

ELVIN E. DELGADO, PH.D.

Department of Geography
Central Washington University

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EDUCATION

Ph.D.	Geography	Syracuse University	May 2012
M.Sc.	Geography	University of Akron	May 2002
B.A. (Cum Laude)	Geography	University of Puerto Rico	December 1999

DISSERTATION

Spaces of Socio-Ecological Distress: Fossil Fuels, Solar Salt and Fishing Communities in Lake Maracaibo, Venezuela.

Advisor: Dr. Thomas Perreault

Committee Members: Drs. Don Mitchell, Sarah Pralle, Tod Rutherford, Robert Wilson

RESEARCH INTERESTS

Energy and Capitalism, Political Ecology, Political Economy of Natural Resources, Health Geography, Latin American Resource Politics, Critical Resource Geography, Qualitative Methods

PROFESSIONAL EXPERIENCE

2022-Present	Associate Dean of Faculty Development, Research, and Interdisciplinary Initiatives, College of the Sciences, Central Washington University, Ellensburg, WA.
2022-Present	Professor, Department of Geography, Central Washington University, Ellensburg, WA.
2022-2023	Interim Chair, Information Technology & Administrative Management Department, Central Washington University, Ellensburg, WA – http://www.cwu.edu/it-management/
2017-2022	Associate Professor, Department of Geography, Central Washington University, Ellensburg, WA
2015-Present	Founding Director, B.S. Integrated Energy Management Program, College of the Sciences, Central Washington University – http://www.cwu.edu/energy
2014-2018	Founding Director, Institute for Integrated Energy Studies, College of the Sciences, Central Washington University

- 2012-2017 Assistant Professor, Department of Geography, Central Washington University, Ellensburg, WA
- 2011-2012 Visiting Instructor, International Studies Program, Utica College, Utica, NY
- 2010-2011 Adjunct Faculty, International Studies Program, Utica College, Utica, NY
- 2008-2009 Instructor, Department of Geography, Syracuse University, Syracuse, NY

GOVERNMENT APPOINTMENT

- 2015-Present Board of Directors, Joint Center for Deployment and Research in Earth-Abundant Materials. Appointed by Governor Jay Inslee of Washington State.
<https://jcdream.org/about/board-of-directors/>

PEER-REVIEWED RESEARCH PUBLICATIONS

- Hickey, R. and **DELGADO, E.** (2021). "Geography, Maps, and the Annals: 67 Years of History." *Cartographic Perspectives*, (99). <https://doi.org/10.14714/CP99.1705>
- DELGADO, E.** (2021) "Renewable Energy Landscapes and Community Engagements: The Role of Critical Resource Geographers Beyond Academia." In *The Routledge Handbook of Critical Resource Geography*, Matthew Himley, Elizabeth Havice, and Gabriela Valdivia (eds.), London: Routledge Press, Chapter 25, pp. 297-308.
- DELGADO, E.** (2018) "Fracking Vaca Muerta: Socio-Economic Implications of Shale Gas Extraction in Northern Patagonia, Argentina." *Journal of Latin American Geography*, Vol. 17(3): 102-131.
- Fry, M. and **DELGADO, E.** (2018). "Introduction" in Petrogeographies and Hydrocarbon Realities in Latin America, Matthew Fry and Elvin Delgado (Eds.), *Journal of Latin American Geography*, Vol. 17(3): 10-14.
- DELGADO, E.** (2017). "Conflictive Energy Landscapes: *Petrocasas* and the Petrochemical Revolution in Venezuela." In *The Routledge Research Companion to Energy Geographies*, Stefan Bouzarovski, Martin J. Pasqualetti and Vanessa Castan Broto (eds.), Routledge Press, Chapter 21, pp. 330-346.
- DELGADO, E.** (2017). "From *Wetland* to *Salthand*: Natural Obstacles and Socio-Ecological Consequences in the Production of Solar Salt in Venezuela." *Society & Natural Resources*, Vol. 30(7): 797-811.
- DELGADO, E.** (2016). "Energy Geographies: Thinking Critically About Energy Issues in the Classroom." *Journal of Geography in Higher Education*. Vol. 40(1): 39-54.
- DELGADO, E.** (2013). "Oil and natural gas drilling." In *Encyclopedia of Energy*, (Ed.) M. Pierce, Golson Media: Salem Press. Vol 3, pp. 955-959. ISBN: 978-1-58765-849-5
- DELGADO, E.** (2013). "Venezuela." In *Encyclopedia of Energy*, (Ed.), M. Pierce, Golson Media: Salem Press. Vol. 4, pp. 1317-1319. ISBN: 978-1-58765-849-5

Crúz-Báez, A. & **DELGADO, E.** (2001). "SIGAS: Un Sistema Geográfico de Administración de Salud," with Angel David Crúz-Báez. In *Geonatura: Sistema de Información Geográfica (SIG) Aplicados a las Ciencias Ambientales y a la Salud*. Edited by Seguinot Barbosa, J. Publicaciones CD Inc., San Juan, Puerto Rico: School of Public Health, University of Puerto Rico. ISBN: 1-881722-59-7.

JOURNAL SPECIAL ISSUE ORGANIZATION

Fry, M. and **DELGADO, E.** (2018). *Special Issue "Petro-Geographies and Hydrocarbon Realities in Latin America,"* (Eds). *Journal of Latin American Geography*, 17(3).

MAP PRODUCTION

2003 Vieques (color topographic reference map). In Ana M. Fabián, "*Vieques en mi memoria: Testimonios de vida de ciudadanos Viequesenses,*" Ediciones Puerto Rico, San Juan 2003, pp. 360. ISBN: 978-0942347838.

2000-2002 Professional map production for the book *Latin America: Regions and People*. New York Guilford Press, written by Dr. Robert Kent. ISBN: 978-1572309098.

