

Michelle H. LEE

Indiana University, O'Neill School of Public and Environmental Affairs
SPEA 441, 1315 E. Tenth Street
Bloomington IN 47405-1701

Cell: (734) 730-8617
Email: michlhw@indiana.edu

Education	<p>Indiana University-Bloomington Ph.D. Public Affairs, expected Summer 2021 <i>Major Field:</i> Policy Analysis <i>Minor Field:</i> Behavioral Psychology in Energy Issues <i>Committee:</i> Maureen Pirog (chair), Justin Ross, Seth Freedman, Jennifer Silva, Ron Shadbegian <i>Dissertation:</i> “Evaluating the Efficacy of Institutions on Human Behavior”</p> <p>University of Michigan M.S. Environmental Policy, May 2012 <i>Thesis:</i> Analyzing the Influence of Major Actors in China to Predict Future Chinese Renewable Energy Policy Trends <i>Thesis Advisor:</i> Ming Xu</p> <p>University of Michigan B.A. Economics, May 2010 <i>Minor Field:</i> Environmental Science</p>
Research Interests	Energy policy & public health, Consumer behavior & psychology of resource use, Environmental justice & equality, Research design & methodology, Policy choice & analysis.
Teaching Interests	Energy policy, Environmental justice and equality, Research design and methodology.
Publications	<p>Lee, M.H. & Clark, A., 2020. “Partisanship Does Not Tell the Full Story: The Complexities of Public Opinion and Fracking in the United States.” <i>Energy Research & Social Science</i> (70): 101686.</p> <p>Lee, M.H., Graham, J.D., Clark, A., Rupp, J.A., & Weitelman, D.C. 2019. “Public Opinion towards Hydraulic Fracturing: The Effect of Beyond Compliance and Voluntary Third-Party Certification.” <i>Energy Policy</i> (128): 306-315.</p> <p>Schenk, O., Lee, M.H., Paydar, N.H., Rupp, J.A. & Graham, J.D. 2014. “Unconventional Gas Development in the U.S. States: Exploring the Variation.” <i>European Journal of Risk Regulation</i> (4): 436-458.</p>
Works in Progress	<p>Lee, Michelle H. “Do Labor Unions Increase Uptake of Occupational Health Screening Services? Evidence from the Coal Workers’ Health Surveillance Program.” (Job Market Paper)</p> <p>Lee, Michelle H. “Not All Medical Marijuana Laws are Equal: Evaluating Birth Health Outcomes.”</p> <p>Lee, Michelle H. “Public Opinion and Trust in Institutions in a Purple State—Implications for Shale Gas Governance in Colorado.”</p> <p>Lee, Michelle H., Evans, David A., & Shadbegian, Ron. “Did the Clean Air Act lead to the Increase in the Incidence of Black Lung Disease? Evidence from Appalachia.”</p>

