

## SHARON L. HARLAN

### Curriculum Vitae

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Department of Health Sciences and Department of Sociology & Anthropology

Northeastern University

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Boston, Massachusetts 02115

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### CURRENT APPOINTMENTS

Northeastern University

Professor and Chair, Department of Health Sciences

Professor, Department of Sociology and Anthropology

Core Faculty, Social Science Environmental Health Research Institute

Arizona State University

Adjunct Faculty, School of Geographical Sciences and Urban Planning

Senior Sustainability Fellow, Global Institute of Sustainability

### AREAS OF SPECIALIZATION

Environmental Sociology

Environmental Health

Sociology of Work and Organizations

Survey Research

### PREVIOUS POSITIONS

Professor, Department of Health Sciences and Department of Sociology and Anthropology, Northeastern University, 2016-present; Interim Chair Department of Health Sciences (2018-2019)

Professor (Associate, Full), School of Human Evolution & Social Change, Arizona State University (ASU), 2006-2015

Associate Professor, Department of Sociology, ASU, 1998-2005

Research Associate Professor, Department of Health Policy and Management, School of Public Health, State University of New York (SUNY) Albany, 1995-1997

Director of Research, Center for Women in Government, Rockefeller College of Public Affairs and Policy, SUNY Albany, 1989-1995

Research Coordinator, Medicaid Reform Research and Demonstration Project, New York State Office of Mental Retardation and Developmental Disabilities, 1988-1989

Research Associate, Center for Social and Demographic Analysis, SUNY Albany, 1984-1988

Research Associate, Center for Research on Women, Wellesley College, 1979-1984

### EDUCATION

Ph.D. Cornell University, Sociology, 1979

M.A. Cornell University, Sociology, 1976

B.A. Northeastern University, Sociology, 1972 (summa cum laude)

### PUBLICATIONS

**Peer-Reviewed Journal Articles** (\*student co-author)

\*Wright, M.K., D.M. Hondula, \*P.M. Chakalian, \*L.C. Kurtz, \*L. Watkins, C.J. Gronlund, L. Larsen, \*E. Mallen, S.L. Harlan (2020) "Social and Behavioral Determinants of Indoor Temperatures in Air-Conditioned Homes." *Building and Environment* (180): 107187.

- Harlan, S.L., \*M.J. Sarango, E.A. Mack, \*T.A. Stephens (2019) "A Survey-Based Assessment of Perceived Flood Risk in Urban Areas of the United States." *Anthropocene* 28: 100217.
- \*White, J., E.A., Mack, S.L. Harlan, E.S. Krayenhoff, M. Georgescu, \*K. Redican (2019) "Regional Multivariate Indices of Water Use Potential for the Continental United States." *Sustainability* 11: 2292.
- Hondula, D.M., J.L. Sabo, R. Quay, M. Chester, M. Georgescu, N.B. Grimm, S.L. Harlan, A. Middel, S. Porter, C.L. Redman, B. Rittman, B.L. Ruddell, and D.D. White (2019) "Cities of the Southwest Are Testbeds for Urban Resilience." *Frontiers in Ecology and the Environment* 17(2): 79-80.
- Smith, V.K., S.L. Harlan, M. McLaen, \*J. Fishman, \*C. Valcarcel, M.L. Nation (2017) "Does Reputation Enhance Response Rates?" *Applied Economic Letters* 24:17: 1228-1231.
- York, A.M., K. Kane, C.M. Clark, L.E. Gentile, A. Wutich, S.L. Harlan (2017) "What Determines Public Support for Graduated Development Impact Fees?" *State and Local Government Review* 49(1): 15-26.
- Smith, V.K., S.L. Harlan, M. McLaen, \*J. Fishman, \*C. Valcarcel, M.L. Nation (2016) "Using Household Surveys to Implement Field Experiments: The Willingness to Donate to Foodbanks." *Applied Economic Letters* 23:13: 969-972.
- Smith, M.E., B.L. Stark, \*W. Chuang, \*T.J. Dennehy, S.L. Harlan, \*A. Kamp-Whittaker, B.W. Stanley, A.M. York (2016) "Comparative Methods for Premodern Cities: Coding for Governance and Class Mobility." *Cross Cultural Research* 50(5): 415-451.
- Recipient of the 2016 Outstanding Article Award from the US Regional Association of the International Association of Landscape Ecology*
- Jenerette, G.D., S.L. Harlan, A. Buyantuev, W.L. Stefanov, J. Delet-Barreto, B.L. Ruddell, S.W. Myint, S. Kaplan, X. Li (2016) "Micro Scale Urban Surface Temperatures Are Related to Land Cover Features and Residential Heat-Related Health Impacts in Phoenix, AZ USA." *Landscape Ecology* 31: 745-760.
- Petitti, D.B., D. Hondula, \*S. Yang, S.L. Harlan, and G. Chowell (2016) "Multiple Trigger Points for Quantifying Heat-Health Impacts: New Evidence from a Hot Climate." *Environmental Health Perspectives* 124(2): 176-183.
- Li, X., W. Li, A. Middel, S.L. Harlan, A.J. Brazel, B.L. Turner II (2016) "Remote Sensing of the Surface Urban Heat Island and Land Architecture in Phoenix, Arizona: Combined Effects of Land Composition and Configuration and Cadastral-Demographic-Economic Factors." *Remote Sensing of Environment* 174: 233-243.
- Harlan, S.L., G. Chowell, \*S. Yang, \*E. Morales, D.B. Petitti, B.L. Ruddell, D.M. Ruddell (2014) "Heat-Related Deaths in Hot Cities: Estimating Human Tolerance to High Temperatures." *International Journal of Environmental Research and Public Health* 11(3): 3304-3326.
- Grossman-Clarke, S., S. Schubert, T.R. Clarke, S.L. Harlan (2014) "Extreme Summer Heat in Phoenix, Arizona (U.S.A.) under Global Climate Change." (2041-2070)." *DIE ERDE* 145 (1-2): 105-117.

- \*Ouyang, Y., E. Wentz, B. Ruddell, and S.L. Harlan (2014) "A Multi-Scale Analysis of the Relationship of Single-Family Water Use with Its Determinants in the Phoenix Metropolitan Area." *Journal of the American Water Resources Association*. 50(2):448-467.
- \*Declet-Barreto, J.H, A.J. Brazel, W. Chow, C.A. Martin, and S.L. Harlan (2013) "Creating the Park Cool Island in an Inner-City Neighborhood: Heat Mitigation Strategy for Phoenix, Arizona." *Urban Ecosystems* 16 (3):617-635.
- Harlan, S.L., \*J.H. Declet-Barreto, W.L. Stefanov, and D.B. Petitti (2013) "Neighborhood Effects on Heat Deaths: Social and Environmental Predictors of Vulnerability in Maricopa County, Arizona." *Environmental Health Perspectives* 121 (2):197-204.
- Petitti, D.B., S.L. Harlan, G. Chowell-Puente, D. Ruddell (2013) "Occupation and Environmental Heat-Associated Deaths in Maricopa County, Arizona: A Case-Control Study." *PLOS ONE* 8(5): e62596.
- \*Ruddell, D.M, S.L. Harlan, S. Grossman-Clarke, and G. Chowell (2012) "Scales of Perception: Public Awareness of Regional and Neighborhood Climates." *Climatic Change* 111 (3-4):581-607.
- Jenerette, G.D., S.L. Harlan, W.L. Stefanov, and C.A. Martin (2011) "Ecosystem Services and Urban Heat Riskcape Moderation: Water, Green Spaces, and Social Inequality in Phoenix, USA." *Ecological Applications* 21(7):2637-2651.
- Harlan, S.L. and \*D.M. Ruddell (2011) "Climate Change and Health in Cities: Impacts of Heat and Air Pollution and Potential Co-Benefits from Mitigation and Adaptation." *Current Opinion in Environmental Sustainability* 3:126-134.
- Larson, K.L., A. Wutich, D. White, \*T.A. Muñoz-Erickson, and S.L. Harlan (2011) "Cultural Perspectives on Water Risks and Policies in a Southwestern City." *Human Ecology Review* 18 (1):75-87.
- \*Bleasdale, T., \*C. Crouch, and S.L. Harlan (2011) "Community Gardening in Disadvantaged Neighborhoods in Phoenix, Arizona: Aligning Programs with Perceptions." *Journal of Agriculture, Food Systems, and Community Development*. doi:10.5304/jafscd.2011.013.007
- Collins, S.L., S.R. Carpenter, S.M. Swinton, D. Ornstein, D.L. Childers, T.L. Gragson, N.B. Grimm, J.M. Grove, S.L. Harlan, A.K. Knapp, G.P. Kofinas, J.J. Magnuson, W.H. McDowell, J.M. Melack, L.A. Ogden, G.P. Robertson, M.D. Smith, and A.C. Whitmer (2011) "An Integrated Framework for Socio-Ecological Research." *Frontiers in Ecology and the Environment* 9(6):351-357.
- York, A., M.E. Smith, \*B. Stanley, B. Stark, \*J. Novic, S.L. Harlan, G. Cowgill, and C.G. Boone (2011) "Ethnic and Class-Based Clustering through the Ages: A Transdisciplinary Approach to Urban Social Patterns. *Urban Studies* 48 (11):2399-2415.  
Republished (2016) in Geoffrey Meen (ed.) Spatial Housing Economics: A Survey, *Urban Studies Virtual Special Issue*.  
[http://usj.sagepub.com/site/Virtual\\_Collection/SPATIAL%20HOUSING%20ECONOMICS%20A%20SURVEY.xhtml](http://usj.sagepub.com/site/Virtual_Collection/SPATIAL%20HOUSING%20ECONOMICS%20A%20SURVEY.xhtml)