DEVELOPMENT GRANTS

Internal Support

2017 Solar Power Conference, Len Thayer/AAUP Grants, Foundations, Central Washington University (\$3,250)

2014 *President Innovation Grant.* Grant proposal submitted on a competitive basis (University-wide) to establish the Institute for Integrated Energy Studies and a new B.S. in Integrated Energy Management with three specializations: (1) Energy Policy; (2) Energy Business; and (3) Power Systems. (\$500,000)

RESEARCH GRANTS

External Support

Funded

2016 Principal Investigator, Patricia Galloway and Kris Nielsen Foundation Research Grant, "Socio-Economic Determinants of Policies in Favor or Against Fracking: A Comparative Analysis Between the United States and Argentina," (\$10,000)

2016 Principal Investigator, Bonneville Environmental Foundation. "Solar 4R Schools Tulalip Tribe," To develop research agenda on alternative energy and cultural resources with the Tulalip Tribe – (\$103,220)

2015 Principal Investigator, Patricia Galloway and Kris Nielsen Foundation Research Grant, "Fracking Vaca Muerta: Socio-Environmental Implications of Shale Gas Extraction in Northern Patagonia," – In-depth ethnographic research in the community of Añelo," (\$10,000)

- 2014 Principal Investigator, Patricia Galloway and Kris Nielsen Foundation Research Grant, “Commodifying the Underground: Political Economy of Hydraulic Fracturing in Northern Patagonia, Argentina,”– Exploratory research (\$10,000)
- 2008 Graduate School Summer Fellowship, Department of Geography, Syracuse University, (\$700)
- 2006–2007 Principal Investigator, Fulbright IIE Doctoral Dissertation Research Grant “Petro-Capitalism: Environmental Degradation of Lake Maracaibo and the Effects on the Fishing Community of Ancón de Iturre,” (\$23,200).
- 2005 Principal Investigator, PLACA Summer Research Grant (Program on Latin America and the Caribbean), Moynihan Institute of Syracuse University, (\$3,500)-declined
- 2005 Principal Investigator, Goekjian Summer Research Grant, Moynihan Institute of Syracuse University, (\$2,500)
- 2005 Principal Investigator, Summer Research/Creative Project Competition, Maxwell School of Syracuse University, (\$1,000)
- 2003 Principal Investigator, PLACA Summer Research Grant (Program on Latin America and the Caribbean), Moynihan Institute of Syracuse University, (\$2,500)

Not Funded

- 2021 Co-Principal Investigator, Alfred P. Sloan Foundation, “Measuring Democracy, Security, and Justice in “Just” Energy Transitions: A Multi-sited Evaluation of U.S. Community Solar Projects,” (\$439,825).
- 2016 Principal Investigator, Environmental Research and Education Foundation, “Waste, Energy, and Education: Pilot Closed Loop Food System Using Portable Anaerobic Digestion,” (\$200,000).
- 2016 Principal Investigator, Washington State Department of Commerce – Clean Energy Fund: Research, Development, and Demonstration Match Program Round II, “Ellensburg Community Integrated Energy,” (\$1.85 million).
- 2006 National Science Foundation Doctoral Dissertation Research Improvement Grant (NSF DDRI # 0623394), “Petro-Capitalism: Environmental Degradation of Lake Maracaibo, Venezuela and its Effects on the Community of Los Olivitos,” (\$12,000 – Reviewers provided positive comments and recommended resubmission).

HONORS AND AWARDS

- 2022 *Fulbright Specialist Program Fellowship*, University of Chile (Summer). Project ID: P007556.

- 2021 *Presidential Faculty Award* by the Center for Leadership and Community Engagement, 24th Annual Evening of Recognition, Central Washington University, Ellensburg, WA. June 4th. <https://www.cwu.edu/leadership-engage/24th-annual-evening-recognition>
- 2018 *Most Inspirational Faculty Award* by the Center for Leadership and Community Engagement, Central Washington University, Ellensburg, WA. The award is presented to a faculty member who serves as a role model that inspires and motivates students and is committed to student success. The awardee demonstrates a positive influence, dedication, and leadership at CWU.
- 2016 *Timm Ormsby Award* for Faculty Citizenship Sponsored by the Washington Council of Faculty Representatives to recognize and honor exemplary civic engagement by faculty from public baccalaureates in the State of Washington.
- 2014 The Tom-Ogg NRHH (National Residence Hall Honorary) Chapter *Honoring Our Professors' Excellence Award (H.O.P.E.)*, *National Residence Hall Honorary*. The award recognizes professors who have a strong positive impact on the students and go above and beyond the usual classroom duties. The awardees are nominated by students and then selected by a committee of NRHH members. Central Washington University, Ellensburg, WA.

TEACHING EXPERIENCE

Courses Taught at Central Washington University (full-teaching responsibilities)

- GEOG 101: World Regional Geography (Department of Geography - in person and online)
- GEOG 208: Introduction to Human Geography (Department of Geography - in person and online)
- GEOG 442: Alternative Energy (Department of Geography - in person and online)
- GEOG 489: Geography Capstone (Department of Geography - in person and online)
- IEM 201: Introduction to Energy Management (Integrated Energy Management Program - previously IEM 301: Energy Management – in person and online)
- IEM 330: Geopolitics of Fossil Fuels (Integrated Energy Management Program - in person and hybrid)
- REM 505: Introduction to Graduate Research (Cultural and Environmental Resource Management Program)
- REM 506: Resource Management Colloquium (Cultural and Environmental Resource Management Program)
- ENST 310: Energy and Society (Environmental Studies Program - in person and online),
- DHC 251: Society and the Politics of Nature (Douglass Honors College)
- YESS 101: Social Science Perspectives and Research I (Yearlong Exploration of Social Sciences Program)

Courses Taught at Syracuse University (full-teaching responsibilities)

- GEO 103: America and the Global Environment, Department of Geography
- GEO 155: The Natural Environment, Department of Geography

Courses Taught at Utica College (full-teaching responsibilities)

- IST 101: World Regional Geography (International Studies)
- IST 300: International Criminal Geography (International Studies – online)
- IST 300A: Geographies of Health (International Studies - in person and online),
- IST 300C: Geography of Crime (International Studies)
- GOV 300B: Political Ecology (International Studies)

GRADUATE STUDENT ADVISING

Thesis Committee Chair

- 2020-Present Daphne Condon, “Utility-Scale Solar in Kittitas County: A Study on Optimal Permitting Procedure.” M.S., Cultural & Environmental Resource Management Graduate Program (Co-Chair) (completed).
- 2017-2019 Paige McNorvell, “Terminal Illness: The Political Ecology and Political Economy of the Millennium Bulk Coal Export Terminal, Longview, WA.” M.S., Cultural & Environmental Resource Management Graduate Program. (completed).
- 2015-2017 Brian Straniti, “Fracked Perceptions: Changes in Perception Regarding Hydraulic Fracturing Among Residents of Dimock, Pennsylvania.” M.S., Cultural & Environmental Resource Management Graduate Program. (completed).
- 2014-2017 Janessa Zucchetto, “Why Now? A Case Study of Split Estate and Fracking Activity in Garfield County, Colorado.” M.S., Cultural & Environmental Resource Management Graduate Program. (completed).

