

CECILIO ORTIZ GARCIA

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EDUCATION

- 1999 PhD Environmental Policy and Public Administration, School of Public Affairs, Arizona State University, Tempe, AZ.
- 1996 Master of Public Administration, Governors State University, University Park, IL.
- 1988 Bachelor of Science - Management, Park College, El Paso, TX.

MAJOR AREAS OF INTEREST

Energy Transitions and Governance in Puerto Rico and the Caribbean, Energy and Environmental Issues in the US-Mexico Border, Puerto Rico and the Caribbean, Energy Governance Analysis and Design, Social Acceptance of Renewable Energy Technologies, Energy Policy and Regulatory Analysis in the US, Comparative Environmental Policy Analysis and Evaluation, Environmental Justice and Sustainable Development Issues, Knowledge Organization and Co-Production, Science of Team Science, interdisciplinary/transdisciplinary research, Transition and Knowledge Management.

ACADEMIC APPOINTMENTS

- 2020-20 Hubert H. Humphrey Distinguished Visiting Professorship of Environmental Studies at Macalester College.
- 2019-20 Senior Fellow, RISE at the National Council for Science and the Environment, hosted by Penn State University's Institutes for Energy and the Environment.
- 2019 Summer Energy Security and Resilience Summer Research Scholar at Penn State University, State College PA.
- 2019-present Fellow at the Global Resiliency Institute, Northeastern University
- 2019-Present Senior Fellow in Resilience Thinking, National Council for Science and the Environment
- 2018 Summer Visiting Fellow at the Program of Latin American Studies, Princeton University
- 2017 Visiting Fellow, School for the Future of Innovation in Society, Arizona State University, Tempe, Arizona
- 2016 Co-Director of the UPR's National Institute for Energy and Island Sustainability Steering Committee

- 2015 Full Professor of Political Science, Department of Social Sciences at University of Puerto Rico-Mayaguez
- 2007 Associate Professor of Political Science, Department of Social Sciences at University of Puerto Rico-Mayaguez
- 2006 - 2007 Assistant Professor of Public Administration at the Roberto Sanchez Vilella Graduate School of Public Administration, University of Puerto Rico-Rio Piedras
- 2004 - 2006 Assistant Professor of Political Science at the Department of Political Sciences, University of Texas-Permian Basin
- 2001 - 2004 Visiting Assistant Professor of Political Science at the Department of Political Sciences, University of Texas-El Paso
- 2001 - 2004 Visiting Assistant Professor at the Chicano Studies Department, University of Texas-El Paso
- 2000 - 2004 Lecturer at the Entering Student Program, University of Texas-El Paso
- 1997 – 1999 Faculty Associate at the School of Architecture & Environmental Design, Arizona State University, Tempe, Az.

NON-ACADEMIC/COMMITTEE APPOINTMENTS

- 2020- present Union of Concerned Scientists, Center for Science and Democracy- Science activism and Advocacy Work Group

PUBLICATIONS

PEER REVIEWED

Ruiz Victor, Ortiz Garcia Cecilio, (In Process) "Restoration versus Transformative Adaptation in Community Water Aqueduct Systems after Hurricane Maria in Puerto Rico" in "Analysis of Pre and post Disaster Management and Recovery in Puerto Rico from Hurricane Maria", Special Issue of the Journal of Emergency Management

Ortiz Garcia, Cecilio, Cordero Casillas Jan, Roque, Anais (In Progress) "Power Corrupts: A Systemic Analysis of Corruption and Energy Governance in Puerto Rico" in "Beyond Corruption: From Colonial Practices to Emancipatory Futures in Puerto Rico", El Centro Journal, Center for Puerto Rican Studies, Hunter College

Asencio, Ortiz Garcia, Cecilio (In Progress) "Transferring Common Pool Resources Governance for Community Aqueducts onto Community Microgrids: An In-depth Case Study of Corcovada Arriba, Puerto Rico." in "Centering the Environment, Energy and Social Justice Struggles in Puerto Rico and the Puerto Rican US Diaspora", El Centro Journal, Center for Puerto Rican Studies, Hunter College