	<p>Lee, Michelle H., Evans, David A., & Shadbegian, Ron. “Labor Market Effects of the Clean Air Act in the Appalachian Coal Mining Industry.”</p> <p>Lee, Michelle H., Lennex, Robert. & Hendryx, Michael S. “Evaluating the Effect of Distance to Healthcare Facilities on Participation Rate in Health Screening Programs.”</p>
Other Publications	<p>Lee, M.H., Schenk, O. & Graham, J.D. “Interstate Variation in the Extent of “Fracking” for Natural Gas: Insights from Public Opinion Research”. <i>SPEA Insights. School of Public and Environmental Affairs, Indiana University</i>. September 2014. (Available online at https://oneill.indiana.edu/doc/research/working-groups/graham_lee_schenk_fracking.pdf)</p>
Media Citations & Interviews	<p>“Pennsylvania Fracking Politics Are More Complicated Than They Seem,” Sierra, October 28, 2020 (Available online at https://www.sierraclub.org/sierra/election-2020/pennsylvania-fracking-politics-are-more-complicated-they-seem?utm_source=twitter&utm_campaign=sierramag&utm_medium=social)</p>
Conference Presentations	<p>“Drilling Down on Public Opinion on Fracking in Colorado—a Latent Class Approach” 2018. Midwest Political Science Association Conference. Chicago, IL.</p>
Additional Training and Research Skills	<p>Inter-university Consortium for Political and Social Research (ICPSR), University of Michigan, 2019 Survey Construction Project Leader, Colorado Shale Gas Research, 2016 Survey Construction Coordinator, Ten States Shale Gas Research, 2014</p>
Grant Writing Experience	<p>Grant Writer: Lee, Michelle H. & Hendryx, M.S. “Evaluating the Effect of Distance to Healthcare Facilities on Participation Rate in Health Screening Programs.” Indiana University Social Science Research Commons. \$14,253 (awaiting decision).</p> <p>Grant writer: Lee, Michelle H. & Shadbegian, Ron. “Understanding Participation in Black Lung Disease Screening among U.S. Coal Miners.” Social Security Administration (via University of Wisconsin- Madison Center for Financial Security). \$143,091. Not funded. Declined during second-level review.</p> <p>Grant writer: Lee, Michelle H. “Making Sustainable Energy Policies Count—Modelling Consumer Behavior.” Indiana University Sustainability Research Development Grant. \$5,000</p>
Research Experience	<p>Researcher: U.S. Environmental Protections Agency, Office of Policy, National Center for Environmental Economics, Summer 2018 – Summer 2019 Coordinated by Dr. Ron Shadbegian, EPA NCEE Research collaboration with Drs. Ron Shadbegian and Dave Evans on impacts of Clean Air Act Regulations on domestic coal production and shifting incidence rates of Coal Miners’ Pneumoconiosis (Black Lung).</p> <p>Research Assistant: Shale Gas Group, Fall 2014 – Fall 2019 Coordinated by Dr. John Graham, O’Neill School-Indiana University. Assisted in crafting and analyzing results from two public opinion surveys on fracking.</p> <p>Strategic Planning Researcher: National Climate Change Secretariat, Prime Minister’s Office, Republic of Singapore, June – August 2011 In charge of a research project on the possibilities of developing geothermal energy in Singapore to complement research done by the Economic Development Board and the Ministry of Trade and Industry. Presented findings to the directors and Permanent Secretary.</p>

Climate Change Researcher: Ministry of Environment and Water Resources, Republic of Singapore, Fall 2010

Led a project on Singapore's climate change response strategies to complement independent assessment studies, and supported preliminary studies on the vulnerabilities of Southeast Asia to climate change for submission of ASEAN Cooperation Project Document.

Researcher: Deutsche Corporate Finance GmbH, Recklinghausen, Germany, Fall 2009

Assessed feasibility of harvesting geothermal energy in rural portions of China and presented findings to potential German business partners and associates during board meeting.

Research Assistant: International Forestry Resources Institution, Summer 2008

Coordinated by Dr. Arun Agrawal, SEAS— University of Michigan

Aided research team in analyzing decentralization of forest management processes in India.

Teaching
Experience

SPEA K-300 Statistics (Fully online) – Instructor of Record

As the instructor of record, I brought the course fully online to accommodate students living in different time zones. This incorporated the use of a “flipped” classroom and heavier emphasis on “in-class” exercises to continue engaging upper-level undergraduate students in statistical concepts and techniques for application in academic and practical settings.

Instructed Fall 2020

SPEA K-300 Statistics – Instructor of Record

As the instructor of record, I constructed a new syllabus that integrated technology and online-learning to teach statistical concepts and techniques to upper-level undergraduate students for application in academic and practical settings.

Instructed Fall 2019 & Spring 2019

SPEA K-300 Statistics – Co-Instructor

Joint instructor with Dr. Henry Wakhungu teaching statistical concepts and techniques to upper-level undergraduate students for application in academic and practical settings.

Instructed Spring 2018

SPEA E-162 People and the Environment – Instructor of Record

As the instructor of record, I created a new undergraduate syllabus that explores interdisciplinary problems of population, pollution, and natural resources together with their implications for society.

Instructed Fall 2016, Spring 2017, Fall 2017 & Fall 2018

Honors and
Awards

Bunchana Atthakor Scholarship, 2019 \$4,000

Competitive scholarship that grants one or two scholarships per year to full-time Thai or ASEAN graduate student majoring in business, public affairs, or economics.

