

DR. SHANTI GAMPER-RABINDRAN

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POSITION

Associate Professor with tenure, University of Pittsburgh, 2013-
Graduate School of Public and International Affairs (primary)
Department of Economics (secondary)
Assistant Professor, 2005-13

Carnegie Mellon University
Department of Engineering and Public Policy
Visiting Associate Professor. F2014, Visiting Assistant Professor 2011-12

Arava Institute for Environmental Studies
Bley Stein Visiting Professor, May 2014

Environmental Protection Agency, consultant, 2011
World Bank, project assistant, summer 1994
Human Rights Watch, intern, summer 1996

FIELDS

Environmental, Energy, Health and Development Economics & Policy
Applied Econometrics, Program Evaluation & Geographical Information Systems

EDUCATION

Ph.D. Economics, Massachusetts Institute of Technology, 2001
Essays in Empirical Environmental Economics
Thesis Committee: Dora Costa, Steve Pischke, Peter Timmer

M. Sc. Environmental Management, Oxford, 1999
Rhodes Scholar

B.A. Jurisprudence, Oxford, 1996
Rhodes Scholar

B.A. Economics and Environmental Science & Public Policy, 1994
Harvard, *summa cum laude*, Phi Beta Kappa

International Baccalaureate, 1990
United World College Adriatic, Italy

**AWARDS
& HONORS**

\$500,000 in grants from the National Science Foundation, National Institutes of Health, and the Environmental Protection Agency

Pitt Faculty Fellow for Sustainability, 2017
Bley Stein Visiting Professorship, May 2014
Faculty research semester, University of Pittsburgh, 2009

American Association of Geographers, Best Thesis, co-winner, 2002
Assn. of Public Policy Analysis & Mgt, Best Thesis runner-up, 2001
Martin Fellow for Sustainability, MIT, 2000
MIT, Harvard, and United World College Scholarships
Semi-finalist, Fulbright Scholar Program, 2014, 2017

Nominated for the University Educator Award from the Carnegie Science Center, 2015
Nominated for the Sustainability Award for from the University of Pittsburgh for faculty contributions, 2015

PUBLICATIONS: Peer-reviewed edited book

S. Gamper-Rabindran (ed.) *The Shale Dilemma: A Global Perspective on the Political, Economic, and Scientific Issues Surrounding Fracking and Shale Development*. University of Pittsburgh Press, 2017

PUBLICATIONS: Journal articles

1. K. Neville, Jennifer Baka, Shanti Gamper-Rabindran, Karen Bakker, Stefan Andreasson, Avner Vengosh, Alvin Lin, Jewellord Nem Singh, and Erika Weinthal. Debating unconventional energy: social, political and economic implications, *Annual Review of Environment and Resources*, 2017
2. S. Gamper-Rabindran. Information collection, access and dissemination for evidence-based shale policies. *Energy Technology*, 2(12): 2014:977-987
DOI:10.1002/ente.201402114.
3. S. Gamper-Rabindran and C. Timmins. Does cleanup of hazardous waste sites raise housing values? Evidence of spatially localized benefits. *Journal of Environmental Economics and Management*, 65 (3) 2013: 345-360.

Research results were presented in a Congressional testimony by the Assistant Administrator, Environmental Protection Agency to the Committee for Transportation and Infrastructure, U.S. House of Representatives, March 28, 2012.

4. S. Finger and S. Gamper-Rabindran. Mandatory disclosure of plant emissions into the environment and worker chemical exposure inside plants. *Ecological Economics*, 87, 2013: 124-136.