Thesis Committee Member

- 2016-2018 Sam Pfeifer, “Residential Solar Uptake in Washington State.” M.S., Cultural & Environmental Resource Management Graduate Program. (completed).
- 2014-2015 Kara Mowery, “Renewing Spokane: A Study of Motivating Forces Behind Downtown Revitalization Projects.” M.S., Cultural & Environmental Resource Management Graduate Program. (completed).
- 2013-2015 Tiffany J. Waters, “Washington’s Fish Consumption Rate and Water Quality Standards: Fostering Allies to Keep Our Seafood Clean.” M.S., Cultural & Environmental Resource Management Graduate Program. (completed).
- 2013-2015 Andrea Watson, “An Analysis of the Socioeconomic Impacts Resulting from the Ellsworth Creek Preserve in Pacific County, Washington.” M.S., Cultural & Environmental Resource Management Graduate Program. (completed).

Graduate Student Awards

- 2021 Daphne Condon. CWU Graduate Student Summer Research Fellowship (\$3,500)
- 2015 Brian Straniti. CWU Graduate Student Summer Research Fellowship, (\$3,500 – HSRC Approval #H16094)

- 2015 Janessa Zucchetto. CWU Graduate Summer Research Fellowship, (\$3,500 – HSRC Approval # H15091)
- 2015 Janessa Zucchetto. CWU Masters Research Award, (\$600 – HSRC Approval # H15091)

Supervised Graduate Research Presentations

Symposium of University Research & Creative Expression (SOURCE)

- 2017 Brian Straniti, “Fracked Perceptions: Perceptions of Economic, Ecological, and Socio-Cultural Aspects of Fracking among Residents of Dimock, PA.” paper presented at CWU SOURCE Research Symposium, SURC 201, 18 May
- 2016 Janessa Zuchetto, “Why Now? A Case Study of Split Estate and Fracking Activities in Garfield County, Colorado,” paper presented at CWU SOURCE Research Symposium, SURC 201, 19 May

American Anthropological Association Meeting

- 2016 Janessa Zuchetto, “Why Now? A Case Study of Split Estate and Fracking Activities in Garfield County, Colorado,” paper presented at Society for Applied Anthropology Annual Meeting, Westin Bayshore Hotel – Salon A, Vancouver BC, 31 March

UNDERGRADUATE STUDENT SUPERVISION

- 2017-2018 Ryan Zimmerman, Douglas Honors College, faculty mentor for his senior’s thesis. McNair Scholar Program. (completed).
- 2016-2017 Gavin Schag, B.S., Geography, McNair Scholar Program, undergraduate thesis “UAV Photogrammetry: Structure from Motion Data for Digital Elevation Model Generation.” (completed).

Supervised Undergraduate Research Presentations

Association of Washington Geographers

- 2019 Emma Cumpton, “*Fossil Fuels and Sovereignty*,” paper presented at the Association of Washington Geographers, Dean Hall 112, Central Washington University, 31 May to 1 June.

Symposium of University Research & Creative Expression (SOURCE)

- 2015 Trinity Turner, “*Geographical Analysis of People’s Perceptions of a Political Campaign for County Auditor*,” paper presented at CWU SOURCE Research Symposium, SURC 140, 25 May
- 2014 Stephanie Harris, “*HopeSource Weatherization and Conservation Services: An Analysis of Program Effectiveness*,” paper presented at CWU SOURCE Research Symposium, SURC 137B, 15 May

ACADEMIC SERVICE

Departmental Service

Central Washington University

- 2018-Present Faculty Senator representing the Department of Geography at the University's Faculty Senate, Central Washington University
- 2018-Present Curriculum Committee, Department of Geography, Central Washington University
- 2018 Member of the Search Committee for Senior Secretary position, Integrated Energy Management Program & Environmental Studies Program, Central Washington University
- 2016 Member of the Search Committee for TT Planner Geography Position, Department of Geography, Central Washington University
- 2015-2016 Curriculum Committee, Department of Geography, Central Washington University
- 2015 Search Committee for TT specializing in GIS to replace Dr. Novak, Department of Geography, Central Washington University
- 2014-2015 Chair, Curriculum Committee, Department of Geography, Central Washington University
- 2014 Search Committee for FINTT, Department of Geography, Central Washington University
- 2013-2015 Director, Energy Studies Minor, Department of Geography, Central Washington University
- 2013-2014 Curriculum Committee, Department of Geography, Central Washington University

University Service

Central Washington University

- 2022 Member, Academic Shared Governance Committee, Office of the President, Central Washington University
- 2022 Member, Search Committee for the Vice President for Student Engagement and Success, Central Washington University
- 2021-2022 Member, Provost Diversity Council, Office of the Provost, Central Washington University
- 2021-2022 Member, Bylaws and Faculty Code Committee, Faculty Senate, Central Washington University

