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Education

- 2004 Ph.D., Graduate School of Geography, Clark University
- 2001 MSc., Graduate School of Geography, Clark University
- 1992 Bachelor of Science – Biology. Universidad Nacional de Colombia (Bogotá).

Professional Experience

Employment

- 2011- Associate Professor, Department of Geography, *Rutgers, The State University of New Jersey.*
- 2005-2011 Assistant Professor. Department of Geography. *Rutgers, The State University of New Jersey.*
- 2004 Post-Doctoral Research Associate. Global Environmental Change Initiative. Geological Sciences, *Brown University.*
- 2000 -2003 Research Associate. George Perkins Marsh Institute, Graduate School of Geography, Land-cover and Land-use change (LCLUC) in the Southern Yucatán Peninsular Region (SYPR). *Clark University.*
- 1999 Research Assistant. Graduate School of Geography, 1999. Land-use change in the Ipswich watershed. *Clark University.*
- 1994 - 1998 Research Assistant. Center for Energy and Environmental Studies: Landscape ecology in Northeast Brazil, GIS and Remote Sensing. *Princeton University.*
- 1991 - 1993 Research Assistant. Barro Colorado Island, Panama. *Smithsonian Tropical Research Institute.*

Administrative Positions

- 2016- Graduate Program Director, Department of Geography, *Rutgers, The State University of New Jersey.*
- 2012-2015 Graduate Program Director, Department of Geography, *Rutgers, The State University of New Jersey.*
- 2011-2012 Director, Center for Latin American Studies, *Rutgers, The State University of New Jersey.*
- 2010-2011 Acting Director, Center for Latin American Studies. *Rutgers, The State University of New Jersey.*

Funded Research

- 2010-2014 **Co- Principal Investigator.** National Science Foundation. Dynamics of Coupled Natural and Human Systems. Spontaneous Silvopastoral Landscapes: Origins, Extent, and Ecological Significance in the Ecuadorian Amazon. With Thomas Rudel. \$566,081.
- 2008- 2012 **Principal Investigator.** Gordon and Betty Moore Foundation. Ecosystem-level Response to Large Scale Natural Disturbance in Southern Yucatán: Evaluating Forest Resilience in Protected Areas. \$989,934.
- 2007 **Principal Investigator.** Gordon and Betty Moore Foundation. Workshop in Land use transitions in the tropics. \$15,000.
- 2005-2008 **Co- Principal Investigator.** NASA- Land Use-Land Cover Change Program. Landscape Resilience-Vulnerability in the Southern Yucatan Peninsular Region With: B. L. Turner II, Deborah Lawrence, John Rogan, Ron Eastman and Hans Vester. \$280,000.
- 2005 Rutgers University-Research Council Grant. Office of Research and Sponsored Programs (ORSP). Understanding Plant Invasions in Mexico through Land Change Science. \$1,200.
- 2004 **Co- Principal Investigator.** National Science Foundation. Long Term Ecological Research-Hubbard Brook Experimental Forest. Social Science Supplement. With: Steve Hamburg, John Mustard and Andrew Foster. Brown University. \$50,000.

Fellowships and scholarships

- 2017-18 **Fulbright Distinguished Chair,** Biodiversity and Sustainable Development, Universidad Nacional, Bogotá Colombia. Project title: Mapping the spatial configuration of landscapes in the Orinoquía region of Colombia and modeling potential landscape change in an era of post-conflict.
- 2003 Clark University, Graduate School of Geography. Pruzer-Holzhauer Fellowship. Dissertation Writing Scholarship.
- 1998-2003 University Graduate Fellowship, Clark University, Graduate School of Geography.
- 1991 Smithsonian Tropical Research Institute. Exxon and Intern Fellowships for Latin American biology students.

Research and Teaching Specialties

Land change science, biogeography, remote sensing, human-environment geography, Latin America.