5. S. Finger and S. Gamper-Rabindran. Testing the effects of self-regulation on industrial accidents. *Journal of Regulatory Economics*, 43(2) 2013:115-146
6. S. Gamper-Rabindran and S. Finger. Does self-regulation reduce pollution? Responsible Care program in the chemical industry. *Journal of Regulatory Economics*, 43(1) 2013: 1-30.
7. S. Gamper-Rabindran and C. Timmins. Hazardous waste cleanup, neighborhood gentrification, and environmental justice: Evidence from restricted access census block data. *American Economic Review Papers and Proceedings*, May 2011.
8. S. Gamper-Rabindran, S. Khan and C. Timmins. The impact of piped water provision on infant mortality in Brazil: A quantile panel data approach. *Journal of Development Economics* 92(2) 2010: 188-200.
National Bureau of Economic Research working paper 14365, 2008.
9. S. Gamper-Rabindran. Did the EPA's voluntary Industrial Toxics program reduce plants' emissions? A GIS analysis of distributional impacts and a by-media analysis of substitution. *Journal of Environmental Economics and Management* 52(1) 2006: 391-410.
10. S. Gamper-Rabindran. NAFTA and the environment: What can the data tell us? *Economic Development and Cultural Change* 54(3) 2006: 605-633.
11. R. Godoy, D. Karlan, S. Rabindran, T. Huanca. Do modern forms of human capital matter in primitive economies? Comparative evidence from Bolivia *Economics of Education Review* 24(1) 2005: 45-53.

PUBLICATIONS: Book chapters in Gamper-Rabindran (ed.) *The Shale Dilemma*

12. Introduction
13. Chapter 2: United States Mixed Fortunes: The Risks and Rewards of Developing Shale Gas
14. Chapter 3: United States: Should Benefits and Costs be Spread More Evenly? Political Battles over Local Government Powers, Taxation, Regulation, and Disclosure
15. Chapter 11: Conclusion: How and Why Countries Decide on Shale, and How They Can Make Better Decisions

PEER-REVIEWED RESEARCH REPORT

16. S. Gamper-Rabindran and C. Timmins. Valuing the benefits of Superfund site remediation: Three approaches to measuring localized externalities. Environmental Protection Agency, January 2011.
Related paper: S. Gamper-Rabindran, R. Mastromonaco and C. Timmins, National Bureau of Economic Research WP no.16655, 2011.

WORKING PAPER

17. S. Finger and S Gamper-Rabindran. Voluntary versus mandatory standards: Protecting workers from adverse chemical exposure. Center for Industry Studies WP # 36, 2012.
18. S. Gamper-Rabindran. Impact of Medicaid eligibility restrictions on immigrants' prenatal care use: A geographical analysis.

GRANTS EXTERNAL

Total \$500,000

1. National Science Foundation
Co-PIs: Gamper-Rabindran and Finger
Industry self-regulation in the chemical manufacturing sector
\$228,000. August 2011-14 SES 1127223
2. National Science Foundation
Sole PI: Gamper-Rabindran
Program evaluation of voluntary pollution reduction programs
\$100,000. January 2004-7 BCS 0351058
3. National Institutes of Health
Sole PI: Gamper-Rabindran
Medicaid restrictions and immigrant health: GIS Analysis
\$140,000 November 2004-9 HD 48791-01
4. Environmental Protection Agency
Co-PIs: Gamper-Rabindran and Timmins
New methods to assess benefits from Superfund remediation
2009-10 RFQ-DC-09-00265

GRANTS
INTERNAL

Conference grants

\$35,000 per year for two international conferences at the University of Pittsburgh from the Center of International Studies, EU Center for Excellence, Center for Urban Studies, Center for Sustainability Innovation, Center for International Legal Education, Center for International Business

Student support \$103,500

1. Mascaro Sustainability Fellowship, 2017, \$25,000
2. Central Research Development Fund, 2008-10; 2011-13, \$26,000
3. Central Research Development Fund, 2013-15, \$16,000 (joint with A. Beresteanu)
4. Center for Social & Urban Research, 2006-7, 2010-11, \$20,000
5. Center for Race and Social Problems, 2009-10, \$10,000
6. Center for Latin American Studies, 2009-10, \$4,000
7. Global Studies, 2012, \$2,500

GRANTS
OTHER

1. European Commission, 2009
2. European Union Center for Excellence, 2009-2017
3. University Center for International Studies, 2010-2017
4. Center for Industry Studies, 2010-14, 2016

ACADEMIC AND POLICY OUTREACH

International conferences organized at the University of Pittsburgh

Managing Environmental Risks in the Shale Industry: Comparison of Policies Worldwide, 2015
Presenters are country-experts on shale gas development in US, China, South Africa, Argentina, Poland, UK, Germany and France.