2021-2022	Member, Antiracism, Diversity, and Inclusivity Ad hoc Committee, Faculty Senate, Central Washington University
2020-2021	Past-Chair, Faculty Senate Executive Committee, Central Washington University
2021-2022	Member, Vision, Mission, Strategic Plan Steering Committee, Office of the President, Central Washington University – https://www.cwu.edu/president/vision
2021-Present	Member, Retention Steering Committee, Office of the Provost, Central Washington University
2021-Present	Member, University Accreditation Steering Committee, Office of the Provost, Central Washington University
2021	Judge, SOURCE, Symposium of University Research and Creative Expression, Central Washington University, May.
2020-2021	Member, Presidential Search Trustee Advisory Committee, Office of the President, Central Washington University - https://www.cwu.edu/presidential-search/trustee-search-advisory-committee
2020-2021	Member, Provost Council, Office of the Provost, Central Washington University
2020-2021	Chair, Faculty Senate Executive Committee, Office of the President, Central Washington University
Spring 2020	Member, Fall 2020 Planning Project Advisory Council, Central Washington University
2020-Present	Member, President's Budget Advisory Committee, Central Washington University
2020-Present	Member, Budget and Planning Committee, Faculty Senate, Central Washington University
2020-2021	Member, ASCWU Student Trustee Nominee Interview Committee, Central Washington University
2020-2021	Co-Chair, Academic Advising Council, Central Washington University
2019-2020	Chair Elect, Faculty Senate Executive Committee, Central Washington University
2019-2020	Member, Bylaws and Faculty Code Committee, Faculty Senate, Central Washington University
2019-2020	Member, Search Committee for the Provost/VP for Academic and Student Life, Central Washington University

- 2018 Member, Provost Strategic Initiative Review Committee, Office of the Provost, Central Washington University
- 2016 Chair, Search Committee for the Manager Position, Institute for Integrated Energy Studies, Central Washington University
- 2016 Member, Search Committee for Vice President of University Advancement, University Advancement, Central Washington University
- 2015 Member, U.S./Cuba Academic Partnership Delegation, Fulbright Institute for International Education, U.S./Cuba International Academic Partnership Program, International Studies and Programs, Central Washington University, October 24 to November 1, 2015.
- 2015 Member, CWU Education Development Mission to Spain, Office of the President, Central Washington University, June 25 – July 2, 2015.
- 2015-Present Director, Integrated Energy Management Program, College of the Sciences, Central Washington University - <http://www.cwu.edu/energy/what-iem>
- 2015-2016 Member, Core Theme 3: Scholarship and Creative Expression Committee. Developed specific strategies and gave recommendations of how to support faculty in these two areas.
- 2014-2018 Creator and Founding Director, Institute for Integrated Energy Studies – <http://www.cwu.edu/energy>
- 2014-2015 Curriculum development. Creation of new interdisciplinary B.S. in *Integrated Energy Management* with three specializations, namely: (1) Integrated Energy Policy; (2) Integrated Energy Business, and (3) Integrated Power Systems, Central Washington University
- 2012-2014 Committee member of the Center: Latino and Latin American Studies Program, Central Washington University

Service to the Discipline

- 2022 External Reviewer, Promotion to Full Professor Candidate, Gustavus Adolphus College, 13 February.
- 2021 Member, AAG 2022 Nystrom Award Committee, American Association of Geographers.
- 2020 External Reviewer, Promotion and Tenure Candidate, Texas A&M International University, 31 July.
- 2019-2021 Expert Article Reviewer, Professional Geographer Award, Energy and Environment Specialty Group, American Association of Geographers.

- 2015-2022 Board of Directors, Energy and Environment Specialty Group (EESG), Association of American Geographers
- 2013-2015 Chair, Energy and Environment Specialty Group (EESG), Association of American Geographers
- 2013, 2014 Reviewer, Paper Award Competition, Energy and Environment Specialty Group (EESG), Association of American Geographers
- 2013, 2014 Student Paper Award Committee Member – Latin America Specialty Group (LASG), Association of American Geographers
- 2012-2014 Diversity Ambassadors, Association of American Geographers, Career Mentor
- 2003 Board Member, North American Cartographic Information Society (NACIS)

External Grant Proposal Reviewed

- 2021 Swiss National Science Foundation, Humanities, and Social Sciences Division I
- 2020 Puerto Rico Science, Technology and Research Trust, COVID 19 RAPID Grant, <https://prsciencetrust.org/>
- 2017 National Geographic Society (NGS)
- 2016 U.S. National Science Foundation, Geography and Spatial Sciences, (NSF/GSS)
- 2016 Social Science and Humanities Research Council (SSHRC, Canada)

Manuscripts Reviewed:

Wiley Interdisciplinary Reviews: Energy and Environment; Geoforum; Political Geography; Transaction of the Institute of British Geographers; Energy Research & Social Science; Yearbook of the Association of Pacific Coast Geographers; Energy Policy; Extractive Industries & Society; Geojournal; Nature & Culture

Invited Review of Book Chapters & Book Proposal:

Book Proposals

- 2018 Palgrave McMillan – Springer Nature
- 2016 Environment & Sustainability | Development Studies, Routledge - Earthscan

Book Chapters

- 2016 Earth Sciences at Oxford University Press

PROFESSIONAL SERVICE

- 2020 Member, Energy and Climate Policy Advisory Committee, State Energy Office, Washington State Department of Commerce, WA - <https://www.commerce.wa.gov/growing-the-economy/energy/energy-and-climate-policy-advisory-committee/>
- 2017-2020 Member, Utility Advisory Committee, City of Ellensburg, Ellensburg, WA
- 2015-Present Scientific Advisor, Observatorio de la Sostenibilidad, Madrid, Spain <http://www.observatoriosostenibilidad.com/>
- 2013-2014 Consultant Online Content, Mastering Geography, Pearson Higher Education
- 2005 Geography Consultant. Series: *Rookie Read About Geography*, Scholastic Library Publishing Children Press

PROFESSIONAL DEVELOPMENT

- 2020 Provost Council Diversity Training, Facilitator Becky Martinez, Infinity Martinez Consulting, Inc., Central Washington University, Virtual – Fall Quarter
- 2020 NWCCU Retention, Completion, and Student Success Academy, Northwest Commission on Colleges and Universities, November 18 (Virtual)
- 2019 NWCCU Retention, Completion, and Student Success Academy, Northwest Commission on Colleges and Universities, November 20, Seattle, WA.
- 2017 The Graduate School of Graduate Studies and Research – Graduate Faculty Orientation, November 16, Central Washington University, Ellensburg, WA.
- 2013 Pan-American Advanced Studies Institutes Program (PASI Grant No. 1242209) of the U.S. National Science Foundation – Training Institute on Adaptive Water-Energy Management in the Arid Americas, June 24 – July 3, La Serena, Chile
- 2013 The Geography Faculty Development Alliance, Workshop for Early Career Faculty & Graduate Students, 16-22 June, University of Colorado, Boulder
- 2012 Certificate of University Teaching, The Graduate School, Syracuse University, Syracuse, NY
- 2011 Interdisciplinary Symposium: Geographies of Justice. September 30 – October 1, The Pennsylvania State University, University Park, PA
- 2010 Workshop on Nature-Society Geography, October 1-2, Syracuse University, Syracuse, NY
- 2008 Interdisciplinary Dissertation Writing Group: Sponsored by The Humanities Center and Professional Development Programs of the Graduate School, Syracuse University