Publications

Articles in Peer Reviewed Journals

- 2018 Ramirez, C. D., Orrego S. A. and L. Schneider. Identifying Drivers and Spatial Pattern of Deforestation in a Strategic Watershed, Rio Grande Basin (Colombian Andes). *Journal of Latin American Geography*, 17(1):108-138.
- 2016 Turner, B.L., J Geoghegan, D Lawrence, C Radel, B Schmook, C Vance, S Manson, E Keys, D Foster, P Klepeis, H Vester, J Rogan, R Roy Chowdhury, **L Schneider**, R Dickson, Y Ogenva. Land system science and the social–environmental system: the case of Southern Yucatán Peninsular Region (SYPR) project. *Current Opinion in Environmental Sustainability* 19, 18-29.
- #
- 2015 Rudel, T., B. Paul., D. White, I.M. Rao, R. Van Der Hoek, A. Castro, M. Boval, A. Lerner, **L. Schneider** and M. Peters. LivestockPlus: Forages, sustainable intensification, and food security in the tropics. *AMBIO*, DOI 10.1007/s13280-015-0676-2
- 2015 Mardero, S. B. Schmook, C. Radel, Z. Christman, D. Lawrence, M. Millones, E. Nickl, J. Rogan & **L. Schneider**. Smallholders’ adaptations to droughts and climatic variability in southeastern Mexico. *Environmental Hazards*, DOI:10.1080/17477891.2015.1058741
- 2015 McGroody, Lerner, A, D. Burbano **L. Schneider** and T. Rudel. Carbon Stocks in Silvopastoral Systems: A Study from Four Communities in Southeastern Ecuador. *Biotropica* 47 (4) 407-415.
- 2015 Lerner, A., T. Rudel, **L. Schneider**, M. McGroddy, D. Burbano and C. Mena. The spontaneous emergence of silvo-pastoral landscapes in the Ecuadorian Amazon: patterns and process. *Regional Environmental Change* 15 (7): 1421-1431
- 2013 McGroody, M., D. Lawrence, **L. Schneider**, J. Rogan, I. Zager and B. Schmook. Damage patterns after Hurricane Dean in the southern Yucatán: Has human activity resulted in more resistant forests. *Forest Ecology and Management*. 310, 812-820
- 2013 Rossi, E., J. Rogan and **L. Schneider**. Mapping forest damage in northern Nicaragua after Hurricane Felix (2007) using MODIS enhanced vegetation index data. *GIScience & Remote Sensing*, 50 (4): 385-399
- 2013 Cheng, D., Rogan, J., **L. Schneider** and M. Cochrane. 2013. Evaluating MODIS active fire products in Subtropical Yucatan Forest. *Remote Sensing Letters*. 4 (5): 455-464.
- 2013 N. Cuba, J. Rogan, Z. Christman, C. A. Williams, **L. C. Schneider**, D. Lawrence and M. Millones . *Modelling dry season deciduousness in Mexican Yucatán forest using MODIS EVI data (2000–2011)*. 2013. *GIScience & Remote Sensing*, 50 (1), 26-49

- 2012 Márdero S., Nickl E., Schmook B., **Schneider L.**, Rogan J., Christman Z. and Lawrence D. (2012). Sequías en el Sur de la Península de Yucatán: Análisis de la variabilidad anual y estacional de la precipitación/ Droughts in the Southern Yucatán Peninsula: Analysis of the annual and seasonal precipitation variability. *Investigaciones Geográficas*. 78:19-33.
- 2012 Neeti N., J. Rogan, Z. Christman, J.R. Eastman, M. Millones, **L. Schneider**, E. Nickl, B. Schmook, B. L. Turner II and B. Ghimire. Mapping seasonal trends in vegetation using AVHRR-NDVI time series in the Yucatán Peninsula, Mexico. *GIScience and Remote Sensing*. Volume 3(5): 433-442.
- 2011 Vandecar, K., D. Lawrence, D. Richards, **L. Schneider**, J. Rogan and B. Schmook. Response of dry tropical forest to Hurricane Dean in the southern Yucatán Peninsula: Species-level impacts. *Biotropica*. 43(6):676-684.
- 2011 Rogan J., **L. Schneider**, Z. Christman, M. Millones, D. Lawrence and B. Schmook. Hurricane Disturbance Mapping using MODIS EVI Data in the South-Eastern Yucatán, Mexico. *Remote Sensing Letters* 2(3): 259-267
- 2010 **Schneider L.C.** and N. Fernando. An untidy cover: Invasion of Bracken Fern in the shifting cultivation systems of Southern Yucatán, Mexico. *Biotropica* 42(1): 41-48.
- 2010 Uriarte, M., **L. Schneider** and T. Rudel. Land transitions in the tropics: Introduction and Synthesis. *Biotropica*. 42(1):1-2/59-62.
- 2010 Rudel, T., **L. Schneider** and M. Uriarte. Forest Transitions: An Introduction. *Land Use Policy*. 27:95-97.
- 2010 Geoghegan J., D. Lawrence, **L. Schneider** and K. Tully. Accounting for Carbon in Models of Land Use and Implications for Payments for Environmental Services: An Application to Southern Yucatán Peninsula Region. *Regional Environmental Change*. 10 (3): 247-260.
- 2010 Lawrence, D., K. Tully, C. Radcliff, B. Schmook and **L. C. Schneider**. Untangling a global decline in tropical forest resilience: constraints on the sustainability of shifting cultivation. *Biotropica* 42 (1):21-30.
- 2010 Whitmer, A., L. Ogden, J. Lawton, P. Sturmer, P.M. Groffman, **L. Schneider**, D. Hart, B. Halpern, W. Schlesinger, S. Raciti, N. Bettez, S. Ortega, L. Rustad, S. Pickett, and M. Killelea. 2010. The engaged university: providing a platform for research that transforms society. *Frontiers in Ecology and Evolution* 8 (6): 314 -321.
- 2009 Rudel T. K., **L. Schneider**, M. Uriarte, B.L. Turner II, R. DeFries, D. Lawrence, J. Geoghegan, S. Hecht, A. Ickowitz, E. F. Lambin, T. Birkenholtz, S. Baptista and R. Grau. Agricultural Intensification and Changes in Cultivated Areas, 1970-2005. *The Proceedings of the National Academy of Sciences*. 106:20675-20680

