

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, Urban and Development Economics and 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
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
Pending: Nominated for the University Educator Award from the Carnegie Science Center

PUBLICATIONS

1. S. Gamper-Rabindran. Information collection, access and dissemination for evidence-based shale policies. *Energy Technology*, DOI:10.1002/ente.201402114.
2. 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.

3. 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.
4. S. Finger and S. Gamper-Rabindran. Testing the effects of self-regulation on industrial accidents. *Journal of Regulatory Economics*, 43(2) 2013:115-146
5. 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.
6. 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.
7. 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.

8. 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.
9. S. Gamper-Rabindran. NAFTA and the environment: What can the data tell us? *Economic Development and Cultural Change* 54(3) 2006: 605-633.
10. 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.

PEER-REVIEWED RESEARCH REPORT

11. 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. Mastro Monaco and C. Timmins, National Bureau of Economic Research WP no.16655, 2011.

IN SUBMISSION

12. S. Finger and S Gamper-Rabindran. Voluntary versus mandatory standards: Protecting workers from adverse chemical exposure. Center for Industry Studies WP # 36, 2012.

WORKING PAPER

13. S. Gamper-Rabindran. Impact of Medicaid eligibility restrictions on immigrants' prenatal care use: A geographical analysis.

PROJECTS IN PROGRESS

14. S. Gamper-Rabindran. Book project on *Managing Environmental Risks in the Shale Industry: A Comparison of Policies Worldwide* (conceptualized the book's themes, writing the US and science chapters, and advising and editing chapters on China, Poland, South Africa, Argentina, UK, France and Germany, which are being written by country-experts).
15. A Beresteanu, S. Gamper-Rabindran. Strategic Interactions between Regulators and Firms in the Marcellus Shale. Presented at the World Congress of Environmental Economists, Istanbul, July 2014.
16. S. Finger and S. Gamper-Rabindran. The impact of self-regulation: differentiating plants' responses to voluntary and mandatory standards.
17. S. Gamper-Rabindran and C. Timmins. How do delays in the remediation of hazardous waste sites affect neighborhood characteristics?

BOOK REVIEW

Review of Daniel P. Alrich's *Site Fights: Divisive Facilities and Civil Society in Japan and the West*, *Journal of Comparative Policy Analysis*, 2011.

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 \$78,500

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

GRANTS

OTHER

1. European Commission, 2009
2. European Union Center for Excellence, 2009-2014
3. University Center for International Studies, 2010-2014
4. Center for Industry Studies, 2010-14

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.

Presentations at workshops for academics, policy and business community

1. Alliance for Research on Corporate Sustainability Conference, UC Berkeley Haas Business School, April 2013
2. Social, Economic and Psychological Costs of Contamination, National Institute of Environmental Health Sciences and Brown University Superfund Research, May 2012.
3. Voluntary Pollution Control Programs, Environmental Protection Agency and Ohio State University, May 2012.

Presentations at professional meetings

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

Invited seminars

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

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 (27 students recently)
2. Global Energy Policy: seminar
F2013 (13 students)

3. Global Health Policy
S2006, S2008, S2009, S2010, S2011, S2013, S2014 (25-30 students recently)
4. Development Economics and Policy
S2006, S2008, S2009, S2010, F2012, S2015 (30 students recently)
5. Global Economy
F2012 (core-course capped at 70 students)

Teaching Evaluation (2012-2013)

Global Health Policy	4.31 out of 5
Global Environmental Policy	4.21 out of 5
Global Economy	4.25 out of 5
Development Economics	4.13 out of 5
Global Energy Policy F2013	3.60 out of 5 (first time taught)

Ph.D. students

Chair, Ph.D. committee, GSPIA

Jee Eun Song, Environmental Policy

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

Oral examiner, GSPIA

Beate Antonich, International trade and environmental disputes

Research assistants supported with research grants

Ph.D. students

Nabanita Nandi, Assistant Professor, SUNY Plattsburgh

Shikha Basnet, Assistant Professor, Washington and Lee University

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

Masters students

Christina Plerhoples, Ph.D. candidate, Michigan State University; Katelin Hudak, Ph.D. Candidate, UNC Charlotte, Paul Shetler, Presidential Management Fellow, Veterans Affairs; Jesse Wilhelm, State Department; Lauren Borsa, Senior Program Coordinator, Johns Hopkins Program for International Education in Gynecology and Obstetrics; Katie Sarro, World Business Council for Sustainable Development; Daniel Dalton, Grow Pittsburgh; Daniel Shetler, Non-profit consultant; Marina Duane, Allegheny County Department of Human Services; Alison Watterson, OCO Global; Katie Watts, C&D Business School Institutional Relations.

PROFESSIONAL SERVICE

Referee service

Journal of Environmental Economics and Management

Journal of Public Policy Analysis and Management

Review of Environmental Economics and Policy

Journal of Economics and Management Strategy

RAND research report

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

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

Professional service at the University of Pittsburgh

Faculty member, Provost Task Force on Sustainability

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 and Global Environment Policy, 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, Energy and Environment program, 2012-present

Establishment of the new Energy and Environment major

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

Search Committee, Energy Economist, 2012-13

Search Committee, Development Economist, 2009-10

Chair, Curriculum Review and Evaluation Committee, 2013-14

Member, Core Curriculum in Economics Review Committee, 2008-9

Reader, Ph.D. exams in International Development, 2006-present

Organizer, GSPIA Teaching Workshop, 2008

Assisted the Search Committee, Economist in the Non-Profit sector, 2009-10

Assisted the Search Committee, Visiting International Economist, 2009

Assisted the Search Committee, International Economist, 2007-8

Member, Student Travel Grant Committee 2007-8

Member, Environment and Health Committee, 2005-6

Member, Diversity Committee, 2008-11

Professional affiliations

Association of Environmental and Resource Economists

European Association of Environmental and Resource Economists

Association of Public Policy Analysis and Management

Country work experience: Mexico, Venezuela, Indonesia, Malaysia

Languages: English, Malay/Indonesian: Native speaker
Spanish: Reading and basic conversation
German: Beginner

Citizenship: US and Italy

Home country: Malaysia