- Roque, Anais, Cordero, Jan, Ortiz Garcia, Cecilio, Perez Lugo, Marla (In Progress) "A Political Ecology Approach to Energy Production in Puerto Rico", in "Centering the Environment, Energy and Social Justice Struggles in Puerto Rico and the Puerto Rican US Diaspora", El Centro Journal, Center for Puerto Rican Studies, Hunter College
- Hernandez, Diana, Ortiz Garcia, Cecilio (In Progress) "Centering the Environment, Energy and Social Justice Struggles in Puerto Rico and the Puerto Rican US Diaspora", El Centro Journal, Center for Puerto Rican Studies, Hunter College
- Perez-Lugo, Marla and Cecilio Ortiz-Garcia (In Progress) "Visualizing Power: Exploring Stakeholders Visions for the Future of Puerto Rico's Electric System"
- Ortiz García, C. (*Forthcoming*). "The Public Administration of Energy Transformations: An Island Perspective"; in *La Administración Pública de la Energía: Clave para la Sostenibilidad Puertorriqueña*. *Revista de la Escuela Graduada de Administración Pública*, Universidad de Puerto Rico,
- Rodriguez-Martinez, Manuel, Efrain O'Neill-Carrillo, Marla Perez-Lugo, Fabio Andrade, Wilson Rivera, Agustin Irizarry, Rafael Rodriguez-Solis, Cecilio Ortiz-Garcia, Eduardo Lugo (2016). "A case for Open Access Smart Grids (OASIS)" Proceedings of the 2016 IEEE Conference on Technologies for Sustainability (SusTech). <https://ieeexplore.ieee.org/document/7897162/>
- Ortiz Garcia, C. and O'Neill Carrillo, E. (2016) "The Role of Engineers as Policy Entrepreneurs Towards Energy Transformations"; Proceedings of the American Society for Engineering Education, 2016 *ASEE Annual Conference & Exposition*; New Orleans, Louisiana.
- Orama L., Maldonado, F., Ruiz, O.E., Estevez, N.S., Ortiz Garcia, C. (2013) Computations of Energy Efficiency Potential in Puerto Rico; *International Journal of Engineering and Innovative Technology*, Volume 2, Issue 8.
- Oneill Carrillo, E., Ortiz Garcia, C., Perez Lugo, M., Baiges, I., Minos, S. (2010) "Experiences with Stakeholder Engagement in Transitioning to an Increased Use of Renewable Energy Systems", *IEEE Magazine*; Washington, DC.
- Ortiz Garcia C., Oneill, E. Frey B., Perez Lugo, M., (2008) Sustainable Energy: Balancing the Economic, Environmental and Social Dimensions of Energy; Proceedings of the IEEE Conference Proceedings of Energy 2030, Atlanta, GA
- Ortiz Garcia C., Oneill, E. Frey B., Perez Lugo, M. (2008), Advancing a Sustainable Energy Ethics through Stakeholder Engagement; IEEE Proceedings of Energy 2030, Atlanta, GA
- C. Ortiz-Garcia and M. Perez Lugo (2008) "El Papel del Académico/Experto en los Procesos de Política Pública en Puerto Rico: Explorando el Liderazgo Político" [The Role of the Academic/Expert in the Policy Process in Puerto Rico] AERYC. March.
- Ortiz García (2007) "Administración y Medio Ambiente: Un acercamiento interdisciplinario" *Revista de Administración Pública*; Volumen 39, Numero 2, *Escuela Graduada de Administración Pública*, Universidad de Puerto Rico, Río Piedras

SYMPOsia

- Ortiz García, C. (2015) ““La Administración Pública de la Energía: Clave para la Sostenibilidad Puertorriqueña”. Revista de la Escuela Graduada de Administración Pública.
- Ortiz García, C. (2007) "Administración y Medio Ambiente: Un acercamiento interdisciplinario" Revista de Administración Pública; Volumen 39, Numero 2, Escuela Graduada de Administración Pública, Universidad de Puerto Rico, Río Piedras

BOOK CHAPTERS AND EDITED VOLUMES

- Perez-Lugo, Marla, Cecilio Ortiz-Garcia and Didier Valdes (Forthcoming) “Understanding Hurricane Maria: Disaster Response as Transition Management.” Chapter for the edited volume Hurricane Maria in Puerto Rico: Disaster, Vulnerability & Resiliency by Marie Mora, Alberto Dávila and Havidán Rodríguez.
- Ortiz-Garcia, Cecilio, and Marla Perez Lugo (Forthcoming) “Beyond the Ivory Tower: Exploring the Role of Universities Towards Sustainable Energy Transitions in Post Disaster Environments.” Chapter on The Energy Democracy Handbook, edited by Andrea M. Feldpausch-Parker.
- Ortiz García, Cecilio, Marla Perez Lugo and Javier Nieves Torres (Book in progress) “From Sikorsky to Tesla: Exploring the Limits of Puerto Rico’s Energy Transitions”.
- Cecilio Ortiz García and Marla Pérez Lugo (2017) “UPR y Recortes Presupuestarios: Implicaciones en la Docencia, la Investigación y los Servicios” In the book Comentarios a la Reforma Laboral. Ed. Carlos Ala Santiago Rivera. Available at <https://bibliotecaap.wordpress.com/2017/06/05/comentario-a-la-reforma-laboral-2017-libro/>.
- M. Pérez-Lugo, E. O’Neill-Carrillo, C. Ortiz-García, A. Irizarry-Rivera, J. Colucci-Rios (2011) “Instituto Tropical de Energía, Ambiente y Sociedad: Un acercamiento transdisciplinario al problema energético de Puerto Rico.” In the edited volumen Utopías: Otras Universidades Posibles by Lissette Rolon, Centro de Publicaciones Académicas. University of Puerto Rico-Mayaguez, PR.
- Ortiz García, C. and Perez Lugo, M. (2009), Community Perceptions and Attitudes about locating a pilot wind farm in Vieques: Recommendations for effective communication and public participation strategies; Research Report, Tropical Institute of Energy, Environment and Society; University of Puerto Rico- Mayaguez Press.
- Ortiz García C. and Perez Lugo, M. (2008), Energía Sostenible: Antología de lecturas del Instituto Tropical de Energía, Ambiente y Sociedad; Tropical Institute of Energy, Environment and Society; University of Puerto Rico- Mayaguez Press

SCIENTIFIC REPORTS

- Jaramillo, Loraima; Lionel Orama; Marla Perez Lugo; Cecilio Ortiz; Marcel Castro and Jonathan Castillo (2018) Puerto Rico’s State of Energy Report – 2017. Submitted to the Puerto Rico’s Office of Energy Policy.