Energy and Environment: Comparative Policies in the US and the EU, 2014
Presenters on shale gas development are analysts from the European Commission and the Environmental Protection Agency and academics from the UK, Germany and the US.

Scientific workshops – presenter or discussant

1. Plenary Speaker, Italian Association of Environmental and Resource Economists, annual meeting, February 2017
2. NSF-NERC US-UK workshop on Unconventional Hydrocarbons, Nov. 2015
3. Chinese Economics Society, Shenzhen, May 2016, presenter
3. Shale Workshop, Sichuan University – Natural Resource Defense Council, Nov 2015, presenter
4. Social, Economic and Psychological Costs of Contamination,

National Institute of Environmental Health Sciences and Brown University
Superfund Research, May 2012, presenter

Presentations at workshops for academics, policy or/and business community

1. Renewable Energy and Sustainable Development, Univ. Pittsburgh, December 2016
2. Climate Change Conference, Duquesne University, October 2015
3. Unconventional Hydrocarbons, Carnegie Mellon University, 2015
4. Alliance for Research on Corporate Sustainability Conference, UC Berkeley Haas Business School, April 2013
5. Voluntary Pollution Control Programs, Environmental Protection Agency and Ohio State University, May 2012.

Presentations at professional meetings

1. World Congress of Environmental and Resource Economists, 2010, 2014
2. Association for Environmental and Resource Economists (AERE) meetings/workshops, 2002-5, 2007, 2008, 2011, 2012
3. European Association for Environmental and Resource Economists (EAERE) meetings, 2009, 2011, 2012, 2013, 2015
4. American Economic Association (AEA), Denver, 2011
5. Association of Public Policy and Management, 2005, 2008-11, 2012
6. Environmental Economics workshop, UC Santa Barbara, 2007, 2009, 2010
7. European Union Conference on Corporate Social Responsibility, Berlin, 2009

Invited seminars

2017: Technical University of Munich (scheduled)

2016: Massachusetts Institute of Technology, Imperial College London, University of Munich-CES-Ifo, Univ Rome III,

2015: University of Munich-CES-Ifo

2014: University of Munich-CES-Ifo, Porter School of Environmental Studies Tel Aviv University, Jerusalem Business School, American University

2013: ParisTech Institute of Innovation, Kelley School of Business Indiana University, University of Michigan Erb Institute – Ross School of Business

2012: RAND, Carnegie Mellon University, Boston University School of Management

2011: Resources for the Future, Georgetown, ETH Zurich, University of Venice, University of Milan-Bocconi (via webinar), Scottish Institute for Research in Economics – University of Edinburgh/Stirling, Cornell Dyson School of Management

- 2010: Harvard Kennedy School of Government, University of Rome Tor Vergata, Free University Amsterdam, University of Wisconsin-Madison, Carnegie Mellon University-University of Pittsburgh-RAND
- 2009: Maxwell School at Syracuse University, Free University of Berlin
- 2008: School of Public and Environmental Affairs, Indiana-Bloomington
- 2006: Yale School of Forestry and Environmental Studies
- 2005: Yale School of Forestry and Environmental Studies, Bren School of the Environment, University of Texas at Austin, Triangle Health Workshop,
- 2004: Harvard Kennedy School of Government, Columbia University, NYU Wagner School, University of Washington at Seattle, RAND
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TEACHING

Development and Implementation of New Major in Energy and Environment, 2012-

Lead faculty member. Design and teach courses (Global Energy Policy and Global Environmental Policy), research output (see publications), outreach for research (organizing international conferences), consult with potential employers, collaboration with multi-disciplinary faculty members from across the university.