- 2007 Fulbright IIE – *United States Fulbright Scholars Enhancement Seminar*. April 16-20, Cartagena de Indias, Colombia
- 2004 UPR-RCPI Partnership “*Cancer Research Training*”. (University of Puerto Rico – Roswell Park Cancer Institute)
- 2004 Atlas Electoral de Puerto Rico “*Electoral Atlas of Puerto Rico*” with Dr. Angel David Cruz-Báez, University of Puerto Rico, San Juan, PR
- 2003-2007 Syracuse University Future Professoriate Program (FPP), directed by Dr. Mark Monmonier
- 2003-2004 Research Assistant, book “*Entrópolis: Utopías, Distopías y Mega Ciudades*”. Bibliográficas, San Juan, P.R., written by Dr. Orlando De La Rosa
- 2001 Internship in North East Ohio Four County Regional Planning and Development Organization (NEFCO). GIS modeling, map production and research, Akron, OH
- 2001 “Cuyahoga Valley Scenic Railroad: Yesterday, Today, and Tomorrow”. Cartographic Production Team, Department of Geography and Planning, The University of Akron, Akron, OH. Under the supervision of Mr. Joe Stoll. Map production for United States Department of the Interior, National Park Service, Cuyahoga Valley National Park.
- 2000-2001 Vieques: Seis décadas de impacto ambiental. “*Vieques: Six decades of environmental impact*”. Map project in cooperation with Dr. Angel David Cruz-Báez. Study about the economic sustainability of tourism in Vieques. Funded by the University of Puerto Rico, Río Piedras.
- 2000 Cartographic Intern, *National Geographic Society*. Cartographic Department: Washington, DC. Selected as intern in nationally competitive program. Worked in map production, research, and editing on textbooks team. (Paid internship)

CONFERENCE PRESENTATIONS

- 2022 Panelist, “2nd Annual Energy Geography Futures and Directions: Pathways for Diversity and Inclusion,” panel session at the American Association of Geographers Annual Meeting, New York, NY, February.
- 2022 Panelist, “Community-Engaged Scholarship in Energy Geography,” panel session at the American Association of Geographers Annual Meeting, New York, NY, February.
- 2021 Discussant, “Energy Geography: Future projections, possible directions.” American Association of Geographers Annual Meeting, Seattle, WA, April. <https://youtu.be/EnCiFiLrsAg>

- 2021 “Conflictive Energy Landscapes: Debating Large-Scale Solar Power in Kittitas County, WA,” paper presented virtually at the American Association of Geographers Annual Meeting, Seattle, WA, April.
- 2020 “Renewable Energy Landscapes: Debating Large-Scale Solar Power in Kittitas County, WA,” paper accepted to be presented at the American Association of Geographers Annual Meeting, Denver, CO, April (*Cancelled due to COVID-19*).
- 2019 “International Student-Scientists Partnerships: Investigating Tropical Hurricane Disturbance in Western Mexico,” paper accepted to be presented at the Hispanic Association of Colleges and Universities 13th International Conference, San Juan, PR, May 1-3.
- 2018 “Fracking in Northern Patagonia: Assessing the Uneven Impacts of Argentina’s Push for Hydrocarbon Sovereignty,” paper presented at the Association of Pacific Coast Geographers Annual Meeting, Reno, Nevada, October.
- 2018 “Commodifying the Underground: Fracking and the State in Argentina’s Vaca Muerta,” paper presented at the American Association of Geographers Annual Meeting, New Orleans, LA, April.
- 2017 “State, Community, and Energy Independence? Implications of Fracking Vaca Muerta in Northern Patagonia, Argentina,” paper presented at the American Association of Geographers Annual Meeting, Boston, MA, April.
- 2016 “Achieving Energy Independence: Socio-Environmental Impacts Associated with Fracking Activities in Northern Patagonia, Argentina,” paper presented at the Association of Pacific Coast Geographers Annual Meeting, Portland, OR, October.
- 2016 Panelist, “Faculty Perspectives on Assessment,” panel session at the Association of Pacific Coast Geographers Annual Meeting, Portland, OR, October.
- 2015 “Making Nature Work Harder: Obstacles and Opportunities in the Production of Solar Salt,” paper presented at the Association of American Geographers Annual Meeting, Chicago, IL, April.
- 2015 Discussant, “Disastrous Political Ecologies: Critical Perspectives on Disaster,” paper session at the Association of American Geographers Annual Meeting, Chicago, IL, April.
- 2014 “Re-defining the Materiality of Hydrocarbons: Oil Politics and the Spatial Transformation of Lake Maracaibo, Venezuela,” paper presented at the Energy in the Americas: Critical Reflections on Energy & History Conference, CIBC Hub Room, Rozsa Centre, University of Calgary, Calgary, Canada, 23 October.
- 2014 Panelist, “Teaching Energy Geographies: Successful Approaches,” panel session at the Association of American Geographers Annual Meeting, Tampa, FL, April.