- Jaramillo, Loraima; Lionel Orama; Marla Perez Lugo; Cecilio Ortiz; Marcel Castro and Jonathan Castillo (2017) Puerto Rico's State of Energy Report – 2016. Submitted to the Puerto Rico's Office of Energy Policy.
- Ortiz-Garcia, Cecilio and Marla Perez Lugo (2017) "Chapter on Energy Issues" in the Puerto Rico Climate Change Council Report 2017.
- Jaramillo, Loraima; Lionel Orama; Marla Perez Lugo; Cecilio Ortiz; Marcel Castro and Jonathan Castillo (2016) Puerto Rico's State of Energy Report – 2015. Available at <http://www.oeppe.pr.gov/Temas%20de%20Inters/Informe%20Anual%20Situacion%20Energetica%202015-Final.pdf>
- Perez Lugo, Marla; Cecilio Ortiz Garcia, Victor Ruiz Aviles, Lionel Orama, Luis Rodriguez, Bryan Santana, Fernando Vargas and Rafael Vega (2016) "Identificación de Recursos Energéticos Renovables para Acueductos Comunitarios Sostenibles". Submitted to the Puerto Rico's Office of Special Communities.
- Ortiz Garcia, C. and Perez Lugo, M. (2014) "A Collaborative Strategy for Stakeholder Engagement in the El Yunque National Forest Planning Process"; Final Report to the United States Forest Service, USDA
- Ortiz Garcia, C. and Perez Lugo, M. (2013) "Sociopolitical Acceptance to the Installation of a Wind Turbine Project in Santa Isabel, Puerto Rico"; Final Report to Aspenall Energies, LLC , Dorado, Puerto Rico.
- Ortiz Garcia, C. and Perez Lugo, M. (2012) "Social Acceptance to the Installation of a Single Wind Turbines to power a PRASA Water Treatment Facility in Camuy, Puerto Rico" Final Report to Aspenall Energies, LLC, Dorado Puerto Rico.
- Ortiz Garcia, C. and Perez Lugo, M. (2010) "Social Acceptance to the Installation of Wind Turbines in Bacardi, Cataño Puerto Rico" Final Report to Aspenall Energies, LLC, Dorado, Puerto Rico.
- Ortiz Garcia (2004) in Bassford, Ledford and Lemus, et. al. "US/Mexico Border Air Quality." Air of Injustice: How Air Pollution Affects the Health of Hispanics and Latinos. League of United Latin American Citizens, Washington, DC.
- Ortiz Garcia (2004) in Bassford, Ledford and Lemus, et. al. "Our Shifting Borders: Changes in Hispanic/Latino Demographic Patterns and its Environmental Justice Implications." Air of Injustice: How Air Pollution Affects the Health of Hispanics and Latinos. League of United Latin American Citizens; Washington D.C.
- Ortiz Garcia (2004) in Bassford, Ledford and Lemus, et. al. "The Urban Forest of the New Millennium: Hispanics Preserving the Lungs of San Juan." In Air of Injustice: How Air Pollution Affects the Health of Hispanics and Latinos. League of United Latin American Citizens; Washington D.C.
- Ortiz Garcia (2003) "Promoting Bi-National Cooperation for Water Management in the Paso del Norte Region". Environmental Defense, New York
- Ortiz Garcia C., Ashur S. and Mushkatel, A. (2002) "Development of a Risk Management System for the Transportation of Hazardous Wastes across the U.S./Mexico Border: The Case of El Paso-Ciudad

Juarez." The Southwest Center for Environmental Research and Policy, The University of San Diego.

NON PEER REVIEWED

Perez Lugo, M. and Cecilio Ortiz García (2018) "El problema con la autogestión". Opinion piece published by El Nuevo Día, Digital Version on May 8.

<https://www.elnuevodia.com/opinion/columnas/elproblemaconlaautogestion-columna-2420951/>

Instituto Nacional de Energía y Sostenibilidad Isleña (2018) "Manual para el Consumidor de Energía Eléctrica. Developed for the Independent Office for Consumer Protection.

<https://www.scribd.com/document/380760252/Manual-del-Consumidor-de-Energia-Elctrica-de-Puerto-Rico>

Ortiz-García C. and M. Perez Lugo (2017) "El Dilema Social de la UPR". Opinion piece published by El Nuevo Día, Digital Version, on February 17.

Ortiz García, C. and M Perez Lugo (2016) "Privatizar la AEE, ¿para qué?" Opinion piece published by El Nuevo Día, Digital Version, on October 10.

Ortiz-García, Cecilio (2016) "PUERTO RICO VOTA CONCIENCIA: POLÍTICA PÚBLICA." Ciencia-PR, Blog. August 26. <https://www.cienciapr.org/es/blogs/equipo-informa/puerto-rico-vota-conciencia-politica-publica>

Ortiz García, Cecilio and Marla Perez Lugo (2015) Catalog of Resources in Energy and Sustainability in the System of the University of Puerto Rico. National Institute for Energy and Island Sustainability and the UPR President's Office, University of Puerto Rico. <https://inesi.upr.edu/catalogo.php>

M. Pérez-Lugo and Cecilio Ortiz García (2009) "De Agendas, Alternativas y Políticas Públicas: Energía y la Sociedad Puertorriqueña" [Special Article for the Series on Renewable Energy published by the Semanario Claridad].

Ortiz García C. (2008), Green Business, Renewable Energy, and a Sustainable Puerto Rico; Caribbean Business; Santurce Puerto Rico .

