CV OF UJJAYANT CHAKRAVORTY

MAIN ACADEMIC POSITION

Professor, Department of Economics, Tufts University, Boston, Massachusetts
Fletcher School of Law and Diplomacy (Center for International Resource, Environment and Policy)

OTHER POSITIONS

Research Associate, Toulouse School of Economics (since 2011)
Visiting Professor Renmin University (2018-2023)
Fellow, CESifo Munich (since 2011)

CONTACT ADDRESS

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http://ase.tufts.edu/econ/faculty/chakravorty.asp

RESEARCH INTERESTS

Economics of Water and Energy; Energy Poverty and Access in Developing Countries; Shale Gas, Biofuels and Nuclear Power; Focus on India, China, Philippines

EDUCATION

Ph.D, Resource and Environmental Economics, University of Hawai‘i at Manoa.
B.S. in Civil Engineering, Indian Institute of Technology, Delhi.

EDITORSHIP OF JOURNALS

Co-Editor, Journal of Environmental Economics and Management (2013-)
Associate Editor, Journal of Economic Dynamics and Control (2018-)
Member, Editorial Council, JAERE - Journal of the Association of Environmental and Resource Economists (2014-)
Member, Editorial Board, Environmental Economics and Policy Studies (2010-)
Associate Editor, Resource and Energy Economics (2006-15)
Member, Editorial Board, Journal of Environmental Economics and Management (2010-13)
Associate Editor for Economics and Policy, Water Resources Research (2000-02)
Guest Editorships: Optimal Control: Applications and Methods
Environmental and Development Economics; Agricultural Economics
PUBLICATIONS

Articles in Refereed Journals

“Food for Fuel: The Effect of US Energy Policy on Indian Poverty” (with Marie-Helene Hubert and Beyza Ural Marchand), accepted, *Quantitative Economics*

Press on the paper: [http://www.cesifo-group.de/cesifo/newsletter/3910_Food_for_Fuel.htm](http://www.cesifo-group.de/cesifo/newsletter/3910_Food_for_Fuel.htm)


Press on the paper: Article by Oil Price Information service (OPIS), January 2016


"Plafond de Concentration Atmospherique en Carbone et Substitutions Entre Resources Energetiques," *Annales d’Economie et de Statistique* 81, 2006 (with Bertrand Magne and Michel Moreaux)


"Domestic Energy Demand in OPEC Countries," *OPEC Review* XXIV(1), 2000 (with Fereidun Fesharaki and Sara Zhou).


"Integrating Economic Analysis in Irrigation Design and Management," *American Society of Civil Engineers’ Journal of Water Resources Planning and Management*, 120(6), 1994 (with James Roumasset).


**Edited Volumes**


Chapters in Books


**Working Papers**


“The Effect of Forest Access on the Market for Fuelwood in India,” in submission (with Branko Boskovich, Martino Pelli and Anna Risch)

"Firm Innovation under Import Competition from Low Wage Countries," (with Runjuan Liu and Ruotao Tang).

“Drilling in the Drought? The Industrial Organization of Groundwater” (with E. Somanathan).
“Roads and Resources: Groundwater Depletion in Lankao County in the North China Plain,” (with Xiangzheng Deng, Yazhen Gong, Martino Pelli and Qian Zhang).


“Lighting up the Last Mile: the Benefits and Costs of extending Electricity to the Rural Poor” (with Kyle Emerick and Majah Leah-Ravigo).

Policy Reports and Other Publications


"Does the Quality of Electricity Matter?” Ideas for India, 10 February 2014, (with Martino Pelli) http://ideasforindia.in/article.aspx?article_id=251


Nuclear Energy in Alberta: What You Need to Know, Environmental Research and Studies Center, University of Alberta (with co-authors), 2010.


"Water Conveyance, Spatial Technology Choice and Rents," Agricultural Economics Papers of Kobe University, 31(3), 1998 (with Chieko Umetsu).
"Deregulation in Oil and Gas in South Asia," *East-West Center Energy Advisory*, 1997 (with Fereidun Fesharaki).