- Harlan, S.L., S. Yabiku, L. Larsen, and A. Brazel (2009) "Household Water Consumption in an Arid City: Affluence, Affordance, and Attitudes." *Society and Natural Resources* 22:691-709.
- Larson, K., D. Casagrande, S.L. Harlan, and S. Yabiku (2009) "Residents' Yard Choices and Rationales in a Desert City: Social Priorities, Ecological Impacts, and Decision Tradeoffs." *Environmental Management* 44:921-937.
- Larson, K.L, D. White, P. Gober, S.L. Harlan, and A. Wutich (2009) "Divergent Perspectives on Water Resource Sustainability in a Public-Policy-Science Context." *Environmental Science and Policy* 12:1012-1023.
- Harlan, S.L., A. Brazel, \*G.D. Jenerette, \*N.S. Jones, L. Larsen, \*L. Prashad, and W.L. Stefanov (2008) "In the Shade of Affluence: The Inequitable Distribution of the Urban Heat Island." *Research in Social Problems and Public Policy* 15: 173-202.
- \*Jenerette, G.D., S.L Harlan, A. Brazel, \*N. Jones, L. Larsen, and W.L. Stefanov (2007) "Regional Relationships between Vegetation, Surface Temperature, and Human Settlement in a Rapidly Urbanizing Ecosystem." *Landscape Ecology* 22: 353-365.
- Harlan, S.L., A. Brazel, \*L. Prashad, W.L. Stefanov, and L. Larsen (2006) "Neighborhood Microclimates and Vulnerability to Heat Stress." *Social Science & Medicine* 63: 2847-2863.
- Robert, P.M. and S.L. Harlan (2006) "Mechanisms of Disability Discrimination in Large Bureaucratic Organizations: Ascriptive Inequalities in the Workplace." *The Sociological Quarterly* 47:599-630.
- Larsen, L. and S.L. Harlan (2006) "Desert Dreamscapes: Residential Landscape Preference and Behavior." *Landscape and Urban Planning* 78:85-100.
- Kirby, A., S.L. Harlan, B. Bolin, E. Hackett, D. Hope, L. Larsen, A. Nelson, T. Rex, and S. Wolf (2006) "Examining the Significance of Housing Enclaves in the Metropolitan United States of America." *Housing, Theory and Society* 23:19-33.
- Larsen, L., S.L. Harlan, R. Bolin, E.J. Hackett, D. Hope, A. Kirby, A. Nelson, T. Rex, and S. Wolf (2004) "Bonding and Bridging: Understanding the Relationship between Social Capital and Civic Action." *Journal of Planning Education and Research* 24: 64-77.
- Stefanov, W.L., \*L. Prashad, \*C. Eisinger, A. Brazel, and S.L. Harlan (2004) "Investigation of Human Modifications of Landscape and Climate in the Phoenix Arizona Metropolitan Area Using MASTER Data." *The International Archives of the Photogrammetry, Remote Sensing, and Spatial Information Sciences* 35 (B7):1339-1347.
- Harlan, S.L. and P.M. Robert (1998) "The Social Construction of Disability in Organizations: Why Employers Resist Reasonable Accommodation." *Work and Occupations* 25 (4):397-435.
- Saidel, J.R. and S.L. Harlan (1998) "Contracting and Patterns of Nonprofit Governance." *Nonprofit*

*Management and Leadership* 8 (3):243-259.

Harlan, S.L. and J.R. Saidel (1994) "Nonprofit Boards of Directors in Third-Party Government." *Nonprofit Management and Leadership* 5 (2):173-196.

Trent, K. and S.L. Harlan (1994) "Teenage Mothers in Nuclear and Extended Households: Differences by Marital Status and Race/Ethnicity." *Journal of Family Issues* 15 (2):309-337.

Trent, K. and S.L. Harlan (1990) "Household Structure among Teenage Mothers in the United States." *Social Science Quarterly* 71 (3):439-457.

Harlan, S.L. (1989) "Opportunity and Attitudes toward Job Advancement in a Manufacturing Firm." *Social Forces* 67 (3):766-788.

Harlan, S.L. and E.J. Hackett (1985) "Federal Job Training Programs and Employment Outcomes: Effects by Sex and Race of Participants," *Population Research and Policy Review* 4:235-265.

Harlan S.L. and B. O'Farrell (1982) "After the Pioneers: Prospects for Women in Nontraditional Blue-Collar Jobs." *Work and Occupations* 9 (3):363-386.

O'Farrell, B. and S.L. Harlan (1982) "Craftworkers and Clerks: The Effect of Male Co-Worker Hostility on Women's Satisfaction with Non-Traditional Jobs." *Social Problems* 29 (3):252-265.

Harlan, S.L. (1981) "The Social Context of Employment Choice: Women in CETA." *The New England Sociologist* 3 (1):32-45.

**Peer-Reviewed Book Chapters** (\*student co-author)

Harlan, S.L., \*P. Chakalian, J. Declet-Barreto, D.M. Hondula, G.D. Jenerette (2019) "Pathways to Climate Justice in a Desert Metropolis." In *People and Climate Change: Vulnerability, Adaptation, and Social Justice*, L.M. Reyes and J. Rigg (eds.) Oxford University Press.

*Chinese translation edition, China Renmin University Press, 2019.*

Harlan, S.L., D.N. Pellow, and J.T. Roberts with S.E. Bell, W.G. Holt, and J. Nagel (2015) "Climate Injustice and Inequality: Insights from Sociology." Pp. 127-163 in *Climate Change and Society: Sociological Perspectives*, R.E. Dunlap and R.J. Brulle (eds.) Oxford University Press.

Grimm, N.L., C.L. Redman, C.G. Boone, D.L. Childers, S.L. Harlan, and B.L. Turner (2013) "Viewing the Urban Socio-ecological System through a Sustainability Lens: Lessons and Prospects from the Central Arizona-Phoenix LTER Programme." Pp. 217-246 in *Long-Term Sociological Research: Studies in Society – Nature Interactions across Temporal and Spatial Scales*, S.J. Singh, H. Haberl, M. Chertow, M. Mirtl, M. Schmidt (eds.). Springer. doi10.1007/978-94-007-1177-8\_10

Warren, P.S., S.L. Harlan, C. Boone, \*S B. Lerman, E. Shochat, and A.P. Kinzig (2010) "Urban Ecology and Human Social Organisation." Pp. 172-201 in *Urban Ecology*, K.J. Gaston (ed.). Cambridge, UK: Cambridge University Press and the British Ecological Society.

\*Ruddell, D.M., S.L. Harlan, S. Grossman-Clarke, and \*A. Buyantuev (2010) "Risk and Exposure to Extreme Heat in Microclimates of Phoenix, AZ." Pp. 179-202 in *Geospatial Techniques in Urban Hazard and Disaster Analysis*, P. Showalter and Y. Lu (eds). New York: Springer- Verlag.

Harlan, S.L. and R.J. Steinberg (1989) "Job Training for Women: The Problem in a Policy Context." Chapter 1 in *Job Training for Women: The Promise and Limits of Public Policies*, Harlan and Steinberg (eds.), Philadelphia, PA: Temple University Press.

Harlan, S.L. (1989) "Women and Federal Job Training Policy." Chapter 2 in *Job Training for Women: The Promise and Limits of Public Policies*, Harlan and Steinberg (eds.), Philadelphia, PA: Temple University Press.

Markham, W.T., S.L. Harlan, and E.J. Hackett (1987) "Promotion Opportunity in Organizations: Causes and Consequences." Pp. 223-287 in *Research in Personnel and Human Resources Management, Volume 5*, K.M. Rowland and G.R. Ferris (eds.), Greenwich, CT: JAI Press.

Harlan, S.L. (1985) "Federal Job Training Policy and Economically Disadvantaged Women." Pp. 282-310 in *Women and Work: An Annual Review, Volume I*, L. Larwood, A. Stromberg, and B. Gutek (eds.), Beverly Hills, CA: Sage.

O'Farrell, B. and S.L. Harlan (1984) "Job Integration Strategies: Today's Programs and Tomorrow's Needs." Pp. 267-291 in *Sex Segregation in the Workplace: Trends, Explanations, Remedies*, B.F. Reskin (ed.), Washington, D.C.: National Academy Press.

### **Book**

Harlan, S.L. and R.J. Steinberg (eds.) (1989) *Job Training for Women: The Promise and Limits of Public Policies*, Philadelphia, PA: Temple University Press. 572 pp.

### **Articles Under Review** (\*student co-author)

Watkins, L., M. Wright., L. Kurtz, P. Chakalian, E. Mallen, S. Harlan, D. Hondula. "A Comparison of Two Vulnerability Indices to Household Experiences with Extreme Heat in Phoenix, Arizona." Revise and resubmit, *Applied Geography*.