Ortiz García C. (2008), Oposición comunitaria y ambientalista al Gasoducto: la necesidad de cambio en el manejo de nuestros recursos; Revista de la Cumbre Social de PR; San Juan Puerto Rico

Ortiz García (2008), Energía renovable sostenible; Revista de la Cumbre Social de PR, San Juan, Puerto Rico

RESEARCH PROJECTS

- 2020 Co-PI for the project “Exploring the Experiences of University Students Evicted from their On-Campus Housing During the COVID-19 Pandemic: An International Comparison” in collaboration with Marla Perez Lugo (PI) (University of Puerto Rico-Mayaguez), Haouri Wu (Dalhousie University) and Frances Gonzalez. Funded by the Quick Response Research Grants Program at the Natural Hazards Research Center, University of Colorado-Boulder
- 2020 Co- PI in the project “RISE-PR: Coordinating University Responses to the Puerto Rico Seismic Sequence.” Funded by Oxfam and the Puerto Rico Science and Technology Trust.
- 2020-2022 Co-PI for the Power in Puerto Rico: Socio-Technical Imaginaries Infrastructure Publics and Electricity, in collaboration with Jennie Stephens, Northeastern University, Laura Kuhl, Northeastern University, and Marla Perez Lugo, University of Puerto Rico-Mayaguez, Funded by NSF- STS Program
- 2019-2021 Senior personnel for the “Developing socially and economically generative, resilient PV-energy systems for low- and moderate-income communities: Applications for Puerto Rico” in collaboration with Dr. Clark Miller (PI), Arizona State University and Dr. Fabio Andrade (Co-PI), University of Puerto Rico-Mayaguez. Funded by the US Department of Energy.
- 2019 Researcher for the “State of Energy in Puerto Rico-2018”. Funded by the Puerto Rico’s Office of Energy Policy.
- 2018-19 Researcher for the “State of Energy in Puerto Rico-2017”. Funded by the Puerto Rico’s Office of Energy Policy.
- 2017-18 Researcher for the “State of Energy in Puerto Rico-2016”. Funded by the Puerto Rico’s Office of Energy Policy.
- 2016-17 Researcher for the “State of Energy in Puerto Rico-2015”. Funded by the Puerto Rico’s Office of Energy Policy.
- 2015 – present Senior Personnel on the “Open Access Smart Grids” Project (Interdependent Electric and Cloud Services for Sustainable, Reliable and Open Smart Grids). Funded by the Critical Resilient Infrastructure Systems and Processes Program at the National Science Foundation. Grant No. ACI-1541106.
- 2015-16 Co-Principal Investigator with Dr. Cecilio Ortiz Garcia in the study “Identificación de Recursos Energéticos Renovables para Acueductos Comunitarios Sostenibles”. Funded by the Programa PAIS, the Puerto Rico’s Office of Special Communities and the National Institute of Energy and Island Sustainability

- 2014 Principal Investigator. Banco de Talentos y Acervo de Iniciativas dentro del Sistema UPR sobre Asuntos Energéticos;. Funded by the UPR Presidents Office, University of Puerto Rico.
- 2012-13 Co-Principal Investigator with Dr. Cecilio Ortiz Garcia in the study “A Participatory Approach to the Development of a New Management Plan for the El Yunque National Forest.” Funded by the US Forest Service.
- 2012 Co-Principal Investigator in the project “An Analysis of the Sociopolitical Acceptance of Wind Farms in Santa Isabel, PR”. Funded by Aspenall Energies, LLC.
- 2010 - 2011 Co-Principal Investigator with Dr. Rivera Santos, Dr. Walter Silva, and Dr. Cecilio Ortiz in the Study “Proyecto de Educación y Participación Comunitaria Plan de Manejo de Escorrentías”. Funded by the Municipality of Mayaguez.
- 2008 – 2013 Co-Principal Investigator Sustainable Development for Rural Communities: Social, Health, Economic and Environmental Advances. United States Department of Education
- 2008 – 2008 Principal Investigator. Analysis of Community Perceptions and Attitudes about Locating a Pilot Wind farm in Vieques to Provide Recommendations for Effective Community Participation and Education Strategy. Funded by Aspenall Energies, LLC.
- 2004 Scientific Advisor. Airs of Injustice: How Air Pollution Affects the Health of Hispanics and Latinos. Funded by the League of United Latin American Citizens.
- 2003 Principal Investigator. Promoting Collaborative Partnerships for Water Management in the Paso del Norte Region. Funded by the Environmental Defense Fund.
- 2001 Principal Investigator. Development of a Risk Management System for the Transportation of Hazardous Wastes on the US-Mexico Border: A Case Study of El Paso/Ciudad Juárez.". Funded by Environmental Protection Agency through the Southwest Center for Environmental Research and Policy, University of Texas at El Paso

PRESENTATIONS/CONFERENCES

- Panel discussion on the film “Disempowered: Puerto Rico’s Perfect Storm.” Organized by the Cornell Atkinson Center for Sustainability at Cornell University, NY. January 30, 2020.
- “Topical Lunch: Higher Learning in the Anthropocene.” Presentation at the Cornell Atkinson Center for Sustainability. Cornell University, NY. January 30, 2020.
- “Sociotechnical Systems Approach to Sustainable Energy Transitions” Presentation at the National Renewable Energy Laboratory, at Denver, CO. December 9, 2019.
- “Universities as Agents of Change: Towards A New Framework for University Interventions in Disasters.” Delivered at the Department of Geography, Penn State University, on June 11, 2019.
- Panel presentation at Penn State Energy Days, “Energy Security” May 29-30, at The Penn Stater Conference Center. <https://energydays.psu.edu/2019-speakers/>