Courses – Graduate-level economics-based policy courses for the Schools of Public Policy, Public Health, Engineering and Law

1. Global Environmental Policy
F2005, F2007, F2008, S2011, S2013, S2014, S2015
2. Global Energy Policy
F2013, S2016, S2017
3. Global Health Policy
S2006, S2008, S2009, S2010, S2011, S2013, S2014, F2015
4. Development Economics and Policy
S2006, S2008, S2009, S2010, F2012, S2015, S2016, S2017, F2017
5. Global Economy
F2012, F2016, F2017
6. Sustainability
F2017

Ph.D. students

Thesis committee member, Department of Economics, University of Pittsburgh
Sunita Mondal, Evaluation of public policy programs
Assistant Professor, University of Pittsburgh-Greensburg
Wei Wang, Health care utilization and provider reimbursement in urban China

Post-doctoral Fellow, Stanford University East Asian Studies

Research assistants supported with research grants

Nabanita Nandi, Assistant Professor, SUNY Plattsburgh

Shikha Basnet, Assistant Professor, Washington and Lee University

Monica Jacobo, Faculty, Centro de Investigación y Docencias Económicas, Mexico

PROFESSIONAL SERVICE

Professional service at-large

Program Committee, Association for Environmental and Resource Economists annual conference, 2011, 2012

Program Committee, European Association for Environmental and Resource Economists annual conference, 2011

Organized panels at the Association of Public Policy Analysis and Management meetings, 2005, 2008, 2011, 2012

Organized panel on Energy and Environment, European Association for Environmental and Resource Economists annual conference, 2013, 2015

Organized panel on Shale Policies, World Congress of Environmental and Resource Economists, 2014

Media contribution

Gamper-Rabindran, S. Pennsylvania's Supreme Court Rightly Rules for Transparency, *Pittsburgh Post-Gazette*, Oct. 4, 2016

Inside Energy documentary on coal.

Prepared fact sheets responding to questions posed by documentary producer. May 2016

Professional service at the University of Pittsburgh

Faculty member, Provost Task Force on Sustainability, 2014-

Enhance U-Pitt's national stature in sustainability research, education and outreach.

Design university-wide undergraduate and graduate Certificate in Sustainability which enhances students' skills in both science and social sciences and service-learning experiences to address sustainability challenges.

Advice on faculty lines, research support and incentive programs to enhance Pitt's multidisciplinary sustainability research.

Teach Global Energy Policy, Global Environment Policy, Sustainability, two courses designed for students from across disciplines.

Faculty member, University-wide Global Health Certificate program, 2005-present

Designed and taught the required economics and policy course for graduate students from the Schools of Law, Public Health, Medicine, and Public Policy

Faculty Affiliate, Center for Industry Studies, 2010-present

Organized panel for the Industry Studies Conference, 2011

Paper presentation at the Industry Studies Conference, 2012

Faculty Affiliate, University Center for International Studies, 2005-present

My courses serve the Global Studies Certificate program in the fields of Sustainable Development, Global Health, and Global Economy
Faculty Affiliate, European Union Center for Excellence, Asian Studies Center and Center for Latin American Studies

Professional service at the Graduate School of Public and International Affairs

Lead Faculty, Shale Gas Governance Center, 2015-present

Research and outreach on issues related to shale development

Lead Faculty, Energy and Environment program, 2012-present

Establishment of the new Energy and Environment major

Contributed to the design of the major, developed courses, advising students on internship and employment opportunities, and recruiting students, collaborating with the Business and Engineering schools to offer multidisciplinary courses for Business, Engineering and Policy students.

Lead Faculty, Environment program, 2009-present

Advise students on environmental courses across the university, internship and career opportunities, and prepare advising sheets for Student Services

Lead Faculty, Corporations, Environment and Health research area, Ford Institute for Human Security, 2009-present

Professional affiliations

Association of Environmental and Resource Economists

European Association of Environmental and Resource Economists

Country work experience: Mexico, Venezuela, Indonesia, Malaysia

Languages: English, Malay/Indonesian: Native speaker

Spanish: Reading and conversation

German: Basic conversation

Citizenship United States and Italy