geography, Florida State University.
- 1996-1997 Environmental Studies Program Major Advisor, Department of Geography, Florida State University.
- 1996-1997 Curriculum Committee Member, Department of Geography, Florida State University.
- 1995-1996 Environmental Geography Certificate and Physical Geography Certificate Coordinator, Department of Geography, Florida State University.
- 1995-1996 Environmental Studies Major Development Committee (Chair), Department of Geography, Florida State University.
- 1993-1997 Graduate Program Committee Member, Department of Geography, Florida State University.
- 1993-1997 Machinery Committee Member, Department of Geography, Florida State University.
- 1993-1996 Executive Committee Member, Department of Geography, Florida State University.
- 1993-1994 Chair Search Committee Member, Department of Geography, Florida State University.
- 1991-1996 Faculty Advisor, Geography Student Association, Florida State University.
- 1991-1996 Faculty Advisor, Gamma Theta Upsilon, International Geographical Honor Society, Florida State University Chapter.
- 1990-1991 Faculty Advisor, Geography Club, West Chester University.

## **Selected Other Service**

Department representative for MSU Freshman Welcome Day, Earth Day activities, World's Fair, GIS Lab Open House, helping develop a GIS certificate program, and graduate-level, Environmental Geography concentration. Also faculty mentor for Sigma Xi Student Research Conference presenter.

## **Courses Taught**

Conservation of Natural Resources - undergraduate  
Environmental Hazards – undergraduate and graduate  
Environmental Problems/Environmental Science - undergraduate  
Field Methods in Geography (team taught) - undergraduate  
Geographic Information Systems – undergraduate and graduate  
Geographic Research Design - graduate  
Human Dimensions of Global Environmental Change - graduate  
Human Geography - undergraduate  
Introduction to Geographic Research Methods – graduate  
Introduction to Physical Geography Laboratory - undergraduate  
Land Use and Urban Spatial Development – graduate  
Natural Resources and Environmental Policy - undergraduate  
Natural Resources Assessment and Analysis - graduate  
Nature and Environment of New York City – CUNY Honors College - undergraduate  
Nature and Environment of New York City – undergraduate and graduate  
Peopling of New York – CUNY Honors College - undergraduate  
Population and Land Use - undergraduate  
Research Methods - undergraduate  
Research Project in Environmental Studies - undergraduate  
Seminar in Environmental Management - graduate  
Urban Dimensions of Global Environmental Change – undergraduate and graduate  
Water Resources Management - graduate  
World Regional Geography - undergraduate

## **Interviews Granted**

*Asbury Park Press, Bergen Record, EOS, Home News Tribune, MSU Insight, New York Times, Newark Star-Ledger, Philadelphia Inquirer, Science News, Treasury and Risk Management magazine, Washington Post, and WCSB-TV National, WB11 and NY1 television stations. Also appeared in 1999 Montclair State University President's Report.*

## **Graduate Student Advisement**

### ***Ph.D. Dissertation Advisor***

Currently serving as dissertation advisor for four Earth and Environmental Science Program students.

### ***Master's Thesis Advisor***

Currently serving as thesis advisor for two Department of Geography students.

## **Completed:**

Sirrup, L. 2005. Hazards Vulnerability in New York City. Department of Geography, Hunter College.

Kawada, M. 2002. The Impact of Interstate Highway on Development in Central New Jersey:

Case Study of the I-78 Corridor. Department of Earth and Environmental Studies, Montclair State University.

Li, Z. 1997. Assessment of Land Use/Land Cover Change in Collier County, Florida. Department of Geography, Florida State University.

Parsons, A.E. 1996. An Analysis of Factors that Influence Recycling Program Diversity and Recycling Program Success in Florida. Department of Geography, Florida State University.

Wilkes, E.A. 1995. Location of Residence as a Predictor of Spatial Variation in Public Concern for Environmental Protection in Florida. Department of Geography, Florida State University.

Campbell, M.H. 1994. An Information Processing Approach to Assessment of Preference for Urban Waterscapes. Department of Geography, Florida State University.

Hartsfield, L. 1994. Why Didn't They Work: An Analysis of Non-Compliance with Local Environmental Regulations. Department of Geography, Florida State University.

### **Other Student Advisement/Activities**

Has served/is serving on approximately a dozen doctoral dissertation committees and two-plus dozen masters thesis committees and three dozen Directed Independent Study Advisor/Senior Thesis Mentor from 1991 to present.

### ***Course Development***

Consultant on the development of two courses at Columbia University – *Global Land Use and Sustainability* and *Land and Life*.

Develop and implement a teaching module of the Climate Change and the Global City at Columbia University (*Science and Policy* course), Columbia University Biosphere2 program, and Montclair State University.

### **Professional Associations**

Association of American Geographers  
Metropolitan Forest Council  
National Council on Geographic Education

### **Biographical Information**

Date of Birth: August 15, 1962

Place of Birth: New York, NY

Citizenship: U.S.A.

Marital Status: separated, 2 children