- Roundtable Presentation at the Film Screening of “DisemPOWERed: Puerto Rico’s Perfect Storm.” SUNTA/SANA Conference at the UPRRP School of Law. May 3.
https://www.canva.com/design/DADW1_toWdU/eBVEqwxwopN2Kweslw3uicg/view?utm_content=DADW1_toWdU&utm_campaign=designshare&utm_medium=link&utm_source=sharebutton
- “Universities as Agents of Change in Disasters: In Search for Sustainable Transitions.” 13th International Conference "University Resilience and Renaissance: The Challenge of Climate Change and Other Global Shifts" at the Sheraton Puerto Rico Hotel & Casino, San Juan, Puerto Rico, May 1-3.
https://www.hacu.net/hacu/International_Conference.asp
- “Reflections on the Ethics of University-Community Interventions in Post-Disaster Environments.” Panel presentation at the Congreso Latinoamericano y del Caribe De Instituciones de Bioética (FELAIBE 2019). Universidad Interamericana de Puerto Rico, Recinto Metropolitano. April 12, 2019.
<http://www.bioeticachile.cl/felaibe/>.
- Plenary Panel discussion “Applying the Convergence of Knowledge, Technologies, and Science to Resilience Thinking: The Case of RISE-PR and the Reconstruction of Puerto Rico’s Electric System” at the NCSE 2019 Annual Conference: Sustainable Infrastructure & Resilience. January 9, 2019. Washington, DC. <https://ncseconference.org/>.
- “Exploring the Ethical Dimensions of “Post-Disaster” University Interventions.” Presentation/workshop at the Resilience of Interdependent Infrastructure Systems: A CRISP/RIPS Grantees Workshop, held at George Mason University on December 5-6, 2018 - Arlington, VA.
<http://civil.gmu.edu/crisp/>
- “A New Ethic for University/Community Engagement in a Climate Change Era.” Invited Lecture at the “Decentered Center” Lecture Series at the School of Architecture, University of Minnesota at Minneapolis. November 17, 2018. (<https://www.ilhumanities.org/2018-people-powered-publishing-conference-sessions/>)
- “The Media’s Coverage of Hurricane María.” Discussion Panel on Social Justice Stories Across Diasporas: Lessons from Reporting on Chicago and Puerto Rico at the 2018 People-Powered Publishing Conference. Funded by the "Democracy and the Informed Citizen" Initiative of the [Federation of State Humanities Councils](#). November 15, 2018.
<https://www.ilhumanities.org/events/people-powered-publishing-conference-2018/>.
- “Reenvisioning University-Community Relations Towards Resilience” Panel presentation at the webinar *Actionable Science Solutions for Local Resilience* organized by the National Council for Science and the Environment. October 2018; <https://www.ncseglobal.org/webinars>
- “Looking for Picasso: INESI and the Challenge of Painting a Picture of Post-Maria Reconstruction”. Panel presentation at the webinar *Rebuilding in Puerto Rico: Universities as Leaders in Community Resilience*. Organized by the National Council for Science and the Environment.
<https://www.ncseglobal.org/webinars>
- “The Role of Universities in the Reconstruction of Puerto Rico’s Electric System”. Presentation delivered at the Smart Electric Power Alliance (SEPA). SEPA Headquarters, Washington, DC. September 14, 2018. (<https://sepapower.org>)

- "Maria and the Tale of Two Puerto Ricos" Guest Speaker at the panel on designing community interventions in the Architecture as Catalyst Workshop. Coordinated by the School of Architecture at the University of Minnesota. March, 2018
- "Energy Innovation and Disaster Response in Puerto Rico". Presentation delivered at the Eradicating Poverty through Energy Innovation Workshop, organized by the School For the Future of Innovation in Society at Arizona State University, Tempe, AZ. February, 2018.
- "Puerto Ricans in the Dark: Decaying Critical Infrastructure and the Need for Sustainable Energy Future" Invited Speaker at the "De Tripas Corazones Symposium" on the topic of the impact of Hurricane Maria in Puerto Rico. Organized by the School for Transborder Studies at Arizona State University, Tempe AZ. November, 2017.
- "From Smart Grids to Smart Communities: Social Science/Engineering Convergence Towards the Analysis of Energy Transformations in the Caribbean." 4th European Conference on Behaviour and Energy Efficiency (Behave 2016), University of Coimbra, Portugal. September, 2016.
- "Interdependent, Social, Political and Technological Systems: A New Model for Smart Grids and Energy Transformations." 4th European Conference on Behaviour and Energy Efficiency (Behave 2016), University of Coimbra, Portugal. September, 2016.
- "El Papel del Académico/Experto en los Procesos de Política Pública en Puerto Rico: Explorando el Liderazgo Político" [The Role of the Academic/Expert in the Policy Process in Puerto Rico] AERYC. Caguas, PR. November, 2008.
- "Public Participation in Puerto Rico's Energy Policy: Experiences from the Inside"; 1st Political Science Congress, University of Puerto Rico-Mayaguez. October, 2015.
- "Confronting Puerto Rico's Energy Challenge"; Inter American Association of Sanitary Engineering and Environmental Sciences Annual Conference, Polytechnic University of Puerto Rico, November, 2014
- "El Instituto Nacional de Energía como Plataforma Colaborativa de Investigación y Política Publica Energética", presentation delivered to the President of the University of Puerto Rico and the Chancellors of the UPR System, May 2014
- "Hacia una verdadera transformación del sistema eléctrico de Puerto Rico" presentation delivered to the IEEE Power Society Student Chapter, UPRM, April, 2014
- "Los Municipios en Puerto Rico ante el Reto Energético: Dos Modelos", presentation delivered during the 1st Symposium on Municipal Issues, UPRM, Mayaguez Puerto Rico, March, 2014
- "Visiones del Servicio Publico: Un Conversatorio"; presentation delivered to the Political Science Student Association, September, 2013
- "The Coverage of Green Issues: The Role of Communication Media in the Sustainable Development of Puerto Rico"; Panel Presentation organized by the Tropical Institute for Energy, Environment and Society (ITEAS), University of Puerto Rico at Mayaguez.; COHEMIS International Conference on Green Communities, June, 2012