Hondula, D.M., E.R.Kuras, S. Betzel, J. Eneboe, M. Kaml, M. Munoz, M. Sevig, M. Singh, B.L. Ruddell, S.L. Harlan. "Novel metrics for relating personal heat exposure to social risk factors."

Hondula, D.M., S. Yang, B.L. Ruddell, S.L. Harlan, D.B. Petitti. "Optimizing Exposure Variable Selection for Heat-Health Risk Assessment: A Case Study in Maricopa County, Arizona, USA." revise and resubmit, *Environmental Health*.

Sarango, M., L. Senier, S.L. Harlan. "The High Cost of Affordable Water: An In-depth Exploration of Pathways from Water Bill Hardship to Poor Health."

### **Articles in Preparation** (\*student co-author)

Harlan, S.L., E. Mack, \*S. Clark. "Environmental Justice is Essential to a Sustainable Water Future for the United States. (invited by *Environmental Research Letters*)

\*Chakalian, P., D.M. Hondula, S.L. Harlan, and C. Gronlund. “Experiences with Heat-Related Illness, Perceptions of Summertime Heat Risks, and Protective Behaviors.”

\*Sarango, M., \*S. Clark, \*N. Faynshteyn, K. \*O’Donnell, \*S.L. Harlan. “Narratives of Water Injustices in Cities across the United States: Voices of Community Activists.”

\*E. Wilder, \*L. Contorno, \*R. Domond, \*K. Furman, J. Bolson and S.L. Harlan. “Barriers to Sustainability: Community Perspectives on Urban Water Governance.”

## **RESEARCH GRANTS**

### Active

National Science Foundation, Co-Principal Investigator. “Water Unaffordability in the United States: Using Principles of Organizational Learning to Understand Municipal Capacity to Safeguard Social Justice and Human Rights.”

Northeastern University TIER 1 Mentored Award, Co-Mentor. “Urban Form Impact: Humans, Environments, Equity.” 2019-2020. PIs S.J. Carr, J. Cephas, G. Boeing.

Northeastern University TIER 1, Principal Investigator. “Public Health and the Right to Affordable Water.” 2018-2019, \$49,406.

National Science Foundation, Co-Investigator. “Sustainability Research Network: Urban Water Innovation Network (UWIN): Transitioning Toward Sustainable Urban Water Systems” Colorado State University (PI: Mazdak Arabi, Colorado State University) \$12,500,000. “Social Equity and Environmental Justice in Urban Water Systems,” Northeastern University, Colorado State University and Michigan State University, \$597,836; Harlan Principle Investigator on Northeastern award \$185,670). Award No. 1444758, 2016-2020.

National Science Foundation, Co-investigator. “Hazards SEES: Enhancing Emergency Preparedness for Critical Infrastructure Failure during Extreme Heat Events.” Georgia Institute of Technology (PI: Brian Stone), Arizona State University, and University of Michigan. Award No. 1520803, 2015-2020, \$2,325,000 (ASU ~\$950,000).

### Complete

National Science Foundation, Co-Principal Investigator. “Service Access in Premodern Cities.” Award No. 1260344, 2013-2016, \$404,674.

National Science Foundation, Co-Principal Investigator. Central Arizona - Phoenix Long-Term Ecological Research Project, Phase 3: “Urban Sustainability in the Dynamic Environment of Central Arizona,” BCS-1026865. 2011-2016, \$5,640,000.

National Science Foundation, Principal Investigator. “Urban Vulnerability to Climate Change: A System Dynamics Analysis.” (Coupled Natural-Human Systems Program), GEO 0816168, 2008 – 2014, \$1,439,610. Endorsed by Urbanization and Global Environmental Change, a Core Project of the International Human Dimensions Program.

National Science Foundation, Co-Principal Investigator and Project Director, Central Arizona - Phoenix Long-Term Ecological Research Project Supplemental Grant for: "The Phoenix Area Social Survey: Increasing the Participation of Minority and Low Educational Attainment Households." 2010-2011, \$19,994.

ASU, School of Human Evolution and Social Change, Co-Principal Investigator. "Late Lessons from Early History – Urban Organization through the Ages: Neighborhoods, Open Spaces and Urban Life." 2008-2011, \$375,661.

National Science Foundation, Co-Principal Investigator. "Central Arizona - Phoenix Long-Term Ecological Research Project, Phase 2," DEB-0423704, 2004-2010, \$5,021,000.

National Science Foundation, Co-Principal Investigator and Project Director, Central Arizona - Phoenix Long-Term Ecological Research Project Supplemental Grants for: "Collaborative Social Science: The Phoenix Area Social Survey." 2004-2006, \$97,258 and an additional \$20,000 from the NSF's Decision Center for a Desert City, ASU; and "Comparison of Public and Scientists' Understandings of Local Environmental Problems." 2006-2010, \$11,996.

National Science Foundation, Principal Investigator. "Neighborhood Ecosystems: Human-Climate Interactions in a Desert Metropolis." (Biocomplexity Program), SES-0216281, 2002-2005, \$107,490.

Arizona State University Multi-Investigator Development Grant, Principal Investigator, "Phoenix Area Social Survey," 2001, \$14,000.

Arizona State University Faculty Grant-in-Aid Program, Principal Investigator, "Inequalities in Postindustrial Urban Labor Markets," 2000-2001, \$7,000.

U.S. Department of Education, National Institute for Disability and Rehabilitation Research, Principal Investigator, "The Effects of Work Environments and Individual Characteristics on Job Opportunities for People with Disabilities," 1992-1995, \$213,684.

U.S. Department of Labor, Glass Ceiling Commission, Principal Investigator, "Barriers to Employment Equity: Bridging the Gap between the Glass Ceiling and the Sticky Floor," 1993-1994, \$17,500.

Aspen Institute Nonprofit Sector Research Fund, Co-Principal Investigator, "Continuation Grant for Nonprofit Boards of Directors in Third-Party Government," 1994, \$12,000.

Aspen Institute Nonprofit Sector Research Fund, Co-Principal Investigator, "Nonprofit Boards of Directors in Third-Party Government," 1992-1993, \$30,000.

National Science Foundation, Principal Investigator. "Household Structure and Teenage Mothers." 1990-1993, \$69,997.

National Science Foundation, Principal Investigator, "The Effects of Education and Training



Differences on the Employment Outcomes of Women and Men." 1981-1983, \$78,000.

U.S. Department of Education, National Institute of Education, Principal Investigator, "Sex Equity in Access to Educational Resources under CETA and the Effect on Postprogram Employment." 1981. NIE funded the proposal; I declined the award.

U.S. Department of Labor, Employment and Training Administration, Doctoral Dissertation Grant, "Uses of Manpower Funds by Counties under the Comprehensive Employment and Training Act." 1977-1979, \$12,000.

## **FELLOWSHIPS & VISITING APPOINTMENTS**

Visiting Scientist, Potsdam Institute for Climate Impact Research, Potsdam, Germany, Oct-Dec. 2012

Center Fellow, National Center for Ecological Analysis and Synthesis, University of California, Santa Barbara, 2004-2005

Visiting Research Scholar, The Henry A. Murray Research Center, Radcliffe College, 1983-1984

National Institute of Mental Health Postdoctoral Fellow, Social Systems Research Training Program, Cornell University, 1979

## **INVITED LECTURES AND PRESENTATIONS**

### **National and International Academic Audiences**

"Social Vulnerability and Perceived Risk of Floods." Invited presentation at the American Meteorological Society Annual Meeting, Boston, MA, January 12-16, 2020.

"Climate Injustice in Cities: Extreme Heat and Poor Neighborhoods." Invited presentation at the American Geophysical Union Fall Meeting, San Francisco, CA, December 9-13, 2019.

Social Equity, Environmental Justice, and Societal Ethics Panel. Presented at the Sustainability Research Network Awardees Conference, National Science Foundation. Alexandria, VA. June 5-6, 2018.

"Pathways to Climate Justice in a Desert Metropolis." Speaker at the People and Climate Change: Vulnerability, Adaptation, Social Justice, International Symposium sponsored by Brown School of Social Work, Washington University, St. Louis, MO. November 17-19, 2016.

Partnerships, Research, and Innovation for Urban Sustainability: Confronting Local Sustainability Challenges in a Global Environment. Workshop Speaker, National Academies of Sciences, Engineering, and Medicine. Washington, D.C. October 15, 2015.

"Addressing Climate Impacts in Vulnerable Communities." Speaker at the Planning and Climate Change Symposium, American Planning Association National Planning Conference. Seattle, WA, April 18-21, 2015.