**RESEARCH GRANTS AND AWARDS**

RCT Study on Strategies to enhance the Adoption of Electricity-saving Technology in Irrigated Agriculture in Bangladesh (EEG Oxford, $245,000), 2018-20.

RCT Study on Impact of Alternate Wetting and Drying Technology on Farm Incomes and Water Savings in Bangladesh (3ie, $485,000), 2016-19.


Energy and Poverty (French National Research Agency ANR, €200,000), 2014-16.


School of Energy and the Environment, Conference Grant ($10,000), 2010.

Canada Research Chair Grant for Research in Natural Resource Economics (SSHRC: $1.4 million), 2008-14.


Workshop in Environmental Economics and Policy (Quadrangle Fund, Emory University: $20,000), 2000-02.
Sustainable Use of Energy Resources and Global Warming (National Science Foundation: $116,000), 1994-97.
Deforestation and Energy Use in Sub-Saharan Africa (FASID, Government of Japan $40,000), 1997-98.
Economics of Forestry in Hawaii (Governor's Advisory Council: $40,000), 1996-97.
Effect of GATT on Asia-Pacific Commodity Trade (East-West Center/University of Hawaii Collaborative Research Program: $30,000), 1994-95.
Production, Consumption and Trade in Primary Commodities (UN-ESCAP: $40,000), 1993-94.

CONSULTING WORK

Garten-Rothkopf/Toyota Long-Range Planning Unit (2009)
Water Policy Center, Georgia State and Georgia Southern University (2002-05)
World Bank (1999)

PAST AFFILIATIONS

Interim Director of Environmental Studies, Tufts University (2016-17)
Professor and Canada Research Chair, School of Business and Department of Economics, University of Alberta (2008-12)
Professor of Economics, UCF Business School, Orlando (2005-08)
Associate Professor of Economics (tenured), Emory University, Atlanta (1998-2005)
Associate (1995-98) and Assistant Professor (1989-95), Department of Agricultural and Resource Economics, University of Hawaii

SHORT VISITING APPOINTMENTS

Philippine School of Economics (2014-15), Paris I (2018,15,11,09,08), Paris Nanterre (2016), Rennes (2012-16), Toulouse (INRA, LERNA, 2003-10), Andre Hoffmann Chair Visiting Professor, Graduate Institute of International Studies, Geneva (Summer 2010), Chinese Academy of Sciences (2014), Chinese University of GeoSciences (2015), Hebrew University (2014), Indian Statistical Institute Delhi (2012-14); Berkeley (ARE), Ben-Gurion University, Israel; UN-ESCAP, Bangkok; FAO, Rome; Jadavpur University, Kolkata; Peradeniya, Sri Lanka; Kobe University, Japan

PROFESSIONAL ACTIVITIES

Program Committee, IWREC Conference on Water Allocation and Pricing in Developing Countries, World Bank, 2014
Expert Panel Member, Canadian Industry Competitiveness in terms of Energy Use, Canadian National Academy of Sciences, 2013-14
Conference Co-Chair, 3rd Association of Environmental and Resource Economics (AERE) Conference, Banff, 2013
Advisory Board (2010-), International Water and Resource Economics Consortium (IWREC)
Program Committee, IWREC Conference, Stockholm, August 2012
Chair, IWREC Conference on Management of Water Resources, Banff, June 2011
Program Committee, Canadian Resource and Environmental Economics Meetings, Guelph (2010)
Program Committee Chair, Canadian Resource and Environmental Economics Meetings, Alberta (2009)
Co-chair, IWREC Conference in Waikoloa, Hawaii (1999) and Girona, Spain (2001)
Chair, Conference on Clean Energy Asia: Profiting from New Trends in Environmentally Correct Strategies, Products and Systems, 1999, Singapore
Course Director, Environmental Controls and Practices, Singapore (1999), and Kuala Lumpur (2000)
Attended the Kyoto Protocol meetings, Kyoto (1997)