- "The Prospects for Renewable Energy in Vieques: Identifying the Challenges and Capitalizing on the Opportunities;" University of Puerto Rico, COHEMIS International Conference on Green Communities; June, 2012
- "A Tale of Two Wind Farms: Social Acceptance of Renewable Energy Technologies and its Implications for Achieving Energy Sustainability in Puerto Rico; Fordham University Sociology Program, September 2009.
- "Policy, the Environment and Society: Teachers as Agents of Social Change"; Presentation delivered at the teacher's workshop: "Centracion XI: Los ejes transversales en la acción pedagógica" at the UPR-Ponce. February, 2008.
- "Chemical Engineers and Environmental Issues in Puerto Rico", Joint presentation delivered with Dr. Marla Perez Lugo to chemical engineering undergraduate students at UPRM. January, 2008.
- "En búsqueda de la capacidad ambiental de estado en Puerto Rico: Un acto de contrición de la administración pública al pueblo", Ciclo de Conferencias del Programa Graduado en Ciencias Ambientales de la Universidad del Turabo, Gurabo, Puerto Rico, December, 2007
- "Retos y oportunidades para la Administración Pública ante el siglo XXI", conferencia ante la facultad de Ciencias Sociales de la Universidad de Puerto Rico- Mayagüez. Auspiciada por la Unión de Estudiantes de Sociología y la asociación de Estudiantes de Ciencias Políticas, Noviembre, 2007
- "Quien contamina en Puerto Rico, o donde esta la capacidad ambiental del estado en Puerto Rico, o que hace un administrador público hablando de protección ambiental?", I Foro Social de Puerto Rico, Universidad de Puerto Rico -Recinto de Río Piedras, Noviembre del 2006
- "Environmental Justice: Disproportionate Impacts of Environmental Degradation", XXVI International Congress of the Latin American Studies Association, March 2006, San Juan, Puerto Rico
- "Environmental Justice and Latinos: Current issues and Future Needs" National Hispanic Environmental Council Annual Conference, April, 2005, Seattle, Washington
- "Public Administrators as Activists: The role of Environmental Justice in the implementation of Environmental Policy" Conference on Minority Public Administration (COMPA), Corpus Christi, Texas, March 2005
- "Our Shifting Borders: Changes in Hispanic/Latino Demographic Patterns and its Environmental Justice Implications." SESSION 5: Law, Social Justice and Public Policy at the SIGLO XXI CONFERENCE - IUPLR. January, 2005.
- "Academia y Activismo en la Balanza: Retos y Oportunidades para la Justicia Ambiental" Conferencia Magistral, Department of Social Sciences, UPRM. October, 2004
- "Environmental Issues in Transboundary/Transnational Settings: The Tragedy of the Commons in the U.S./Mexico Border and Puerto Rico", Diversity Lecture Series, Humboldt State University, Arcata, California, April, 2004.
- "Opening Paths/Abriendo Brechas" A Workshop and Conference on Activist Scholarship in the Humanities and Social Sciences: "Academic Activists as Policy Entrepreneurs in Border Regions:

The Case of the Urban Forest of the New Millennium," February 2004, UT-Austin Center for Mexican American Studies

"The Future of Texas City-Regions" UT Austin School of Architecture, Speaker: "A Tale of Three Cities: Water as a Metaphor for the Future of the Paso del Norte Region" September, 2003 UT- Austin

"History of the Environmental Justice Movement: The El Paso/Ciudad Juarez Experience", Project Bravo, Environmental Justice Conference, March 2003, El Paso Texas. Keynote speaker National Hispanic Environmental Council Annual Conference, April, 2003, Albuquerque, New Mexico

"Environmental Education and its effects on Policy: The case of The University of Texas at El Paso and U.S. Mexico Border Environmental Issues", CEPAL Annual Conference, San Juan Puerto Rico University of the Sacred Heart, 2002

"Assessment of Environmental Capacity of the State in Puerto Rico", EPA Brownbag Series, EPA Headquarters, Washington D.C., 2002

"What is there in attaining an environmental education: A social scientist perspective." First California Hispanic Environmental Conference, Sacramento California, Keynote Speaker: 2001

"Capacity Building for Environmental Health in the Paso Del Norte Region: The Case of El Paso/Ciudad Juarez." United States Environmental Protection Agency Community Involvement Conference and Training. San Antonio, Texas, June 2001

Western Social Science Association, Regional Conference, Reno, Nevada Paper Presentation: A Comparative Assessment of the Environmental Impacts of 'Maquiladora' Economic Development Strategies in Mexico and Puerto Rico: Learning from Shared Experiences." April, 2001

American Society for Public Administration, National Conference, Rutgers University, Newark, New Jersey Presenter/Roundtable Discussion: "Cross- National Partnerships for a Sustainable Future? Volunteerism, NGOs, and the Paso del Norte Water Task Force Experience." March 2001

"Constructing Common Ground: Human and Environmental Imperatives" at The Society for Applied Anthropology 1999 Annual Meeting, Tucson, Arizona. April 1999

OTHER PROFESSIONAL EXPERIENCES AND SYNERGISTIC ACTIVITIES

2019 Member of the Steering Committee for the RISE 2019 Conference in collaboration with the Office of the President, State University of New York-Albany and the National Council for Science and the Environment.

