

# ELVIN E. DELGADO

Institute for Integrated Energy Studies • Department of Geography  
Central Washington University

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## EDUCATION

- 2012      Ph.D., Geography, Maxwell School of Citizenship and Global Affairs, Syracuse University, Syracuse, NY  
Dissertation title: *"Spaces of Socio-Ecological Distress: Fossil Fuels, Solar Salt and Fishing Communities in Lake Maracaibo, Venezuela"*
- 2002      M.S., Geography (specialization in Health Geography), University of Akron, Akron, OH
- 1999      B.A., Geography, University of Puerto Rico at Río Piedras, San Juan, PR

## RESEARCH AND TEACHING INTERESTS

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

## ACADEMIC EMPLOYMENT

- 2017-PRESENT      Associate Professor, Department of Geography, Central Washington University, Ellensburg, WA
- 2015-PRESENT      Creator and Program Director, B.S. in Integrated Energy Management, College of the Sciences, Central Washington University – <http://www.cwu.edu/energy>
- 2014-PRESENT      Creator and Founding Director, Institute for Integrated Energy Studies, College of the Sciences, Central Washington University – <http://www.cwu.edu/energy>
- 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.

[JCDREAM Board of Directors Link](#)

## PUBLICATIONS

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, pp. 330-346.

Delgado, E. (2017) "From *Wetland* to *Saltland*: 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. (2012). "Oil and natural gas drilling." In *Encyclopedia of Energy*, (Ed.) M. Pierce, Golson Media: Salem Press. Vol 1, pp. 955-959. ISBN: 978-1-58765-849-5

Delgado, E. (2012). "Venezuela." In *Encyclopedia of Energy*, (Ed.), M. Pierce, Golson Media: Salem Press. Vol. 1, pp. 1317-1319. ISBN: 978-1-58765-849-5

Delgado, E. (2001) "SIGAS: Un Sistema Geográfico de Administración de Salud," with Angel David Cruz-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.

## Submitted

Delgado, E. "Fracking Vaca Muerta: Socio-Economic Implications of Shale Gas Extraction in Northern Patagonia, Argentina." Submitted to *Journal of Latin American Geography*.

## In Preparation

Delgado, E. "The Salt of the Earth: Socio-Ecological Contradictions of the Petrochemical Revolution in Venezuela." (Tentative title) For submission to *Geoforum*.

## JOURNAL SPECIAL ISSUE ORGANIZATION

- *Journal of Latin American Geography*, "Petro-Geographies and Hydrocarbon Realities in Latin America," co-organized with Matthew Fry (University of North Texas). Anticipated publication: Fall 2018.

## MAP PRODUCTION

- 2003 Vieques (color topographic reference map). In Ana M. Fabián, *"Vieques en mi memoria: Testimonios de vida de ciudadanos Viequeses,"* Ediciones Puerto Rico, San Juan 2003, pp. 360. ISBN: 978-0942347838.
- 2000-02 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*

- 2014 *President Innovation Fund.* Grant proposal submitted on a competitive basis (University wide) to establish the Institute for Integrated Energy Studies (I2ES) 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 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)
- 2006–07 Principal Investigator, Fulbright-Institute for International Education Full Grant, "Petro-Capitalism: Environmental Degradation of Lake Maracaibo and the Effects on the Fishing Community of Ancón de Iturre," (\$23,200).

#### *Not Funded*

- 2016 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).

## HONORS AND AWARDS

- 2018 *Most Inspirational Faculty Award* by the Center for Leadership and Community Engagement, Central Washington University, Ellensburg, WA.
- 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 *Honoring Our Professors' Excellence Award, National Residence Hall Honorary*, Central Washington University, Ellensburg, WA
- 1999 Outstanding Undergraduate Student of the Year, Awarded by "*Sociedad de Geógrafos de Puerto Rico.*" Department of Geography, University of Puerto Rico, Río Piedras, Puerto Rico.