Grant Review

Grant Review Panel, NSF INFEWS (2016)
Grant Review Panel, EPA Star Program, Air, Climate and Energy (2014-15)
Review Panel, Saudi National Science Agency KCAST (2014,15,16,17)
SSHRC Insight Grants Program (Review Panel 2012, 2013)
Reviewer for NSF, NOAA, Energy Bio-Sciences Institute, US-Israel Bi-national Research Foundation (BARD), MIT Press, Springer, Killam Professorship Award, European Research Council
Member Review Panel, National Institutes for Water Resources, USDA NRI
Qatar National Research Fund

TEACHING

Taught PhD, MBA, MA and BA courses including Resource/Energy/Environmental Economics and Policy/ Microeconomics/ IO and Game Theory/ Quant Methods such as Graduate Micro Theory (I and II at Emory/UCF, PhD Level), Environmental Management (Alberta, MBA Course), Honors Macroeconomics (UCF), Resource and Environmental Economics and Policy (Tufts, Toulouse), Principles of Microeconomics with Environmental Applications (Tufts), Graduate Micro II (Tufts).
Nominated for University Teaching Award at Emory University and Voted Favorite Teacher of the Year by Mortar Board.
SELECTED RESEARCH PRESENTATIONS

Conferences


Invited Talks


Keynote/Invited Speaker

Invited Speaker, Workshop on the Economics of Environment, Energy and Climate, Peking University, 2018
Keynote, Chinese Association of Environmental and Resource Economists First Annual Meeting, Beijing, 2017
Conference on Climate Change and Development, Williams College, 2017
Invited Speaker, Rutgers Bio-economy Conference
Invited Speaker, IMF-COP 22 high-level preparatory meeting, Marrakech, 2016
Invited Speaker, IPAG Business School Conference Nice, 2016
Invited Speaker, MIT (CEEPR) Workshop, 2016
Invited Speaker, Rutgers Energy Institute, 2016
Keynote Speaker, FAERE Workshop on Energy and Resources, Rennes, 2016
Invited Speaker, College de France Conference on Climate Change, Paris 2015
Keynote Speaker, Spanish-Portuguese Bi-Annual Conference in Environmental Economics, Girona Spain, 2014
Workshop on Economics and Politics of Sustainable Development, Montpellier, 2013
Workshop on Environmental Economics, Annecy, 2013
“Global Environmental Challenges: The Role of China,” Shanghai University of Finance and Economics, 2012
Colorado Environmental and Resource Economics Workshop, 2012
5th Berkeley BioEconomy Conference, March 2012
Statistics Norway Workshop on Biofuel Policy, Hajfell, Norway, 2012
Keynote, CESifo Conference on Climate Change Economics, Munich 2011
FEEM Summer School, Recent Developments in Resource Economics, Venice 2011
Energy Transitions Workshop, Cardiff University, Wales, 2011
Keynote, Conference on Oceans, Green Shipping and Sustainable Energy, Institut Oceanographique, Paris, 2011
4th Berkeley Bioeconomy Conference, 2011
“Did China and India Sabotage the Copenhagen Treaty?” Geneva, 2010
Conference on "Managing Climate Change," Organized by Nicholas Stern and Roger Guesnerie, University of Paris, 2010
Keynote, Exploring Alberta’s Approach to Market Governance, 2010
Distinguished Speaker, UBC Okanagan, Sustainability Week, 2010
Panel at Conference on Water Economics, UC Berkeley, 2009
Graduate School of International Studies, Public Lecture, Geneva, 2009
Eric Geddes Lecture "Will Global Warming Take a Backseat in the Economic Downturn?” Edmonton, 2009
Workshop on Natural Resource Management and Dynamic Optimization, Girona Spain, 2008
Economics of Biofuels Conference, UC Berkeley 2007
Keynote, Potsdam Conference on Stabilization of Climate Change Policy (2006)
Panelist, Public Forum on The War in Iraq: Beyond the Sound Bites sponsored by Central Florida for Democracy, 2006
Public Lecture on the Economics and Politics of Climate Change, Strom Thurmond Institute, Clemson University, 2002
NSF Conference on Renewable Energy Technologies, Georgia Tech (2001)
Conference in honor of Ethan Hochman, Hebrew University Jerusalem (2001)
Arab Planning Institute Conference on Middle East Economic Development, Tunis (1999)
US-Japan NSF Workshops on Climate Change (1997, 1999)

