

# Michelle Hung Wai LEE

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## **ACADEMIC HISTORY**

**PhD. Public Affairs, O'Neill School of Public and Environmental Affairs, Indiana University**  
**Expected Fall 2021**

*Major Field:* Policy Analysis

*Minor Field:* Behavioral Psychology in Energy Issues

Committee: Maureen Pirog (chair), John D. Graham, Justin Ross, Seth Freedman, Ron Shadbegian.

Dissertation: *Evaluating the Efficacy of Institutions on Human Behavior; Three Essays*

**M.S. Environmental Policy, School for Environment & Sustainability, University of Michigan**  
**May, 2012**

*Thesis:* Analyzing the Influence of Major Actors in China to Predict Future Chinese Renewable Energy Policy Trends

*Thesis Advisor:* Ming Xu

**B.A. Economics, College of Literature, Science and the Arts, University of Michigan**      **May, 2010**  
*Minor Field:* Environmental Science

## **PUBLICATIONS**

Lee, M.H. & Clark, A., 2020. Partisanship does not tell the full story: The complexities of public opinion and fracking in the United States. *Energy Research & Social Science*, 70, p.101686.

Lee, M. H., Graham, J.D., Clark, A., Rupp, J.A., Weitelman, & Derek.C. 2019. "Public Opinion towards Hydraulic Fracturing: The Effect of Beyond Compliance and Voluntary Third-Party Certification." *Energy Policy* (128): 306-315.

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." *European Journal of Risk Regulation*. (4):436-458.

## **WORK IN PROGRESS**

Lee, Michelle H. "Do Unions Enhance Participation in Healthcare Screening? Evidence from the Coal Mining Industry."

Lee, Michelle H. "Public Opinion and Trust in Institutions in a Purple State—Implications for Shale Gas Governance in Colorado."

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."

Lee, Michelle H., Evans, David A., & Shadbegian, Ron. "Labor Market effects of the Clean Air Act in the Coal Mining Industry. Evidence from Appalachia."

Lee, Michelle H., Lennex, Robert. & Hendryx, Michael S. "Evaluating the Effect of Distance to Healthcare Facilities on Participation Rate in Health Screening Programs."

## **PRESS**

Lee, M. H., Schenk, O. and Graham, J.D. “Interstate Variation in the Extent of “Fracking” for Natural Gas: Insights from Public Opinion Research”. *SPEA Insights. School of Public and Environmental Affairs, Indiana University*. September 2014. (Available online at [https://spea.indiana.edu/doc/research/graham\\_lee\\_schenk\\_fracking.pdf](https://spea.indiana.edu/doc/research/graham_lee_schenk_fracking.pdf))

## **CONFERENCE AND RESEARCH PRESENTATIONS**

**Midwest Political Science Association Conference** **2018**  
“Drilling down on public opinion on fracking in Colorado—a latent class approach”

## **ADDITIONAL TRAINING AND RESEARCH SKILLS**

**Inter-university Consortium for Political and Social Research (ICPSR), U of Michigan** **2019**  
**Survey Construction Project Leader, Colorado Shale Gas Research** **2016**  
**Survey Construction Coordinator, Ten-States Shale Gas Research** **2014**

## **GRANT WRITING EXPERIENCE**

Grant writer: Lee, Michelle H. and Shadbegian, Ron. “Understanding Participation in Black Lung Disease Screening among U.S. Coal Miners.” Social Security Administration (through University of Wisconsin-Madison Center for Financial Security). \$143,091. Not funded.

## **RESEARCH EXPERIENCE**

**Researcher: U.S. Environmental Protections Agency** **Summer 2018 – Summer 2019**  
**Office of Policy, National Center for Environmental Economics**  
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).

**Research Assistant: Shale Gas Group** **Fall 2014 – Present**  
Coordinated by Dr. John Graham, O’Neill School-Indiana University.  
- Assisted in crafting and analyzing results from two public opinion surveys on fracking.

**Research Assistant: Energy Modeling Group** **Fall 2014 – Fall 2016**  
Coordinated by Drs. Sanya Carley, Barry Rubin, Kenneth Richards, O’Neill School- Indiana University.  
- Supported building an econometric model for Indiana’s energy consumption, liaised with fellow energy system modelers at other public and private organizations.

**Strategic Planning Researcher: National Climate Change Secretariat,** **June – August 2011**  
**Prime Minister’s Office, Republic of Singapore**  
- In charge of a research project on the possibilities of developing geothermal energy in Singapore to complement research done by the Ministry of Trade and Industry and the Economic Development Board. Presented findings to the directors and Permanent Secretary.

**Climate Change Researcher: Ministry of Environment and Water Resources, Republic of Singapore** **Fall 2010**  
- Led a project focused 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 understanding decentralization of forest management processes in India.

## **TEACHING EXPERIENCE**

**SPEA K-300 Statistics –Instructor of Record** **Spring 2019**

- 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 & Fall 2020 (fully online)

**SPEA K-300 Statistics - Co-Instructor** **Spring 2018**

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

**SPEA E-162 People and the Environment – Instructor of Record** **Fall 2016- Fall 2018**

- As the instructor of record, I constructed 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

## **RESEARCH INTERESTS**

Energy policy, 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.

## **HONORS AND AWARDS**

**Bunchana Atthakor Scholarship** *\$2,000 awarded, matched \$2,000 by Office of International Services* **2019**

- 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 and Governance** **2019**

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

**O’Neill School of Public and Environmental Affairs** **2018**

- ASPS Conference Best Environmental Policy Paper Award.

**O’Neill School of Public and Environmental Affairs Fellowship** *\$5,000 awarded* **Fall 2017, Spring 2018**

- 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** *\$3,000 awarded* **2015-2017**  
 - Fellowship award for continued research.
- EnergyPath 2016** **2016**  
 - Participated in conference, exposition and camp on emerging technology and business for the state of Pennsylvania on full scholarship worth \$1,600.
- Indiana University Sustainability Research Development Grant** *\$5,000 awarded* **2015**  
 - Grant awarded for research on energy model development and refinement.
- IndianaView Consortium Scholarship** *\$1,000 awarded* **2015**  
 - Scholarship award for research on fracking and implications on private property values.
- Rackham Graduate Student Research Grant** *\$2,000 awarded* **2011**  
 - Proposal entitled: Geothermal Energy Potential in Xi'an, China.
- Marshall Weinburg Fellowship** *\$3,150 awarded* **2011**  
 - Proposal entitled: Geothermal Energy Potential in Xi'an, China.

### **PROFESSIONAL SERVICE**

- Vice President, Association for SPEA Ph.D. Students (ASPS), Indiana University** **2018-2019**  
 - Served as ASPS 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, 12<sup>th</sup> Western Economics Association International (WEAI) (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