## UNIVERSITY TEACHING

### *Assistant Professor*

### *Central Washington University*

- 2018 **Geography Capstone** (GEOG 489), Department of Geography
- 2017 **Geopolitics of Fossil Fuels** (IEM 330), Integrated Energy Management, Department of Geography (developed course)
- 2016 **Energy Management** (IEM 301), Integrated Energy Management, Department of Geography (developed course)
- 2014, 2015 **Introduction to Graduate Research** (REM 505), Cultural & Environmental Resource Management Graduate Program (x2)
- 2014, 2016 **World Regional Geography** (GEOG 101), Department of Geography, 2015  
2017 (developed online course) (x3)
- 2014, 2016 **Introduction to Human Geography** (GEOG 108), Department of Geography (developed online course) (x2)
- 2013 **Society and the Politics of Nature** (DHC 251), Douglas Honors College (developed course)
- 2013-2017 **Alternative Energy Resources and Technologies** (GEOG 442), Department of Geography (x5)
- 2013-2014 **World Regional Geography** (GEOG 101), Department of Geography (x2)
- 2013 **Introduction to Human Geography** (GEOG 108), Department of Geography
- 2012, 2013, 2014, 2015 **Energy and Society** (ENST 310), Environmental Studies Program (x4)

2012-2017      **Resource Management Colloquium** (REM 506), Cultural & Environmental Resource Management Graduate Program (x3)

## **GRADUATE STUDENT SUPERVISION**

### *Advisor*

2017-PRESENT      Paige Mcnorvell, M.S., Cultural & Environmental Resource Management Graduate Program – (thesis – Socio-Environmental Impacts of a Proposed Coal Export Terminal on the Cowlitz Tribe, WA), *Expected defense June 2019.*

2015-PRESENT      Brian Straniti, M.S., Cultural & Environmental Resource Management Graduate Program – (thesis – Fracked Perception: A Study of Dimock, PA’s Economic, Ecological, and Socio-Cultural Perceptions of Hydraulic Fracturing Over Time), *Defended November, 2017.*

2014-PRESENT      Janessa Zucchetto, M.S., Cultural & Environmental Resource Management Graduate Program – (thesis – Why Now? A Case Study of Split Estate and Fracking Activity in Garfield County, Colorado), *Defended January, 2017.*

### *Committee Member*

2016- PRESENT      Sam Pfeifer, M.S., Cultural & Environmental Resource Management Graduate Program (*thesis topic:* Residential Solar Uptake in Washington State), *In progress.*

2016- PRESENT      Christina White, M.S., Cultural & Environmental Resource Management Graduate Program (*thesis topic:* Situating Subsistence in Neoliberal Economies: Columbia Salmon Fisheries), *In progress.*

2014-2015      Kara Mowery, M.S., Cultural & Environmental Resource Management Graduate Program (*thesis topic:* A study of motivating forces behind downtown revitalization projects in Spokane, WA) *Completed.*

2013-2015      Tiffany J. Waters, M.S., Cultural & Environmental Resource Management Graduate Program (*thesis topic:* seafood production and the impacts to tribal nations in Washington), *Completed.*

2013-2015      Andrea Watson, M.S., Cultural & Environmental Resource Management Graduate Program (*thesis topic:* an analysis of the socio-economic impacts resulting from the Ellsworth Creek Preserve in Pacific County, Washington) *Completed.*

### *Graduate Student Awards*

2016      Brian Straniti, M.S., “Fracked Perception: A Study of Dimock, PA’s Economic, Ecological, and Socio-Cultural Perceptions of Hydraulic Fracturing Over Time,” CWU Graduate Student Summer Research Fellowship, (\$3,500 – HSRC Approval #H16094)

- 2015 Janessa Zuchetto, “*Investigation of the impacts of fracking on social well-being in relation to split-estate right in Garfield, Co, Colorado,*” CWU Graduate Summer Research Fellowship, (\$3,500 – HSRC Approval # H15091)
- 2015 Janessa Zuchetto, “*Investigation of the impacts of fracking on social well-being in relation to split-estate right in Garfield, Co, Colorado,*” 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**

- 2016 Gavin Schag, B.S., Geography, McNair Scholar Program (*undergraduate thesis: UAV Photogrammetry: A Comparison of LiDar & Structure from Motion Software for DEM Construction*) in progress.