- 2013 “Re-defining the Nation’s Sub-soil: The History of Oil Politics in Venezuela,” paper presented at the Association of American Geographers Annual Meeting, Los Angeles, CA, April.
- 2012 “Petrocasas: The Petrochemical Revolution and the Metabolism of Fossilized Nature in Venezuela,” paper presented at the Association of American Geographers Annual Meeting, New York, NY, February.
- 2011 “Tracing Material Flows: Fossil Fuels, Solar Salt and Fishing Communities in Venezuela,” paper presented at the Association of American Geographers Annual Meeting, Seattle, WA, April.
- 2010 “Petro-Capitalism: Geographical Asymmetries of Salt Production for Petrochemical Industries and the Effects on Fishing Communities in Ancón de Iturre, Venezuela,” paper presented at the Association of American Geographers Annual Meeting, Washington, DC, April.
- 2008 “Petro-Capitalism: Environmental Degradation and the Effects of the Community of Los Olivitos,” paper presented at Race, Ethnicity and Place Conference, University of Miami, Coral Gables, FL, November.
- 2007 “PRODUSAL and the Effects of Solar Salt Production in Ancón de Iturre,” paper presented at U.S. Fulbright Conference, Department of Public Affairs, American Embassy, Caracas, Venezuela, June.
- 2005 “Capital’s Deformities: Oil Production, Anencephaly, and the Environmental Degradation of Lake Maracaibo,” paper presented at the Association of American Geographers Annual Meeting, Denver, CO, April.

SESSIONS ORGANIZED AT CONFERENCES

- 2022 Co-organizer, “Community-Engaged Scholarship in Energy Geography,” panel session at the American Association of Geographers Annual Meeting, New York, NY, February.
- 2018 Co-organizer, “The Commodification of Nature in Latin America: Where are we going? (I & II),” set of two paper sessions at the American Association of Geographers Annual Meeting, New Orleans, LA, April.
- 2017 Co-organizer, “Making a Resource, Legal Frameworks, and Political Economies of Shale Fuels (I & II),” set of two paper sessions at the American Association of Geographers Annual Meeting, Boston, MA, April.
- 2015 Organizer, introducer and chair, Energy and Environment Specialty Group Annual Plenary Lecture – “Subterranean Territories of Oil Regionalism,” presentation by Dr. Gabriela Valdivia, at the Association of American Geographers Annual Meeting, Chicago, IL, April.

- 2014 Co-organizer and panelist, “Geographical Research on the Fracking Frontier: Understanding the Social and Environmental Dimensions of Developing Shale Fossil Fuels,” panel session at the Association of American Geographers Annual Meeting, Tampa, FL, April.
- 2014 Organizer, introducer and chair, Energy and Environment Specialty Group Annual Plenary Lecture – “The Ocean Grab: Extractive Capital in the Deep Blue Sea,” presentation by Dr. Anna Zalik, at the Association of American Geographers Annual Meeting, Tampa, FL, April.
- 2013 Organizer, introducer and chair, “Metabolizing Nature: The Space-time Dimensions of Commodity Production (I & II),” set of two paper sessions at the Association of American Geographers Annual Meeting, Los Angeles, CA, April.
- 2012 Co-organizer, introducer and chair, “Commodifying the Underground: The Making of Mineral and Hydrocarbon Commodities (I, II & III),” set of three paper sessions at the Association of American Geographers Annual Meeting, New York, NY, February.
- 2012 Co-organizer, introducer and chair, “New Perspectives on Primitive Accumulation (I & II),” pair of paper sessions at the Association of American Geographers Annual Meeting, New York, NY, February.
- 2012 Co-organizer and introducer, “New Perspectives on Primitive Accumulation,” discussion panel with Derek Hall, Thomas Perreault, Wendy Wolford and Marion Werner at the Association of American Geographers Annual Meeting, New York, NY, February.

INVITED LECTURES

- 2022 “Comodificando el Subsuelo: Cadenas de Producción Global y Fracking en Vaca Muerta, Argentina,” invited lecture presented to Economic Geography class, Department of Geography, University of Chile, Santiago, Chile, 31 August.
- 2022 “Retos y Conflictos de la Transición Energética: Proyectos Solares y Comunidades Rurales en el Estado de Washington,” invited lecture presented to Colloquium, Universidad Alberto Urtado, Santiago, Chile, 1 September.
<https://youtu.be/CEc585t6RhY>
- 2022 “Paisajes Energéticos en Disputa: El Caso del Condado de Kittitas, WA y el Debate de Proyectos Solares de Gran Escala,” plenary lecture presented at the Graduate Program, Geography Colloquium, University of Chile, Santiago, Chile, 2 September. <https://youtu.be/m2Ca6GYRKiU>
- 2021 “Renewable Energy Landscapes and Community Engagement: The Role of Critical Resource Geographers Beyond Academia,” guest lecture presented to Dr. Matthew Himley’s GEO 142: Human Geography, Department of Geography, Geology, and the Environment, Illinois State University, 8 October.

- 2021 “Unintended Consequences of Energy Policy: Case Studies from Venezuela and Argentina,” guest lecture presented to Dr. Pam McMullin-Messier’s CERM 562 class, Cultural and Environmental Resource Management Program, Central Washington University, 24 May.
- 2020 “Fracking Vaca Muerta: Socio-Economic Implications of Shale Gas Extraction in Northern Patagonia, Argentina,” guest lecture presented to Dr. Matthew Himley’s Geography of Latin America Class, Department of Geography, Geology, and the Environment, Illinois State University, 4 November.
- 2020 “Energy, Fossil Fuels, and Sustainability,” guest lecture presented to Dr. Megan Walsh’s SUST 301 class, Environmental Studies Program, Central Washington University, 12 October.
- 2019 “Geographical Approaches to Socio-Environmental Issues,” guest lecture presented to Drs. Lene Pedersen and Pamela McMullin-Messier’s YESS 101 class, Yearlong Exploration in the Social Science Program (YESS), Central Washington University, 13 November.
- 2019 “Energy, Fossil Fuels, and Sustainability,” guest lecture presented to Dr. Megan Walsh’s SUST 301 class, Environmental Studies Program, Central Washington University, 31 October.
- 2018 “Energy Policies and Fracking Activities in Patagonia Argentina,” guest lecture presented to Dr. Nicole Jastremski’s REM 506 graduate class, Cultural and Environmental Resource Management Program, Central Washington University, October.
- 2017 “PETROCASAS: Socio-Environmental Implications of Energy Policy in Venezuela,” guest lecture presented to Dr. Pat Lubinski’s REM 502 graduate class, Cultural and Environmental Resource Management Program, Central Washington University, February.
- 2016 “From Buenos Aires to Patagonia: Research Perspectives from Argentina,” invited lecture presented as part of the Fieldnotes series, Department of Geography, Central Washington University, 17 November.
- 2016 “Fracking Vaca Muerta: Impactos Socio-Económicos Asociados a la Extracción de Hidrocarburos No-Convencionales en la Patagonia,” invited lecture presented to the Department of Geography, REB 105, Universidad de Puerto Rico, Río Piedras, Puerto Rico, 30 August.
- 2016 “Fracking Vaca Muerta: Socio-Economic Implications of Shale Gas Extraction in Northern Patagonia,” invited lecture presented to the Natural Science Seminar, Department of Biological Sciences, Science 147, Central Washington University, Ellensburg, WA 4 March.