"Uncertainties in Modeling Health Outcomes in Response to High Temperatures." Speaker at the Uncertainties in Climate Change Research Colloquium. National Center for Atmospheric Research, Boulder, CO, July 21-August 6, 2014. <http://www.asp.ucar.edu/colloquium/2014/presentations.php>

- “Urbanization and Climate Change in Desert Cities of Central Arizona: Heat Island to Heat Riskscape.” Speaker at the Instituto de Research Sociale, Universidad Automato de Nuevo Leon, Monterrey, Mexico, March 10, 2014.
- “Toward a Social-Ecological Understanding of Heat-Related Mortality in Central Arizona Desert Cities” and “Extreme Collaborations: Adventures in Interdisciplinary Environmental Research.” Speaker at the Fifth Biannual Workshop on Climate and Health. National Center for Atmospheric Research, Boulder, CO. July 9-12, 2013.
- “Social-Ecological Change in Desert Cities of Central Arizona: Heat Island to Heat Riskscape.” Boston University, Boston, MA, March 21, 2013.
- “A Coupled Natural and Human Systems Study of Climate Change and Health in Phoenix, Arizona U.S.A.” Technical University in Berlin, sponsored by Department of Ecology and Research Unit on Urban Climate and Heat Stress in Mid-Latitude Cities in View of Climate Change, Berlin, Germany, December 6, 2012.
- “A Coupled Natural and Human Systems Study of Climate Change and Health in Phoenix, Arizona U.S.A.” Potsdam-Institute for Climate Impact Research, sponsored by Climate Impacts and Vulnerabilities North-South Group, Potsdam, Germany, November 30, 2012.
- “Climate Change, Neighborhood Ecosystems, and Human Health in Phoenix, Arizona U.S.A.” Chinese Academy of Sciences, State Key Laboratory of Urban and Regional Ecology Research Center for Eco-Environmental Sciences, Beijing, China, May 28, 2012.
- “Climate Change, Neighborhood Ecosystems, and Human Health in Phoenix, Arizona U.S.A.” East China Normal University, Shanghai State Key Laboratory of Urban Ecological Processes and Eco-Restoration, Shanghai, China, June 6, 2012.
- “Adapting to Health Impacts of Climate Change in the Desert Southwest.” University of California Global Health Institute, Riverside, CA, September 29, 2011.
- ”Sustainable Desert City: Is It an Oxymoron?” Annual meeting of the American Sociological Association, Regional Spotlight Session: Sustainable Las Vegas? Las Vegas, NV, August 20-24, 2011.
- Heat-Health Vulnerability Workshop sponsored by the Public Health Foundation of India and the National Resource Defense Council, Ahmedabad, Gujarat India March 28-30, 2011.
- “Climate Change and Health in Cities: A Coupled Natural and Human Systems Approach.” University of Texas at El Paso, Sponsored by the Center for Environmental Resource Management, El Paso, TX, January 27, 2011.
- “Heat Stress and Vulnerable Communities in Arizona.” Annual meeting of the American Public Health Association, Denver, CO, November 6-10, 2010.

“Urban Vulnerability and Adaptation to Climate Change: A Coupled Natural and Human Systems Approach.” University of Kansas, Co-sponsored by C-Change (Climate Change and Nature in the Global Environment) IGERT Program and the Institute for Policy & Social Research, Lawrence, KS. March 25, 2010.

“Urban Vulnerability and Adaptation to Climate Change: A Coupled Natural and Human Systems Approach.” University of Colorado, Co-sponsored by the Sociology Department and the Natural Hazards Center, Boulder, CO. March 11, 2010.

“Health, Cities, Inquiry and Action.” Energy and Climate Research: Opportunities for Collaboration between U.S. and German Research Organizations.” Joint meeting with American and German scientists sponsored by the National Science Foundation, the U.S. Department of Energy, and the Deutsche Forschungsgemeinschaft (German Research Foundation) Washington, D.C. February 18, 2010.

“The Phoenix Laboratory: Collaborative, Interdisciplinary, and Translational Research on Heat and Health.” National Center for Atmospheric Research Third Biannual Workshop on Climate and Health, Boulder, CO. July 12-17, 2009.

Sociological Perspectives on Global Climate Change Workshop sponsored by the National Science Foundation, Arlington, VA, May 30-31, 2008.

“Climate Injustice in Cities: Neighborhood Landscapes and Human Vulnerability to Extreme Heat.” Plenary presentation at the annual conference of the Council of Educators in Landscape Architecture, Tucson, AZ. January 16, 2009.

Harlan, S.L., D. Ruddell, and S. Grossman-Clarke. “Assessing Heat-Related Discomfort and Coping in Urban Neighborhoods.” Third NCAR Community Workshop on GIS in Weather, Climate and Impacts, National Center for Atmospheric Research, Mesa Lab, Boulder, CO, October 27-29, 2008.

“Sociological Research in the Central Arizona – Phoenix LTER.” Sponsored by the Jornada Experimental Range Long-Term Ecological Research project, New Mexico State University, Las Cruces, NM, December 2, 2005.

“Environmental Complexity in Urban Neighborhoods,” National Center for Ecological Analysis and Synthesis, University of California, Santa Barbara, Santa Barbara, CA. January 27, 2005.

Interdisciplinary Studies and Remote Sensing Workshop. Presentation on Neighborhood Ecosystems Project. Long-Term Ecological Research All Scientists Meeting sponsored by the National Science Foundation, Seattle, WA. September 18-21, 2003.

### **Local University Audiences**

Harlan, S.L. “Climate and Society: Insights from the American Sociological Association Task Force on Sociology and Global Climate Change.” Department of Sociology and Anthropology Intellectual Event Series, Northeastern University, Boston, MA, April 7, 2016.

Harlan, S.L. and M. Georgescu. “The Urban Water Innovation Network (U-WIN): A Multi-Institutional Partnership.” School of Geographical Sciences and Urban Planning Colloquium, Arizona State University, Tempe, AZ, November 13, 2015.

“Extreme Climate Events: Heat and its Impact on Health.” Panelist, Decision Center for a Desert City Water/Climate Briefing, Arizona State University, Tempe, AZ, October 1, 2014.

<https://dcdc.asu.edu/outreach/waterclimate-briefings/>

“Environmental Justice and Urban Climate.” Presented at the National Science Foundation Mid-Term Site Review of the Central Arizona – Phoenix Long-Term Ecological Research Project, Arizona State University, Tempe, AZ. September 26-27, 2013.

“Climate, Ecosystems and People Integrated Project Area: 2011 Highlights.” S.L. Harlan and B. Ruddell. Fourteenth Annual Central-Arizona Phoenix Long-Term Ecological Research (CAP LTER) Poster Symposium, Arizona State University, Scottsdale, AZ. January 13, 2012.

“Understanding Urban Heat Islands.” Panelist, Decision Center for a Desert City Water/Climate Briefings, Arizona State University, Tempe, AZ. September 1, 2010.

“Urban Vulnerability to Climate Change: An Interdisciplinary Investigation of Extreme Heat and Human Health in Phoenix.” Ecosystems Engineering Seminar sponsored by the Center for Environmental Fluid Dynamics and Global Institute of Sustainability, Arizona State University, Tempe, AZ. October 14, 2009.

Harlan, S.L. and W. Bannister. “The Role of Public Health Informatics in Studying Urban Vulnerability to Climate Change.” Biomedical Informatics Seminar Series, Fulton School of Engineering, Arizona State University, Tempe, AZ. March 26, 2009.

Panelist, “Roundtable: Exploring Research Collaboration and Knowledge Exchange.” Tenth Annual Central Arizona - Phoenix Long-Term Ecological Research (CAP LTER) Symposium, Arizona State University, Tempe, AZ. January 10, 2008.

“Climate Vulnerability in Phoenix.” Presented at the National Science Foundation Mid-Term Site Review of the Central Arizona – Phoenix Long-Term Ecological Research Project, September 23-25, 2007 and the CAP LTER Advisory Board Visit, Arizona State University, Tempe, AZ. April 23-24, 2007.

“The Phoenix Area Social Survey: A CAP LTER / DCDC Collaboration.” National Science Foundation Site Review of the Decision Center for a Desert City, Arizona State University, Tempe, AZ. February 26-27, 2007.

Panelist, “The Value of Long-Term Research.” Ninth Annual Central Arizona - Phoenix Long-Term Ecological Research Central Arizona - Phoenix Long-Term Ecological Research Poster Symposium, Arizona State University, Tempe, AZ. January 10, 2007.

“New Possibilities for Integrative Research: A Preview of the 2006 Phoenix Area Social Survey.” Central Arizona – Phoenix Long-Term Ecological Research project All Scientists Meeting, Arizona State University, Tempe, AZ. February 20, 2006.

“The Phoenix Area Social Survey: Summary Results of the Pilot Study.” Central Arizona – Phoenix Long-Term Ecological Research project All Scientists Meeting, Arizona State University, Tempe, AZ. April 7, 2003.