Duck Family Graduate Workshop in Environmental Politics & Governance, 2019

Hosted by University of Washington, received full scholarship to present fracking research.

Best Environmental Policy Paper Award, 2018

Association of O'Neill Ph.D. Students Conference, Indiana University.

O'Neill School of Public and Environmental Affairs Fellowship, Fall 2017 & Spring 2018 \$5,000

Fellowship award for continued research.

International School on Energy Systems (ISES), 2017

Hosted by Forschungszentrum Jülich, received full scholarship to international program on energy infrastructure and technology.

SPEA Summer Research Fellowship, 2015 – 2017 \$3,000

Fellowship award for continued research.

EnergyPath, 2016

Participated in conference, exposition and camp on emerging technology and business for the state of Pennsylvania on full scholarship worth \$1,600.

IndianaView Consortium Scholarship, 2015 \$1,000

Scholarship award for research on fracking and implications on private property values.

Rackham Graduate Student Research Grant, 2011 \$2,000

Proposal entitled: Geothermal Energy Potential in Xi'an, China.

Marshall Weinburg Fellowship, 2011 \$3,150

Proposal entitled: Geothermal Energy Potential in Xi'an, China.

Professional
Service

Referee, *Energy Policy*, 2019 – Current

Vice President, Association of O'Neill Ph.D. Students, Indiana University, 2018 – 2019

Served as AOPS executive board member.

External Reviewer, CARI Colloquium, Indiana University, 2018

Served as external reviewer to an undergraduate writing a senior thesis that was expected to take the form of a standard social science journal article manuscript.

Co-organizer, SPEA Environmental Policy Workshop, 2014 – 2016

Lead in the development of the multi-disciplinary Workshop to allow faculty, external academics and students discuss research ideas, present preliminary findings on on-going work, and to support the professional development of SPEA Environmental Policy PhD students.

Organizer, 12th Western Economics Association International (Singapore), 2015

Coordinated with WEAI and Dr. Maureen Pirog to organize four international panels on social, energy and environmental economics.

Co-organizer, Southeast Asia: Between the Lines (Ann Arbor, Michigan), 2011

Co-organizer of the first University-recognized conference bringing together researchers on Southeast Asian issues.

Co-organizer, Conference of Parties-16 (Cancun, Mexico), 2011

Initiated awareness event and fund-raising for masters students to attend COP-16. Led a group of students from the University of Michigan to attend as conference observers.

Professional
Memberships

Midwestern Political Science Association
Association of Public Policy Analysis and Management

Language and
Skills

Chinese (fluent), Cantonese (conversational), German (conversational), English (fluent)
ArcGIS, R, Stata

References

Maureen Pirog

**Rudy Professor Emeritus of
Policy Analysis**
Indiana University-Bloomington
O'Neill School of Public and
Environmental Affairs
pirog@indiana.edu
+1 (812) 855-4944

Justin Ross

Associate Professor
Indiana University-Bloomington
O'Neill School of Public and
Environmental Affairs
justross@indiana.edu
+1 (812) 856-7559

Jennifer Silva

Assistant Professor
Indiana University-Bloomington
O'Neill School of Public and
Environmental Affairs
jensilv@indiana.edu
+1 (812) 856-4647

John Graham

Professor
Indiana University-Bloomington
O'Neill School of Public and
Environmental Affairs
grahamjd@indiana.edu
+1 (812) 855-3933

Ron Shadbegian

Professor
San Diego State University
College of Arts & Letters,
Department of Economics
rshadbegian@sdsu.edu
+1 (508) 471-0106

Seth Freedman

Associate Professor
Indiana University-Bloomington
O'Neill School of Public and
Environmental Affairs
freedmas@indiana.edu
+1 (812) 856-7559

Michael Hendryx

Interim Chair, Department of Epidemiology
and Biostatistics
Professor, Department of Environmental and
Occupational Health
School of Public Health
Indiana University-Bloomington
hendryx@indiana.edu
+1 (812) 856-8875

Henry Wakhungu

Senior Lecturer
(Reference for Teaching)
Indiana University-Bloomington
O'Neill School of Public and
Environmental Affairs
hewakhun@indiana.edu
+1 (812) 855-9820