**REFEEEREE SERVICE**


**MEDIA**

Appearances on television news (Atlanta, Orlando, Edmonton) and in the print media (e.g., San Francisco Chronicle, Atlanta Journal-Constitution, Honolulu Advertiser, Palm Beach Post, Orlando Sentinel, Edmonton Journal, Vancouver Sun, etc.) as a commentator on energy and environmental issues. Panelist on TV Show Alberta PrimeTime. Participated in energy briefings for staff on Capitol Hill and White House, for Senator Inouye (Hawaii) and German Chancellor’s office.

**UNIVERSITY SERVICE**

Member of Board of Directors, Tufts Confucius Institute; Tufts Global Strategy Advisory Group; Chair/Member, Faculty Search Committees 2013-14, 2014-15, 2015-16; PhD Steering Committee, Faculty Workload Committee; Graduate Committee; College Budget & Priorities Committee; Panelist, Tufts Water Conference 2013; Tufts Energy Conference 2014, 2013; Executive Board, Environmental Studies; Executive Board, IR Program; Member, University Strategic Planning Committees on Climate Change, Water and on Innovation and
Entrepreneurship; Faculty Advisor, Economics, International Relations and Environmental Studies Programs; Featured Speaker, Tufts Parents Weekend

T&P Evaluation: Univ of Connecticut, University of Ghana, UMass Amherst, City University of Hong Kong, Auburn, Shanghai University of Finance and Economics, Peking, LSE, Calgary, Wisconsin, Cornell, Connecticut, Rutgers, Berkeley, Minnesota, UBC, Michigan State, York, Hawaii, McGill, Claremont Colleges, Southern Illinois, Brock, Institut Universite de France (IUF), Hong Kong Polytechnic, Hebrew University, Habilitation Defense (INRA-Montpellier), Ryerson, UBC, Austrian Academy of Sciences

External PhD Thesis Examiner: Binghamton, British Columbia, Calgary, Sydney, Tilburg, Jadavpur, Paris (2); MA Theses: Graduate Institute Geneva (3)

**GRADUATE STUDENT/POST-DOC SUPERVISION**

Martino Pelli, post-doctoral fellow (Ph.D, Lausanne), Associate Professor of Economics, University of Sherbrooke, Quebec
Marie-Helene Hubert, post-doctoral fellow (Ph.D, Toulouse), Associate Professor of Economics, University of Rennes
Bertrand Magne (Ph.D, Toulouse), Chief Energy Economist, OECD
Anna Risch, Ph.D. (Savoie), Assistant Professor, University of Grenoble
RuoTao Tang, Ph.D. (Alberta)
HanXiao Li, Ph.D. (Alberta)
Mckay White, Ph.D (Alberta), Assistant Professor, Grant McEwan University
Yanjing Chen, Ph.D completed (Emory), CDC
Anthony Radich, Ph.D (Emory), US Department of Energy
Asclepias Indriyanto, Ph.D (Hawaii), Energy Consulting
Keiichi Nemoto, Ph.D. (Hawaii), Government
Chieko Umetsu, Ph.D (Hawaii), Professor of Environmental Sciences, Nagasaki University
Deliana Kostova, M.S. completed (Emory), UPS
Jing Zhao, M.S. (Emory)
Sara Banaszak, M.S (Hawaii), Vice-President, Exxon-Mobil
Sara Zhou, M.S. (Hawaii), HSBC
Minhnhat Ho, M.S. (Florida)
Bo Liu, M.A. (Alberta)
Kaili Zhang, M.A. (Alberta)
Rebecca Toole, M.A. (Tufts) J-Pal Cambridge

*Revised: August 2018*