*Supervised Undergraduate Research Presentations*

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

**SERVICE**

***Departmental Service***

*Central Washington University*

- 2016 Member of the Search Committee for T\*T Planner Geography Position, Department of Geography, Central Washington University
- 2015 Curriculum Committee, Department of Geography, Central Washington University

- 2015 Search Committee for 'T' 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 FTN'TT, Department of Geography, Central Washington University
- 2013-PRESENT Director, Energy Studies Minor, Department of Geography, Central Washington University
- 2013-2014 Curriculum Committee, Department of Geography, Central Washington University
- 2012-2013 Geography Department Program Review, Central Washington University

***University Service***

*Central Washington University*

- 2016 Chair, Search Committee for the Manager Position, Institute for Integrated Energy Studies, Central Washington University
- 2016 Member of Steering Committee, Social Justice & Human Rights Dialogues, Central Washington University
- 2016 Member of Search Committee for Vice President of University Advancement, University Advancement, Central Washington University
- 2015 Member of the 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 of the CWU Education Development Mission to Spain, Office of the President, Central Washington University, June 25 – July 2, 2015.
- 2015-PRESENT Program Director, B.S. Integrated Energy Management, College of the Sciences, Central Washington University - <http://www.cwu.edu/energy/what-iem>
- 2015-2016 Committee member of Core Theme 3: Scholarship and Creative Expression. Developed specific strategies and gave recommendations of how to support faculty in these two areas.
- 2014-PRESENT 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***

- 2015-PRESENT 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 of the North American Cartographic Information Society (NACIS)

***External Grant Proposal Reviewed***

- 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 (n=1)
- Geoforum (n=5)

***Invited Review of Book Chapters & Book Proposal:***

Book Proposals

- 2016 Environment & Sustainability | Development Studies, Routledge - Earthscan

Book Chapters

- 2016 Earth Sciences at Oxford University Press

**PROFESSIONAL SERVICE**

- 2017- PRESENT Member of the Utility Advisory Committee, City of Ellensburg.



- 2015-PRESENT Scientific Advisor, Observatorio de la Sostenibilidad.  
<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**

- 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
- 2006 Research Assistant, book chapter titled: ‘Environmental Governance: a review and critique’. Written by Bridge, G. and Perreault, T (2009). In *A Companion to Environmental Geography*. Blackwells. Eds. Castree, Demeritt, Rhoads, Liverman, pp. 475-497. (Data collection and annotated bibliography in the areas of ‘Environment and Development,’ specifically in the subfields of conservation, livelihoods, sustainability, and institutions between 1990-2000).
- 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

- 2003-07 Syracuse University Future Professoriate Program (FPP), directed by Dr. Mark Monmonier
- 2003-04 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.
- 2000-01 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**

- 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**

- 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**

- 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 Bontances, 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**

- 2018 “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 “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 “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 “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**

- 2017 “Socio-Environmental Impacts Associated with Resource Extraction in Patagonia, Argentina,” invited public presentation, 14<sup>th</sup> Annual World Languages Day, Central Washington University, Farrell Hall 401, Ellensburg, WA, May 11<sup>th</sup>.
- 2017 “Integrated Energy: Transitioning from Fossil Fuels to Alternative Resources,” public presentation given to Our Environment (environmental group), Methodist Church, Ellensburg, WA, May 9<sup>th</sup>.
- 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 INTERVIEWS**

- 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**

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

#### **SPECIALTY GROUPS**

*Association of American Geographers*



Cultural and Political Ecology  
Economic Geography  
Energy and Environment  
Health and Medical Geography  
Latin America  
Socialist and Critical Geography  
***Latin American Studies Association***  
Environment  
Health Science and Society  
Venezuelan Studies