2018-Present UPR's representative at the National Council for Science and the Environment (www.ncseglobal.org)

2018 – Present UPR representative at the Global Resilience Institute's Global Resilience Research Network (<https://globalresilience.northeastern.edu/network/>)

- 2018-19 Co-coordinator of the Global Convergence Laboratory - Study Abroad in Puerto Rico (ARCH 5250), at University of Minnesota.
<http://environment.umn.edu/leadership/acara/courses-programs/study-abroad/#arch5250-top> / <https://www.umnconvergencepuertorico.org/umn-about>
- 2018-19 Co-coordinator of the Study Abroad Course titled “Public Health in Crisis” for the State University of New York-Albany.
https://ualbany.studioabroad.com/index.cfm?FuseAction=programs.ViewProgram&Program_ID=10623
- 2018-19 Collaborator with the Puerto Rico Recovery Assistance Legal Clinic at the State University of New York Law School at Buffalo
<http://www.law.buffalo.edu/beyond/clinics/puerto-rico-recovery-assistance-legal-clinic.html>
- 2018 UPR Representative to the Council of Environmental Deans and Directors, National Council for Science and the Environment, Washington DC. April 2018-Present
- 2018 Collaborator, National Academies of Sciences, Engineering, and Medicine’s Committee on Post-Hurricane Supply Chain Adaptability, 2018
- 2017 Member of the Scientific Committee for International Conference on Sustainable Development 2017
- 2017 Co-founder of the RISE-PR (Resiliency through Innovation in Sustainable Energy for Puerto Rico) Interuniversity Collaborative Platform in partnership with the School for the Future of Innovation in Society at Arizona State University, Tempe AZ.
- 2015 Co-founder and steering committee member of the National Institute of Energy and Island Sustainability (INESI) of the University of Puerto Rico.
- 2015 Participant of the Joint Public Advisory Forum in the 22nd Regular Session of the Commission for Environmental Cooperation Council; Boston, Massachusetts, July.
- 2014-15 Member of an institutional team in charge of identifying the needs of athletes to inform decision-making strategies.
- 2014-15 Member of a team in charge of developing a catalog of resources in energy and sustainability in the UPR System and the analysis of institutional limitations and barriers to interdisciplinary and intercampus collaborations and research.
- 2014 - present Executive Council Member in El Puente Organization of Puerto Rico
- 2014-present Advisory Committee Member for the Latino Climate Action Network; April 2014 until present.
- 2014 Expert Witness, Congressional Hearing on Climate Change Challenges to Puerto Rico, Office of the Resident Commissioner of Puerto Rico, the Honorable Pedro Pierluissi; September 8th, 2014
- 2013-Present Founding Member of the Agenda Ciudadana Foundation

2011-2016 President and Researcher at Environmental Policy Solutions, Inc.

2009 – Present Technical advisor for the Energy Stakeholder Roundtable of PR.

2009 – 2010 Co-Developer of the “Social Impact Module” for the CIVIS project at UPRM

2009 Co-Author of the Memorandum of Agreement between UPRM and Aspenall Energies, LLC to create the first Wind Energy Lab of Puerto Rico. (Signed in 2009)

2008 – 2013 Faculty Coordinator of the project “Sustainable Development for Rural Communities: Social, Health, Economic, and Environmental Advances” at UPRM.

2008 – 2010 Affiliated Faculty to the NSF-IGERT “INTELLIGENT DIAGNOSTICS for Aging Civil Infrastructure (ID-ACI)” at UPRM-Faculty of Engineering and Northeastern University.

2007 Co-author of the proposal for the creation of ITEAS and member of its Executive Committee (Instituto Tropical de Energía, Ambiente y Sociedad) at University of Puerto Rico at Mayaguez.

2007 Member of the group of experts invited to participate in the roundtable “Facing the Consequences of Climate Change in Puerto Rico” to produce scientifically based proposals to government agencies to face global warming.

2008 Board of Directors (Advisory Board), Comité Interdisciplinario para Estudios del Medio Ambiente y el Desarrollo Sustentable (CIEMADes), Universidad del Turabo.

2004-2006 Member of the Board of Directors for the National Hispanic Sustainable Energy & Environmental Council

2001-2005 Advisory Board Member, Paso Del Norte Water Task Force, 2001 until 2005.

2000 Environmental Leadership Scholar, Smithsonian Institution Monitoring and Assessment of Biodiversity Program, Class of 2000.

1999 - 2001 Project Coordinator/Manager for the Center for Environmental Resource Management (Cerm), University Of Texas-El Paso, El Paso, Tx.

1997 - 1998 Economic Development Coordinator for the Rio Grande Council of Governments, El Paso Tx.

1997 - 1999 Graduate Research Assistant, Project 1000, Arizona State University, Tempe, Az.

1995 - 1996 Research Assistant, Public Policy Institute, Governors State University, University Park, Ill.

1996 - 1997 Housing Administrator, Comcare, Phoenix, Az.

1994 - 1996 County Planner, Will County Land Use Department, Joliet, Ill.

1992 - 1994 Housing Finance Specialist, Neighborhood Services Department, City of Joliet, Ill.

INSTITUTIONAL/COMMITTEE SERVICE APPOINTMENTS

- 2015-2016 Chancellors Committee for the Organization of the 1st Conference on Climate Change and the Caribbean, Member; University of Puerto Rico at Mayaguez.
- 2014 - present National Institute of Energy and Island Sustainability, Steering Committee Member, Office of the President of the University of Puerto Rico.
- 2011 University of Puerto Rico at Mayaguez Middle States Accreditation Task Force, Advisory Committee Member on Standard 4- Governance
- 2008 University of Puerto Rico at Mayaguez Department of Social Sciences Research Symposium on Social Problems. Committee Chair.
- 2007 Project Coordinator, Environmental Protection Agency-NMEMS Program, University of Puerto Rico- Mayaguez.
- 2002 University of Texas at El Paso Presidential Committee on UTEP's inclusion into the Economic Commission for Latin America and the Caribbean (CEPAL), Member.
- 2001 UTEP's Center for Environmental Resources Management Congressional Visit Team, Member.

INSTITUTIONAL NOMINATIONS AND RECOGNITIONS

- University of Puerto Rico at Mayaguez Dean of Students Nominee, Spring 2015
- University of Puerto Rico at Mayaguez Chancellor Nominee and Finalist, Fall 2011
- Regent's Scholarship Recipient, Graduate College, Arizona State University, Fall 96 / Spring 97.