- 2016 “Fracking Vaca Muerta: Socio-Economic Implications of Shale Gas Extraction in Northern Patagonia,” invited lecture presented to the School of Geographical Sciences & Urban Planning, COOR Hall L1-10, Arizona State University, Tempe, AZ, 19 February.
- 2014 “De la Economía Política a la Ecología Política: Estado, Sociedad y Ambiente en Venezuela,” invited lecture to the School of Public Health, Café Salvador Allende, Salón 303, Biblioteca del Recinto de Ciencias Médicas, Universidad de Puerto Rico, Río Piedras, 18 December.
- 2014 “The Salt of the Earth: Socio-Ecological Contradictions of the Petrochemical Revolution in Venezuela,” invited lecture presented to the Latin American Research Centre, CIBC Hub Room, Rozsa Centre, University of Calgary, Calgary, Canada, 4 March.
- 2014 “The Salt of the Earth: Socio-Ecological Contradictions of the Petrochemical Revolution in Venezuela,” invited lecture to the Center for Latino and Latin American Studies, Science Building 147, Central Washington University, Ellensburg, WA, 27 May.
- 2014 “*Petrocasas*: The Petrochemical Revolution and the Metabolism of Fossilized Nature in Venezuela,” invited guest lecture via Skype presented to lower-level division class (Fossil Fuel & Society) Environmental Studies Program, Goucher College, Baltimore, MD, 20 February.
- 2014 “*Petrocasas*: The Petrochemical Revolution and the Metabolism of Fossilized Nature in Venezuela,” invited lecture presented to the Center for Latino and Latin American Studies, 202 Dean Hall, Central Washington University, Ellensburg, WA, 27 January.
- 2012 “From *Wetlands* to *Saltlands*: The Socio-ecological Impacts of Fossil Fuels Production in Venezuela,” invited lecture presented to the Center for Earth and Environmental Science, State University of New York-Plattsburgh, 21 March.
- 2012 “From *Wetlands* to *Saltlands*: The Socio-ecological Impacts of Fossil Fuels Production in Venezuela,” invited lecture presented to the Department of Geography, Allegheny College, PA, 9 March.
- 2012 “Transforming Lives and Landscapes: The Metabolism of Fossil Fuel Production in Venezuela,” invited lecture presented to the Department of Geography, Central Washington University, 5 March.
- 2011 “Geographical Asymmetries of Petro-*Socialism*: Sowing the Venezuelan Sub-soil and the Metabolism of Fossilized Nature,” invited lecture presented to the Department of Geography, Berg Hall 100-A, South Dakota State University, 8 December.

- 2010 “Spaces of Ecological Distress: Fossil Fuels, Solar Salt and Fishing Communities in Lake Maracaibo, Venezuela,” invited lecture presented to the Department of Geography Colloquium Series, Eggers Hall 018, Syracuse University, 10 December.
- 2010 “Spaces of Ecological Distress: Fossil Fuels, Solar Salt and Fishing Communities in Lake Maracaibo, Venezuela,” invited lecture presented to the Department of Geography, CLAS 163, The University of Connecticut, Storrs, 6 December.
- 2006 “From Bretton Woods Convention to the Neoliberalization of Latin America: Hugo Chavez and the Geopolitics of Oil in Venezuela. (Critical analysis to Chavez’ speech to the United Nations General Assembly on September 20, 2006). Huntington Beard Crouse Hall, Syracuse University, NY. Room HBC 217. 3 October, 6:30 p.m.
- 2006 “La ecología política del petróleo en la cuenca hidrográfica del Lago de Maracaibo, Venezuela,” invited lecture presented to the Department of Geography, University of Puerto Rico at Río Piedras. Ramón Emeterio Bentances, Room 123. 17 August.
- 2006 “Economía política de las industrias de extracción de petróleo en el Lago de Maracaibo de Venezuela,” invited lecture presented to the Department of Geography, University of Puerto Rico at Río Piedras, REB 242, 15 August.
- 2005 “Evolución de un proyecto de investigación: La ecología política del desplazamiento de la comunidad de Ancón de Iturre en el Lago de Maracaibo”, invited lecture presented to the “Asociación de Estudiantes de Geografía”, Department of Geography, College of Social Sciences, REB 123, University of Puerto Rico at Río Piedras. 17 August.
- 2005 “Frozen in time: the case of the community of Ancón de Iturre in Maracaibo, Venezuela,” Auditorium – William B. Heroy Geology, Syracuse University, NY. 1 November.
- 2005 “Hugo Chavez, the opposition and the clash of the mass media in Venezuela,” Huntington Beard Crouse Hall, Syracuse University, NY. HBC 217, 8 September.
- 2005 “Effects of neoliberalism in the health care system in Puerto Rico: The health reform and breast cancer,” Auditorium – Physics Building, Syracuse University, NY. 9 March.
- 2004 “Degradación ambiental del Lago de Maracaibo: El caso de los niños con anencefalia,” invited lecture to the Department of Geography, University of Puerto Rico at Río Piedras. REB 238, 18 March.
- 2003 “Environmental degradation of Lake Maracaibo: the case of children with anencephaly,” paper presented at PLACA Speaker Series, Program on Latin America and the Caribbean, Moynihan Institute of Syracuse University, Syracuse, NY. 30 October.