### **Research Featured in Media**

*Thomson Reuters Foundation*. “Extreme Heat – Unseen Threat Burns the Urban Poor” by Sebastien Malo. September 21, 2017. Part of the series on Rising Heat: A Warming Planet Braces for a Sweltering World. <http://news.trust.org/item/20170921004408-b751q> and <https://www.reuters.com/article/us-heatwave-usa-cities/feature-extreme-heat-an-unseen-threat-burns-u-s-urban-poor-idUSKCN1BW037>

*News at Northeastern*. “Heat Waves Scorch Unsuspecting Cities” by Allie Nicodemo. August 22, 2017. [https://news.northeastern.edu/2017/08/hot-take-heat-waves-scorch-unsuspecting-cities/?utm\\_source=News%40Northeastern&utm\\_campaign=377c6a7869-EMAIL\\_CAMPAIGN\\_2017\\_08\\_22&utm\\_medium=email&utm\\_term=0\\_508ab516a3-377c6a7869-278490621](https://news.northeastern.edu/2017/08/hot-take-heat-waves-scorch-unsuspecting-cities/?utm_source=News%40Northeastern&utm_campaign=377c6a7869-EMAIL_CAMPAIGN_2017_08_22&utm_medium=email&utm_term=0_508ab516a3-377c6a7869-278490621) Featured on PreventionWeb <https://www.preventionweb.net/news/view/54635>

*KAWC Colorado River Public Media, Arizona Science and Innovation Desk*. “Arizona’s Poorest Neighborhoods Struggle to Provide Heat Relief” by Amanda Solliday. November 1 and 2, 2015. <http://kjzz.org/content/212353/arizona%E2%80%99s-poorest-neighborhoods-struggle-provide-heat-relief>

*Smithsonian Magazine*. “The Reality of a Hotter Summer is Already Here” by Jerry Adler. May 2014. <http://www.smithsonianmag.com/science-nature/reality-hotter-world-already-here-180951172/?page=1>

*National Science Foundation Discovery*. “Summertime: Hot Time in the City.” June 21, 2013. [http://www.nsf.gov/discoveries/disc\\_summ.jsp?cntn\\_id=128204&org=NSF](http://www.nsf.gov/discoveries/disc_summ.jsp?cntn_id=128204&org=NSF)

*International Innovation: Disseminating science, research and technology*. “Just Deserts.” January 2013. [www.international-innovation-northamerica.com](http://www.international-innovation-northamerica.com)

*Wired Science*. “Environmental Gap Widens in Phoenix” by Brandon Keim. December 1, 2011. <http://www.wired.com/wiredscience/2011/12/environmental-gap/>

National Resources Defense Council, New York City. Press conference statement and Q&A on release of new web pages, “Climate Change Threatens Health,” August 3, 2011. <http://www.nrdc.org/health/climate/>

KTEP Public Radio El Paso, TX. Science Studio Program, 30-minute interview with Keith Pannell and Russ Chianelli on “Urban Heat Islands” aired Feb. 20, 2011. [http://www.ktep.org/files/archive\\_1980.mp3](http://www.ktep.org/files/archive_1980.mp3)

NASA Johnson Space Center News. NASA Assets Provide Orbital View to Study Phoenix Heat Waves. Aug. 10, 2010. [http://www.nasa.gov/centers/johnson/home/phoenix\\_heatwaves\\_feature.html](http://www.nasa.gov/centers/johnson/home/phoenix_heatwaves_feature.html)

McKinnon, S. “Wealth Buys Relief from the Urban Heat Island, *The Arizona Republic*, September 20, 2009.

Harlan, S.L. “When Heat Threatens Society,” *The Arizona Republic* newspaper editorial, June 21, 2008.

## OTHER PUBLICATIONS

### Reports, Monographs, and Datasets (\*student co-author)

- \*Wright, M.K, D.M. Hondula, \*L. Watkins, \*P.M. Chakalian, \*L.C. Kurtz, S.L. Harlan, L. Larsen, C.J. Gronlund, \*E. Mallen (2020) "Dataset for "Social and behavioral determinants of indoor temperatures in air-conditioned homes," Mendeley Data, v1.  
<http://dx.doi.org/10.17632/t9cgvfd572.1>.
- \*Wright M., L. \*Watkins, D. Hondula, \*L. Kurtz, \*P. Chakalian, S. Harlan, J. Declet-Barreto (2019) *Social and Heat Vulnerability Indices in Phoenix, Arizona*. LTER Network Environmental Data Initiative.  
<https://doi.org/10.6073/pasta/12992abf8e60106d7b0d9e186ede7b33>.
- \*Contorno, L., \*M. Sarango, S.L. Harlan (2018) "Environmental Justice and Sustainable Urban Water Systems: Community Voices from Selected Cities in the United States." Social Science Environmental Health Research Institute, Northeastern University, Boston, MA.  
[www.northeastern.edu/environmentalhealth/UWIN\\_Report.pdf](http://www.northeastern.edu/environmentalhealth/UWIN_Report.pdf)
- Biehl, P.F., S. Crate, M. Gardezi, L. Hamilton, S.L. Harlan, C. Hritz, B. Hubbell, T.A. Kohler, N. Peterson, J. Silva. (2018) "Innovative Tools, Methods, and Analysis: Social Science Perspectives on Climate Change." White Paper, U.S. Global Change Research Program (USGCRP), Washington, D.C.  
<https://www.americananthro.org/socialscienceperspectivesonclimatechange>
- Harlan, S.L. (2016) "The Quest for Climate Justice in an Unequal World." Scholars Strategy Network: Research to Improve Policy and Strengthen Democracy.  
<http://www.scholarsstrategynetwork.org/scholar/sharon-l-harlan>
- Smith, V.K., S.L. Harlan, M. McLaen, \*J. Fishman, \*C. Valcarcel, M. Nation. (2015) "Compassion or Cash: Evaluating Survey Response Incentives and Valuing Public Goods." Working Paper 21288 (June), National Bureau of Economic Research, Cambridge, MA. <http://www.nber.org/papers/w21288>
- Harlan, S.L. (2009) "What Does Sociology Bring to the Table for Studying the Human Dimensions of Global Climate Change?" Pp. 97-100 in J. Nagel, T. Dietz, and J. Broadbent (eds.), Report of the *National Science Foundation Workshop on Sociological Perspectives on Global Climate Change*, Arlington, VA, May 30-31, 2008. [http://ireswb.cc.ku.edu/~crgc/NSFWorkshop/Readings/NSF\\_WkspReport\\_09.pdf](http://ireswb.cc.ku.edu/~crgc/NSFWorkshop/Readings/NSF_WkspReport_09.pdf)
- Harlan, S.L., M. Budruk, \*A. Gustafson, K. Larson, \*D. Ruddell, V.K. Smith, A. Wutich, and S. Yabiku (2007) *Phoenix Area Social Survey 2006 Highlights: Community and Environment in a Desert Metropolis*. Central Arizona - Phoenix Long-Term Ecological Research Project Contribution No. 4. Global Institute of Sustainability, Arizona State University.  
<http://caplter.asu.edu/home/contributions/index.jsp>
- Harlan, S.L., T. Rex, L. Larsen, E.J. Hackett, A. Kirby, S. Wolf, B. Bolin, A. Nelson, and D. Hope. (2003) *The Phoenix Area Social Survey: Community and Environment in a Desert Metropolis*. Central Arizona - Phoenix Long-Term Ecological Research Project Contribution No. 2. Arizona State University.
- Harlan, S.L. and P.M. Robert (1995) *Disability in Work Organizations: Barriers to Employment Opportunity*, final report to the U.S. Department of Education, National Institute on Disability and

Rehabilitation Research.

- Harlan, S.L. and C.W. Berheide (1994) *Barriers to Workplace Advancement Experienced by Women in Low-Paying Occupations*, commissioned by the U.S. Department of Labor Glass Ceiling Commission.
- Review of *Poverty Dynamics: Issues and Examples* by Robert Walker (Brookfield, VT: Ashgate, 1994) *Contemporary Sociology* 25 (3), 1996:339-340.
- Hackett, E.J. and S.L. Harlan (1988) *Implementing New Technology in New York State Agencies*, prepared for the Committee on the Work Environment and Productivity, Governor's Office of Employee Relations and Civil Service Employees Association.
- Harlan, S.L., L. Haignere, and B.D. Fisher (1988) *Suffolk County Pay Equity Study*, prepared for the Office of the County Executive, Suffolk County, New York.
- Harlan, S.L., B.D. Fisher, and R. Alba (1986) *Trends in the Demand for Lower-Level and Mid-Level Occupations in New York State*, prepared for the New York State Department of Social Services, Office of Program Planning, Analysis and Development.
- Levine, J.A., S.L. Harlan, M. Seligson, J.H. Pleck, and L. Lein (1981) *Child Care and Equal Opportunity for Women*, United States Commission on Civil Rights, Clearinghouse Publication No. 67.
- Harlan, S.L. (1979) *Participation of Disadvantaged Groups in Employment and Training Programs (CETA) in New York and Pennsylvania*, prepared for the Office of Research and Development, Employment and Training Administration, U.S. Department of Labor, Final Report No. 91-36-77-49.

**Women in Public Service: Report series sponsored by the American Federation of State, County, and Municipal Employees (AFSCME), AFL-CIO**

- "Hidden Violence against Women at Work," *Women in Public Service*, A Special Report of the Center for Women in Government, SUNY Albany in Conjunction with AFSCME, No. 5, 1999.
- "Cost of Sexual Harassment to Employers Up Sharply," *Women in Public Service*, A Bulletin of the Center for Women in Government, SUNY Albany, No. 4, 1994.
- "Women Face Barriers in Top Management," *Women in Public Service*, A Bulletin of the Center for Women in Government, SUNY Albany, No. 2, 1992.
- "Number of Women in Government Increasing," *Women in Public Service*, A Bulletin of the Center for Women in Government, SUNY Albany, No. 1, 1991.

**PRESENTATIONS AT PROFESSIONAL MEETINGS (since 2000; \*student co-author)**

- \*Sarango, M., \*S. Clark, \*N. Faynshteyn, \*K. O'Donnell, S.L. Harlan. "Narratives of Water Injustice across U.S. Urban Areas," American Association of Geographers Annual Meeting, New Orleans, LA, April 2018.