MIDDLE STATES COMMISSION ON HIGHER EDUCATION SERVICE APPOINTMENTS AND RECOGNITIONS

- MSCHE Evaluation Team- CUNY College of Staten Island. Spring, 2012
- Volunteer Peer Evaluator- Summer 2011
- MSCHE Commissioner (Nominee), Fall 2011

MEDIA APPEARANCES

- 2019 "UPR participa en foro sobre cambio climático RISE", by Prensa RUM. Published on Friday, November 22, 2019. <https://www.uprm.edu/portada/2019/11/22/upr-participa-en-foro-sobre-cambio-climatico-rise/>

- 2019 UPR Partners with UAlbany to Develop Strategies for Responding to Extreme Weather and Changing Climate. Newsroom, The Weekly Journal Nov 18, 2019.
https://www.theweeklyjournal.com/online_features/upr-partners-with-ualbany-to-develop-strategies-for-responding-to/article_8222b82c-0a26-11ea-9600-7b2bf1ce7c5d.html
- 2019 “Expertos comparten su conocimiento sobre el huracán María en talleres en Nueva York.” Article written by Marga Parés Arroyo and published by El Nuevo Día on Sunday, November 17, 2019.
<https://www.elnuevodia.com/noticias/locales/nota/expertoscompartensuconocimientosobreeelhuracanmariaentalleresennuevayork-2529981/>
- 2019 “Puerto Rico’s clean-energy and grid-restoration efforts still in doubt.” Article written by [Jillian Melero](#), and published by Bulletin of the Atomic Scientist on October 24, 2019.
https://thebulletin.org/2019/10/puerto-ricos-clean-energy-and-grid-restoration-efforts-still-in-doubt/?fbclid=IwAR2W73cNXan8ZhirX6VN0AVygs2xzoPZhMjvow4d3o8t_l2xI0VnAB1Fx_E
- 2019 Film “DisemPOWERed: Puerto Rico’s Perfect Storm”, directed and produced by Sandy Smith-Nonini, PhD, and Roque Nonini. <https://www.gofundme.com/disempoweredfilm>
- 2019 “University of Minnesota, Puerto Rico Groups Explore Energy.” Article published by AP News on January 27. <https://www.apnews.com/04d3d96b393e4d4d834b526e9cea2194>
- 2019 “UMN collaborates with Puerto Rico to explore sustainable energy”. Article written by NATALIE RADEMACHER and published by the Minnesota Daily on January 24.
<https://www.mndaily.com/article/2019/01/n-umn-collaborates-with-puerto-rico-to-explore-sustainable-energy>
- 2018 “Un año después.” Article by Azyadeth Vélez Candelario and published Prensa RUM on Friday, September 28. <https://www.uprm.edu/portada/2018/09/28/un-ano-despues/>
- 2018 “Princeton University hosts artists, scholars from Puerto Rico.” Article and podcast by Peter Crimmins, published by WHY, Philadelphia and Delaware.
<https://why.org/segments/princeton-university-hosts-artists-scholars-from-puerto-rico/>
- 2018 Visiting Scholars and Artists from Puerto Rico (VISAPUR). Summer Visiting Scholar at the electronic page of the Program in Latin American Studies, Princeton University. July.
<https://plas.princeton.edu/people/visiting-scholars-artists-puerto-rico>
<https://plas.princeton.edu/people/marla-perez-lugo>
- 2018 “University of Minnesota architects work to aid Puerto Rico.” Article written by AMIE STAGER and published by AP News on July 14.
<https://www.apnews.com/0e079c8eb8194d9f908ad1fb9eb7f323>

- 2018 “New program helps Puerto Rican scholars research impacts of Hurricane Maria.” Article written by Katie Tam and published by The Daily Princetonian. July.
<http://www.dailyprincetonian.com/article/2018/07/new-program-helps-puerto-rican-scholars-research-impacts-of-hurricane-maria>
- 2018 “Green Energy Colonialism? Local Experts Left Out of Puerto Rico’s Post-Hurricane Energy Planning” by Emma Foehringer Merchant March 08. Greentech Media.
<https://www.greentechmedia.com/articles/read/green-energy>.
- 2018 “Energy Colonialism Powers the Ongoing Unnatural Disaster in Puerto Rico” by Catalina M. de Onís Perspective article. Front. Commun., 29 January
(<https://doi.org/10.3389/fcomm.2018.00002>)
- 2018 “How Storms, Missteps and an Ailing Grid Left Puerto Rico in the Dark” The New York Times. By James Glanz and Frances Robles. MAY 6, 2018;
<https://www.nytimes.com/interactive/2018/05/06/us/puerto-rico-power-grid-hurricanes.html>
- 2017 “Coming Out of the Dark: Puerto Rico seeks to restore its way of life by clinging to diesel and gasoline, increasing even more the cost of living, a cycle that, according to experts, should give way to energy "democratization". October 8.
(<https://www.elnuevodia.com/english/english/nota/comingoutofthedark-2364260/>)
- 2017 Future Out Loud – Engaging conversation on science. Puerto Rican energy researchers Marla Perez Lugo and Cecilio Ortiz Garcia join Andrew Maynard and Heather Ross to talk about their ongoing research and plans to rebuild and modernize the energy grid in Puerto Rico. November 9. <https://futureoutloud.org>
- 2017 “Puerto Rican Energy Researchers Excluded from Island’s Energy Transition Deliberations.” By Catalina de Onis. Latino Rebels. www.latinorebels.com/2017/10/16/puerto-rican-energy-researchers.