ROUNDTABLE & PANEL DISCUSSIONS

- 2022 Discussant, “Panel Discussion: Constitución, Energía, y Modelos de Gobernanza,” Sala Matilde Brandau, Facultad de Derecho, Universidad de Chile, Santiago, Chile. 25 August. <https://youtu.be/a5R663rzC78>
- 2021 Organizer, “Panel Discussion: *The Art of Global Protests: The Decolonial Geographies of Puerto Rico’s Summer 2019 Protests*,” – with Drs. José Atilés, Dr. Aurora Santiago, Adriana Maria Garriga-López, Joaquin Villanueva. Hosted by the Museum of Culture and Environment and Department of World Languages and Cultures, Central Washington University, Ellensburg, WA, 30 April.
- 2021 Panelist, “Roundtable Discussion: *CWU Integrated Energy*,” – with Pres. James Gaudino and Governor Jay Inslee. Samuelson 204, Central Washington University, Ellensburg, WA, 27 April
- 2020 Panelist, “Panel Discussion: *Faculty Insights on Student Success*,” – with Dr. Elizabeth Brown and Dr. Mark Samples. Hosted by the Multimodal Learning, Central Washington University, Ellensburg, WA, 12 August.
- 2020 Panelist, “Virtual Panel Discussion: *U.S. Fulbright Scholars at CWU*,” – with Dr. John Bowen, Dr. Ediz Kaykayoglu, and Sarah Causer. Hosted by the Office of International Studies & Programs, Central Washington University, Ellensburg, WA, 15 May.
- 2018 Panelist, “Roundtable Discussion: *‘Property of...: A Discussion About Street Art, Free Speech, and the Right to Public Spaces,’ Natural Hazards* – with Xavier Cavazos and Drs. Cynthia Mitchell, Chuck Reason, and Rodrigo Renteria Valencia. Hosted by the Museum of Culture & Environment, Central Washington University, Ellensburg, WA, 18 February.
- 2013 Panelist, “Roundtable Discussion: *Natural Hazards – Energy: A System at Risk?*” with Drs. Mark Auslander and Toni Sipic. Hosted by the Cascadia Hazards Institute, Central Washington University, Ellensburg, WA, 10 December.
- 2009 Panelist, “Panel Discussion: *Poverty Alleviation*,” in cooperation with Dr. Kwame Dixon and Alejandro Laplana. Clinton Global Initiative, University Summit. Maxwell Auditorium, Maxwell School of Syracuse University, Syracuse, NY. 21 April, 11:30
- 2005 Panelist, “Panel Discussion: *Puerto Rico*,” in collaboration with Hector Ortíz, Joaquín Villanueva, and Teresa Paniagua. Caribbean Working Group, Moynihan Institute of Global Affairs, Maxwell School, Syracuse University, Syracuse, NY. Room 342

PUBLIC SPEAKER

- 2022 “*Deep Decarbonization Pathways: Planificación Territorial en Contextos de Emergencia Climática*,” public presentation given to the Ministry of Energy, Santiago, Chile, 24 August.

- 2017 “Socio-Environmental Impacts Associated with Resource Extraction in Patagonia, Argentina,” invited public presentation, 14th Annual World Languages Day, Central Washington University, Farrell Hall 401, Ellensburg, WA, May 11th.
- 2017 Keynote Speaker – “Integrated Energy: Transitioning from Fossil Fuels to Alternative Resources,” public presentation given to Our Environment (environmental group), Methodist Church, Ellensburg, WA, May 9th.
- 2017 “The Role of University Programs in Cleantech Innovation,” University Innovation Panel, CleanTech Alliance Breakfast Series, Perkins Coie, Seattle, WA, 12 April.
- 2016 “From Buenos Aires to Patagonia: Research Perspectives from Argentina,” invited lecture to the Geography Awareness Week, Department of Geography, Central Washington University, Dean Hall 106, Ellensburg, WA, 17 November.
- 2016 “Fracking Vaca Muerta: Socio-Economic Implications of Shale Gas Extraction in Northern Patagonia,” invited lecture to the Emeriti Geographers Meeting, Hearthstone, Garden Room, Ellensburg, WA, 10 May.
- 2016 “Integrated Energy Management: Preparing Washington’s Future Energy Workforce,” invited lecture to Energy Northwest Board Meeting, Pasco, WA, 27 April.
- 2016 Keynote Speaker – “Integrated Energy: Transitioning from Traditional to Renewable Resources,” public presentation to the Rotary Club of Yakima, Yakima Convention Center, Yakima, WA, 25 February.
- 2015 “Integrated Energy Management: Preparing Washington’s Future Energy Workforce,” House Energy, Environment, and Telecommunications Committee, Washington State Senate, Olympia, WA, 25 March.
- 2015 “Integrated Energy Management: An Interdisciplinary Approach to Understand Energy Transition,” public presentation to House Technology and Economic Development Committee, Washington State Legislature, HB 1044, Olympia, WA, 13 January.
- 2014 “The Socio-Ecological Contradictions of the Petrochemical Revolution in Venezuela,” public presentation to Wild Horse 2014 Kick Off and Earth Month, Wild Horse Wind and Solar Facility and Renewable Energy Center, Ellensburg, WA, 5 April.
- 2014 “Social, Economic and Environmental Impacts of Resource Extraction Industries in Latin America,” public presentation to the Independent Order of Odd Fellows, Ellensburg, WA, 27 February.

2014 “Not Your Average Career Move,” invited guest presentation for students sponsored by Career Services, ARC Brooks Library, Central Washington University, Ellensburg, WA, 16 January.

RADIO & TV INTERVIEWS

2021 “COVID-19 Vaccination, Faculty Senate CWU,” KIMA – CBS Affiliate Channel 29, conducted by Victor Park, 2 March.

2015 “Institute for Integrated Energy Studies,” NEWStalk (870 AM KFLD). Program: “Meet in the Middle,” conducted by Christine Brown, 10 December.

2004 “West Nile Virus in Puerto Rico: how medical geography can help to understand this disease,” Radio Sol (92.1 FM). Program: “El Altar Familiar,” conducted by Dr. Frank Benítez. 24 June.

2004 “Issues in medical geography: experiences in Peru, Venezuela, and Puerto Rico,” Radio Universidad de Puerto Rico (88.7 FM). Program: “Hilando fino desde las ciencias sociales,” conducted by Dr. Israel Rivera, 3 June.

PROFESSIONAL AFFILIATIONS

- American Association of Geographers
- Association of Pacific Coast Geographers
- Conference of Latin Americanist Geographers
- Latin American Studies Association
- Sociedad de Geógrafos de Puerto Rico