- \*Wilder, E., \*R. Domond, \*K. Furman, \*L. Contorno, J. Bolson, \*F. Mohamed, S. Harlan. “Barriers to Sustainability: Community Perspectives on Urban Water Governance.” American Association of Geographers Annual Meeting, New Orleans, LA, April 2018.
- \*Chakalian, P.M., \*L.E. Watkins, E.C. \*Kurtz, \*M.K. Wright, D.M. Hondula, S.L. Harlan. “Assessing Vulnerability Indices and How They Relate to on the Ground Experiences of Extreme Heat in Phoenix, AZ,” American Association of Geographers Annual Meeting, New Orleans, LA, April 2018.
- \*Wright, M.K., D.M. Hondula, \*P. Chakalian, \*E.C. Kurtz, \*L.E. Watkins, and S.L. Harlan. “Indoor Temperature and Air Conditioning Use in Phoenix, AZ: A Household Study,” American Meteorological Society Annual Meeting, January 2018.
- \*Watkins, L.E., \*M.K. Wright, \*E.C. Kurtz, \*P. Chakalian, D.M. Hondula, and S.L. Harlan. “Comparing Heat Vulnerability Indicators and Household Experiences in Phoenix, Arizona.” American Meteorological Society Annual Meeting, January 2018.
- Co-organized with E. Mack Session 4455 at the American Association of Geographers Annual Meeting: Social Equity, Environmental Justice, and Urban Water Systems, Boston, MA, April 2017.
- \*Clark, S., S.L. Harlan, E. Mack. “Systematic Review of Peer-reviewed Literature on Urban Water Pressures and Environmental Justice in the United States, 1976-2016.” American Association of Geographers Annual Meeting, Boston, MA, April 2017.
- Harlan, S.L. Thematic Session: Global Climate Change – The Role of Sociology, “Global and Local Scales of Climate Justice.” Society for the Study of Social Problems Annual Meeting, Seattle, WA, August 19-21, 2016.
- Harlan, S.L. Invited Session: Climate Change and Society – Sociological Perspectives, “Climate Justice in an Unequal World: Science in Support of Local Action.” Association for Environmental Studies and Sciences Annual Meeting, Washington, D.C., June 8-11, 2016.
- Harlan, S.L., T. Lakes, \*A. Hagy-Ferguson, \*S. Osenberg. “Vulnerability to Urban Heat Stress in Two Climates: The Importance of Social Surveys in Discerning Perceptions of Risk and Resilience in Berlin, Germany and Phoenix, USA.” European Survey Research Association Annual Meeting, Reykjavik, Iceland, July 13-17, 2015.
- Harlan, S.L., D.B. Petitti, D.M. Hondula, S. Yang, G. Chowell, B.L. Ruddell. “New Evidence from a Hot Climate: Considering Multiple Health Events, Exposure Variables, and Trigger Points for Interventions Related to Health Impacts of High Temperatures.” 95th American Meteorological Society Annual Meeting, Phoenix, AZ, January 4-8, 2015.
- Ruddell, B.L., S.L. Harlan, D. Hondula, A. Jamison, D.B. Petitti, D.M. Ruddell, S. Yang. “An Outcomes-Based Heat Information System Prototype for Phoenix, Arizona.” 95th American Meteorological Society Annual Meeting, Phoenix, AZ, January 4-8, 2015.
- Harlan, S.L. Discussant, Session on “Environmental Justice and Global Cities.” Annual meeting of the



American Sociological Association in New York, NY, August 18, 2013.

Harlan, S.L., T. Bleasdale, C. Crouch, J. Declat-Barreto, T. Halperin, K. Parady. "Who Will Plant the Trees? Participatory Adaptation to Climate Change in a Low-Income Urban Neighborhood." Annual meeting of the Society for Social Studies of Science (4S) and European Association for the Study of Science and Technology. Copenhagen, Denmark, October 17-20, 2012.

Martin, C.A., G.D. Jenerette, S.L. Harlan. "Air and Near Surface Temperature Regimens in Neighborhood Parks of Phoenix, Arizona, USA during Extreme Summer Heat." ICUC – 8th International Conference on Urban Climate and 10th Symposium on the Urban Environment. Dublin, Ireland, August 6-10, 2012. (To be published in Conference Proceedings.)

Harlan, S.L. "Cities and Climate." Annual meeting of the American Sociological Association, Special Session on Reconfiguring Global Authority, Resources, Ideas, Bodies. Las Vegas, NV, August 20-24, 2011.

Martin, C.A., S.L. Harlan, J. Declat-Barreto. "Tree Naturalization as a Means of Provisioning Ecosystem Services in an Arid Urban Ecosystem." Annual meeting of the Ecological Society of America. Austin, TX, August 7-12, 2011.

Harlan, S.L., \*J. Declat-Barreto, \*E. Morales, G. Chowell, D. Petitti, D. Ruddell. "Understanding Urban Heat Risks: A Comprehensive Analysis of Heat Deaths in Phoenix, Arizona." International Conference on Urbanization and Global Environmental Change, Tempe, AZ, October 15-17, 2010.

Harlan, S.L. "The Climate of Cities and Community Health." Thematic session on Climate Change and Threatened Communities at the annual meeting of the American Sociological Association, San Francisco, CA, August 8-11, 2009.

\*Ruddell, D.M., S.L. Harlan, S. Grossman-Clarke, and G. Chowell. "Scales of Perception: Public Awareness of Neighborhood and Regional Temperature Differences." Annual meeting of the American Meteorological Society, Phoenix, AZ, January 11-15, 2009.

Wilhelmi, O., M. Hayden, S. Harlan, \*D. Ruddell, K. Komatsu, B. England, and \*C. Uejio. "A Framework for Spatial Assessment of Local Level Vulnerability and Adaptive Capacity to Extreme Heat." American Geophysical Union Fall Meeting, San Francisco, CA, December 15-19, 2008.

Harlan S.L. "Double Jeopardy: Urban Heat Islands and Global Warming." Annual meeting of the American Sociological Association, Boston, MA, August 1-4, 2008.

Harlan, S.L., S. Yabiku, L. Larsen, and A. Brazel. "Household Water Consumption in an Arid City: Affluence, Affordance, and Attitudes." Annual meeting of the American Sociological Association, New York, NY, August 10-13, 2007.

Harlan, S.L., A. Brazel, \*L. Prashad, W.L. Stefanov, and L. Larsen. "Neighborhood Environments and Vulnerability to Heat Stress." Annual meeting of the American Sociological Association, Montreal, Canada, August 11-14, 2006.

Harlan, S.L., L. Larsen, E.J. Hackett, S. Wolf, B. Bolin, D. Hope, A. Kirby, A. Nelson, and T. Rex. "Neighborhood Attachment in Urban Environments." Annual meeting of the American Sociological Association, Philadelphia, PA, August 13-16, 2005.

Larsen, L., R.W. Marans, \*G. Carter III, \*A. Gocmen, and S.L. Harlan. "Residential Quality in Detroit and Phoenix: An Exploration of Factors Influencing Mobility in Declining and Growing Metropolitan Areas." Environmental Design Research Association (EDRA), Vancouver, Canada, April 28- May 1, 2005.

Harlan, S.L., A. Brazel, W.L. Stefanov, \*L. Prashad, L. Larsen, \*S. Grineski, \*N. Jones, and \*J. Parker. "An Interdisciplinary Investigation of Social Class, Ethnicity, and Exposure to Urban Climate Change." Globalization and the Environmental Justice Movement Symposium, Tucson, AZ, September 23-25, 2004.

Harlan, S.L., A. Brazel, W.L. Stefanov, L. Larsen, \*S. Grineski, \*N. Jones, \*J. Parker, and \*L. Prashad. "Inequality for the 21<sup>st</sup> Century: Social Class, Ethnicity, and Vulnerability to Climate Change." Pacific Sociological Association annual meeting, San Francisco, CA, April 15-18, 2004.

Stefanov, W.L., \*L. Prashad, \*C. Eisinger, A. Brazel, and S.L. Harlan. "Investigation of Human Modifications of Landscape and Climate in the Phoenix, Arizona Metropolitan Area Using MASTER Data." International Society for Photogrammetry and Remote Sensing 20<sup>th</sup> Quadrennial Conference, Istanbul, Turkey, July 2004.

Larsen, L. and S.L. Harlan. "The Wealth of Neighborhoods: Exploring the Concept of Neighborhood Capital." Third Joint Congress of the ACSP and AESOP, Leuven, Belgium, July 8-12, 2003.

Harlan, S.L. Discussant, Session on "Labor Markets: Conceptualizations and Consequences." Annual meeting of the American Sociological Association in Anaheim, CA, August 18, 2001.

Harlan, S.L. and A. Nelson. "Labor Market Dynamics in a Postindustrial City: A Sectoral and Spatial Analysis of Employment Change in Phoenix." Annual meeting of the American Sociological Association, Washington, DC, August 15, 2000.

## **TEACHING**

### **Undergraduate Courses – Northeastern University**

Climate Change & Society, Freshman Honors Seminar, Service Learning

### **Graduate Courses – Northeastern University**

Environmental Health  
Survey Research Methods

### **Honors Arizona State University**

Distinguished Nominee, ASU Parents Association Professor of the Year Award, 2011

Nominee, ASU School of Human Evolution and Social Change Faculty Award for Significant

Contribution to Undergraduate Education, 2009  
Guest Coach for ASU Sun Devil Football, Contributions to Student Athlete Education. 2007 Season

**Undergraduate Courses – Arizona State University**

China Summer Study Abroad Program Co-Director 2012  
New Zealand Summer Study Abroad Program Director 2009, 2010  
(ASB 443/SSH 403 Cross-cultural Studies in Global Health)  
(ASB 410/SSH 400 Poverty, Social Justice, and Global Health)  
ASB 191 Freshman Seminar (College Matters)  
ASB/SOS 394 Climate & Society  
ASB/SOS 370 Production, People & Environments  
ASB/SOC 421 Education and Society  
SOC 423 Social Class and Stratification  
SOC 321 Sociology of Work  
SOC/FAS 391 Sociological Research (required course for Sociology majors)  
SOC 394 Gender and Work

**Graduate Courses – Arizona State University**

ASB/SOS 500 Social Survey Research  
ESS/SSH 514 Urban and Environmental Health  
ESS/ASB/GCU/SOS 591 Environmental Justice and the City  
ASB/GCU/PUP 591 Principles of Urbanism  
SOC 591 Gender, Race and Work  
Survey Research Practicum  
IGERT in Urban Ecology Workshop

**Undergraduate Courses – Cornell University, Boston College**

Women and Work; Inequality in America; Introductory Sociology; Techniques of Social Research Social Science and Public Policy

**Student Theses Completed**

Ph.D. dissertations = 10; Master's theses = 15; Honors, REU and undergraduate research = 18

**Ph.D. Dissertation Committees Northeastern University**

Mariana Sarango, Ph.D. committee chair, Population Health  
Elisabeth Wilder, Ph.D. committee chair, Sociology  
Stephanie Clark, Ph.D. committee member, Sociology  
\*Lauren Contorno, Ph.D. committee member, Sociology  
Kelsi Furman, Ph.D. committee member, Environmental and Marine Science  
Keira O'Donnell, Ph.D. committee member, Environmental and Marine Science

**Ph.D. Dissertation Committees Arizona State University (\*Completed)**

Elizabeth Kurtz, Ph.D. committee member, Global Health.  
\*Paul Chakalian, Ph.D. committee co-chair, Environmental Social Science.  
\*Thomas Bleasdale, Ph.D. committee chair, Environmental Social Science. "Gardens of Justice: A Social Movement for Food Security." (2015)

- \*Juliana Novic, Ph.D. committee member, Anthropology. "Neighborhood Dynamics at Calixtlhuaca, Mexico." (2015)
- \*Bogyeong Min, Ph.D. committee member, Geographical Sciences and Urban Planning. "Are Compact Cities More Equitable? Evidence from King County, Washington." (2014)
- \*Juan Declat-Baretto, Ph.D. committee co-chair, Environmental Social Science. "A Socio-ecological Understanding of Extreme Heat Vulnerability in Phoenix, Arizona." Received the 2014 Gilbert F. White Hazards Dissertation Award from the Hazards Specialty Group of the American Association of Geographers (2013)
- \*Yun Ouyang, Ph.D. committee member, Sustainability. "A Multi-Scale Study of the Relationship of Single-Family Residential Water Use with Its Determinants in the Central Arizona-Phoenix Region." (2013)
- \*Darren Ruddell, Ph.D. committee member, Geographical Sciences and Urban Planning. "Scale and Social Science: A Study of Theory, Methods, and Quality of Life." (2009)
- \*Jennifer Jacobson, Ph.D. committee chair, Sociology. "Is There a Hidden Gender Curriculum in Elementary Education Teacher Training Programs?" (2008)
- \*Marcella Gemelli, Ph.D. committee member, Sociology. "Bridging the Digital Divide: Homeless Women Participate in Internet Life." (2007)
- \*Lisa Kramer, Ph.D. committee chair, Sociology. "Prostitution: Why Women Enter, What They Experience Emotionally, and How They Use Substances to Cope" (2006)

**Masters Committees Northeastern University**

Nickolas Faynshteyn, first reader, Sociology

**Masters Committees Arizona State University (\*Completed)**

- \*Elizabeth Kurtz, Master's thesis committee member, "Bouncing Back: Methods for Measuring Community Resilience in Disaster Management" (2015)
- \*Carolyn Crouch, Master's thesis committee chair, "Community Food Resource Mapping in Central City South, Phoenix: An Exploratory Study of Community Capacity Building" (2011)
- \*Cory Sanchez, Master's thesis committee member, "Vulnerability of the Homeless Population to Extreme Heat" (2011)
- \*Danielle Bray, Master's thesis committee member, "Enforcing the Law, Enforcing the Border: The Minuteman Movement and the Public Debate about Illegal Immigration" (2008)
- \*Jennifer Lane, Master's thesis committee member, "Freshman Academic Success Courses: An Evaluation with Focus on Team Teaching" (2006).
- \*Rachel Cummings, Master's thesis committee member, "Environmental Quality Formation: A Comparison of St. Louis and Phoenix" (2006)
- \*Lela Prashad (Department of Geological Sciences), Master's thesis committee member, "Urban Heat Island Connections to Neighborhood Microclimates in Phoenix, Arizona: Influences of Land Use and Social Variables on Temperature" (2004)
- \*Andrea Casir, Master's thesis committee member, "The Placement of Institutionalized Children for Adoption in Mexico" (2003)
- \*Fang Yang, Master's thesis chair, "Recent Trends in Occupational Segregation for White and Hispanic Women in the Greater Phoenix Area, 1983-1998" (2002)
- \*Daniel Hassell, Master's thesis chair, "Employment Outcomes for Vocational Rehabilitation Clients: Human Capital, Labeling and Disability" (2002)
- \*Rong Wong, Master's thesis committee member, "Internet Use and Gender Inequality at Work: A Cross-Sectional Analysis" (2002)
- \*Maureen O'Donnell, Master's thesis committee member, "Vulnerability in Phoenix: A Socio- Historical Analysis of Contamination Sites" (2002)

- \*Paula Walsh, Master's thesis committee member, "Defining Effective Tutoring: A Social Psychological Approach" (2001)
- \*Zhao Feng, Master's thesis committee member, "Educational Aspirations of Asian American Students" (2000)
- \*Rachel Durham, Master's thesis committee member, "Education and Occupational Expectations of High School Seniors: An Assessment of the Aspirational Process" (1999)

**Undergraduate Research Advisor Northeastern University (\*Completed)**

- \*Maggie O'Connor (Wellesley College), Faculty mentor, National Science Foundation Research Experience for Undergraduates (REU), Urban Water Innovation Network, "Pricing, Policies, and Perceptions: Understanding Water (un)Affordability in Chelsea, MA" (2019)
- \*Liz Mariluz, Faculty co-mentor, Northeastern University Co-operative Education Program, ROUTES Scholar, Research Opportunities for Undergraduates: Training in Environmental Health Sciences (2019)
- \*Fatuma Mohamed, Faculty mentor, Northeastern University Co-operative Education Program, ROUTES Scholar, Research Opportunities for Undergraduates: Training in Environmental Health Sciences (2018)
- \*Rachel Domond, Faculty mentor, Northeastern University Co-operative Education Program, ROUTES Scholar, Research Opportunities for Undergraduates: Training in Environmental Health Sciences (2017)
- \*David Ortiz (Beloit College), Faculty mentor, National Science Foundation Research Experience for Undergraduates (REU), Urban Water Innovation Network, "Making Pollution Visible Again in Chelsea, Massachusetts" (2017)
- \*Lauren Enright, Faculty mentor, Northeastern University Scholars Program, "Sanitation and Hygiene Education Initiatives in Singapore and Indonesia" (2017)

**Undergraduate Honors Theses and Research Projects Advisor, Arizona State University (\*Completed)**

- \*Mary Munoz, Capstone Co-advisor, Sustainability (2015)
- \*Brandon Ruiz, Faculty Mentor, Internship for Science-Practice Integration, Decision Center for a Desert City (2015)
- \*Nicole Scott, Honors thesis committee member, Anthropology (2014-2015)
- \*Amanda Burke, SHESC apprenticeship sponsor, Global Health (2012)
- \*Sarah Machacek, Honors thesis committee chair, "Design and Evaluation of a Garden-Based Curriculum to Teach Nutrition, Exercise and Sustainable Environment in Inner-City Schools" (2011)
- \*David Miles, Faculty advisor, Global Health capstone, "Community Gardening in South Central Phoenix" (2010)
- \*Garrett Bonillas, Honors thesis committee member, "Mining Towns in Transition: The Changing Dynamics of Arizona Copper Communities" (2008)
- \*Katrina Johnston, Faculty advisor, "The Reinvention of Shopping Malls as Community Centers," Undergraduate Research Assistantship Award from the School of Human Evolution and Social Change (2008)
- \*Genevieve Luikart (2006), Faculty advisor, National Science Foundation Research Experience for Undergraduates (REU)
- \*Mark Shen (2004), Faculty advisor, National Science Foundation REU
- \*Danielle Zeigler (2002) Faculty advisor, National Science Foundation REU
- \*Kimberly Ward Hart, Senior honors thesis committee member, "In Their Own Voices: Job Perceptions of the Juvenile Residential Care Worker" (2001)

## **PROFESSIONAL SERVICE**

American Sociological Association, Appointed Representative, Working group sponsored by the U.S. Global Change Research Program, Social Sciences Coordinating Committee. The Role of Social Science in Federal Climate Change Research 2016 - present.

U.S. Environmental Protection Agency, Subject Matter Expert for workshop and report on heat vulnerability and human health (2016-2018). Citation:

U.S. EPA. *Mapping the Vulnerability of Human Health to Extreme Heat in the United States (Final Report)*. U.S. Environmental Protection Agency, Washington, DC, EPA/600/R-18/212F, 2018. Access: <https://cfpub.epa.gov/ncea/risk/recordisplay.cfm?deid=341861>

International Journal of Biometeorology, Editorial Advisory Board, 2014-present.

Urban Climate and Heat Stress in Mid-Latitude Cities in View of Climate Change (UCaHS) research unit, Deutsche Forschungsgemeinschaft (German Research Foundation), Advisory Board Member, 2013-2015.

National Center for Atmospheric Research, Advisory Panel Member of the Research Applications Laboratory, 2010-2012.

American Sociological Association Task Force on Global Climate Change, Co-lead report author, “Insights from Social Theory and Empirical Studies of Inequality and Claims of Environmental Injustice” for the Task Force, 2010-2015.

National Science Foundation Long-Term Ecological Research Network, Science Council Member, 2010-2011.

### **Peer reviewer for the National Science Foundation**

Proposal reviewer: Sociology; Geological Sciences; Geography and Spatial Sciences; Decision, Risk and Management Science Programs (on-going); Review Panel for the Dynamics of Coupled Natural – Human Systems Program, March 2-4, 2010; Mid-Term Site Review Team Member, Baltimore Ecosystem Study Long-Term Ecological Research project, 2007

### **Peer reviewer for book manuscripts**

Temple University Press; SUNY Press; W.W. Norton; Polity

### **Peer reviewer for academic journals**

*American Sociological Review; American Journal of Sociology; Atmosphere; Climatic Change; Current Opinion in Environmental Sustainability; Environmental Research; Frontiers in Ecology and Environment; Gender & Society; International Journal of Environmental Research and Public Health; International Journal of Biometeorology; International Journal of Environmental Research and Public Health; International Journal of Health Geographics; Journal of Environmental Management; Journal of Environmental Planning and Management; Journal of Urbanism; Landscape and Urban Planning; Local Environment; PLOS ONE; Research in Social Problems & Public Policy; Science, Technology & Human Values; Sex Roles; Social Forces; Social Science & Medicine; Society and Natural Resources; Sociological Forum; Sociological Inquiry; Sustainability: Science, Practice, & Policy; Science of the Total Environment; The Social Science Quarterly; Urban Geography; Urban Studies*

### **Memberships**

American Sociological Association (ASA); ASA Section on Environment and Technology; American Geophysical Union

## **NORTHEASTERN UNIVERSITY SERVICE**

**Department of Health Sciences:** Chair (2019-present); Interim Chair (2018-2019); Associate Chair (2017-2018); Merit Review Committee (2017- 2018); MPH Curriculum/Student Committee (2017-2018); Chair, Faculty Search Committee (Quantitative Methods) (2016-2017); Appointments, Promotion and Tenure Committee (2016-2019); Population Health Ph.D. Admissions Committee (2016). **Department of Sociology & Anthropology:** Intellectual Events Committee (2016-2017); Promotion and Tenure Committee (2016-2019).

## **ARIZONA STATE UNIVERSITY SERVICE**

Executive Committee, Central Arizona – Phoenix Long-Term Ecological Research Project and Co- leader of Climate-Ecosystems-People Integrated Project Area (2010-2015); Leadership Council, Central Arizona – Phoenix Long-Term Ecological Research Project (2008-2009); Undergraduate Committee, School of Sustainability (2007-2008) – created degree requirements for new B.A./B.S. in Sustainability; Senator, School of Human Evolution and Social Change, Academic Senate (2005-2007); Academic Senate Committee on Committees (2006-2007); Faculty Development Program, Faculty Mentor (2006-2012); Graduates in Earth, Life and Social Sciences (GELSS) Research Symposium judge of student presentations (February 2004, February 2006); Graduate College Representative at Final Doctoral Defense (March 2000; June 2001); University Committee on Bachelor's in Interdisciplinary Studies, Organizational Studies (1999-2003)

**School of Human Evolution and Social Change:** Personnel Committee Chair (2013-2015); Member (2005-2006; 2011 – 2012); Member, Faculty Search Committee – target hire (2014); Chair, Faculty Search Committee – target hire (2013); Chair, Faculty Search Committee – target hire (2012); Executive Committee (fall 2007-spring 2009; spring 2010); Approach Head, Environment, Technology, and Society Faculty (fall 2007-spring 2009; spring 2010) – organize curriculum and represent interdisciplinary faculty in the School; Faculty Search Committee, Socio-cultural Anthropology (2010); Undergraduate Committee (2008-2010); Graduate Committee (2007-2008); Appeals Committee (2006-2007); Research Support Committee (2005-2006); Environmental Social Sciences Ph.D. Planning Group (2005-2007). **Department of Sociology:** Undergraduate Committee (1998 -2001); Personnel Committee (2000 - 2002); Survey Research Lab Policy Advisory Board (1998 - 2004); Chair, Survey Research Lab Policy Advisory Board (2002 -2003); Faculty Search Committee (2002 - 2003); Comprehensive Exam Committees on Stratification (1998 - 2002); Work and Organizations (2003 – 2004); Gender (1998 - 2001); Affirmative Action Representative (2000 - 2004)

## **COMMUNITY SERVICE**

### **Public Forum**

“Teaching Climate Change, Inspiring Action.” One-day public symposium co-sponsored with Boston Civic Media, Emerson College Engagement Lab and collaborator Sara Wylie. Held at Northeastern University in March 2017; attendance ~ 90).

### **Publication**

“People and Environment: Our Heat Habitat.” *Chain Reaction*, Volume 7, September 2012. 48 pages of Stories of Science and Learning from Arizona State University. A science magazine in print and online for students in grades 4-8 published by the Office of Knowledge Enterprise Development, Arizona State University, Diane Boudreau (ed.). Features the work of scientists on my Urban Vulnerability to Climate Change project and funded by NSF GEO-0816168. <http://chainreactionkids.org/> (pdf)

### **Invited Lectures for Public Audiences** (since 2005)

“Public Health Concerns.” Regional Climate Summit for Municipal Leaders: Economic, Health, Water &

- Transportation Impacts.” CLIMAS, University of Arizona. Tucson, AZ. November 14, 2013.
- “Heat and Vulnerable Populations: People and Places in Central Arizona Desert Cities.” Maricopa Department of Public Health. *Epi Presents!* Seminar series. Phoenix, AZ. October 16, 2013.
- “Heat Stress and Vulnerable Communities in Phoenix: Temperature, Place and People.” Heat-Relief Network Annual Kick-Off Meeting. Phoenix, AZ. May 17, 2013.
- “Urban Heat Island: Impacts on Urban Form and Communities.” Climate Webinar Series: Western Lands and Communities. Lincoln Institute of Land Policy – Sonoran Institute Joint Venture. April 25, 2012.
- “Environmental Injustice in a Desert City: Green Spaces, Heat, and Social Inequality.” Arid Low Impact Development Conference: Green Infrastructure and Low Impact Development in Arid Environments. Tucson, AZ. March 27-29, 2012.
- “Climate Change: A Challenge for Central City South.” S.L. Harlan and T. Halperin. Board of Directors, Phoenix Revitalization Corporation. Phoenix, AZ. September 28, 2011.
- “Heat Stress and Vulnerable Communities in Phoenix, Arizona: Temperature, Place and People.” Urban Heat Island: Linking Science, Society and Technology. Professional Development Workshop for Middle School Teachers, Global Institute of Sustainability, Arizona State University. July 7, 2011.
- “Heat Stress and Vulnerable Communities in Phoenix: Temperature, Place, and People.” Phoenix Heat / Health Workshop, sponsored by University of Michigan and ICLEI (Local Governments for Sustainability). February 22, 2011.
- “Urban Heat-Related Mortality and Morbidity.” Presented at the CHiR-Arizona HealthQuery Stakeholder Meeting, Center for Health Information and Research, Arizona State University, Phoenix, AZ. January 24, 2011.
- Harlan, S.L. and W. Bannister. “Urban Vulnerability to Climate Change: A System Dynamics Analysis.” Presented at Arizona Health Query (AZHQ) Data Partners Meeting, Center for Health Information and Research, Arizona State University, Phoenix, AZ. January 12, 2009.
- “Urban Heat Island, Urban Forestry, and Human Health in Desert Cities.” Presented at the 17<sup>th</sup> Annual Desert Horticulture Conference, University of Arizona, Tucson, AZ, May 16, 2008.
- “Human-Ecosystem-Climate Interactions: Neighborhoods, Landscapes, and Extreme Heat.” Presented at the 3<sup>rd</sup> Annual Urban Heat Island Workshop: Human Health and Urban Form sponsored by the City of Tucson and University of Arizona, Tucson, AZ, May 15, 2008.
- “Household Water Consumption in an Arid City: Affluence, Affordance, and Attitudes.” Presented at *First Thursdays*, Winslow | Orcutt Architects, Phoenix, AZ. December 6, 2007.
- “Neighborhood Microclimates and Vulnerability to Heat Stress.” Presented to the City of Phoenix



Urban Heat Island Task Force, Phoenix, AZ. September 11, 2006.