- 2006 **Schneider, L.C.** Invasive species and Land-use: The effect of land management practices on bracken fern invasion in the region of Calakmul, Mexico. *Journal of Latin American Geography*. 5(2): 91-107.
- 2006 **Schneider, L.C.** and J. Geoghegan. Land Abandonment in an Agricultural Frontier after a Plant Invasion: The Case of Bracken Fern in Southern Yucatán, Mexico. *Agricultural and Resource Economics Review*. 35(1):167-177
- 2004 **Schneider, L.C.** 2004. Bracken Fern (*Pteridium aquilinum* (L.) Kuhn) Invasion in Southern Yucatán Peninsular Region: A Case for Land-Change Science. *Geographical Review*. 94(2): 229-241.
- 2004 J. Geoghegan, **L. C. Schneider** and C. Vance. 2004. Temporal Dynamics and Spatial Scales: Modeling Deforestation in the Southern Yucatán Peninsular Region. *Geojournal* 61: 353-363.
- 2001 **Schneider, L.C.** and R. G. Pontius Jr. 2001. Modeling land-use change in the Ipswich watershed, Massachusetts, USA. *Agriculture, Ecosystems & Environment* 85(1-3): 83-94.
- 2001 **Schneider L. C.**, A. P. Kinzig, E. Larson and L. A. Solórzano. 2001. Method for spatially explicit calculations of potential biomass yields and assessment of land availability for biomass energy production in Northeastern Brazil. *Agriculture, Ecosystems & Environment* 84: 207-226.
- 2001 Pontius R. G. and **L. C. Schneider**. 2001. Land-use change model validation by a ROC method for the Ipswich watershed, Massachusetts, USA. *Agriculture, Ecosystems & Environment* 85(1-3): 239-248.
- 2001 B. L. Turner II, R. R. Chowdhury, D. Foster, J Geoghegan, E. Keys, P. Klepeis, D Lawrence, S. Manson, P. M. Mendoza, Y. Ogneva-Himmelberger, A. B. Plotkin, D. Pérez Salicrup, B. Savitsky, B. Schmook, **L. C. Schneider**, C. Vance and S. Cortina Villar. 2001. Deforestation in the southern Yucatan peninsular region: an integrative approach. *Forest Ecology and Management*, 154: 353-370

Refereed Book Chapters

- 2016 **Schneider, L.**, J. Rogan and B. Schmook. Relación de huracanes e incendios en bosques fragmentados de la región sur de la península de Yucatán, México: Ejemplo de las sinergias en sistemas socio-ecológicos. In: *Naturaleza y Sociedad: Perspectivas Socio-Ecológicas sobre Cambios Globales en América Latina*. Ed.: K. Young and J. Postigo. IEP e INTE-PUCP.
- 2014 Mardero, S., B. Schmook, Z. Christman, E. Nickl, **L. Schneider**, J. Rogan and D. Lawrence. Precipitation Variability and Adaptation Strategies in the Southern Yucatán Peninsula, Mexico: Integrating Local Knowledge with Quantitative Analysis. In: *International Perspectives on Climate Change: Latin American and Beyond*. Springer, pp: 189-201.

- 2008 **L.C. Schneider**. Plant Invasions in an Agricultural Frontier: Linking satellite, ecological and household survey data. In *Land Change Science in the Tropics: Changing Agricultural Landscapes*, A. Millington and W. Jepson eds. Kluwer publishers.
- 2004 S. S. Sader, R. Roy Chowdhury, **L.C. Schneider** and B. L. Turner II. 2004. Forest Change and human driving forces in Central America. In *Land Change Science: Monitoring, and Understanding Trajectories of Change on Earth's surface*. Gutman et al. eds. Kluwer Publishers. Pages: 57-76.
- 2004 R. Roy Chowdhury and **L. C. Schneider**. 2004. Land-Cover/Use in the southern Yucatán peninsular region, Mexico: Classification and Change Analysis. In *Integrated Land-Change Science and Tropical Deforestation in the Southern Yucatán: Final Frontiers*. B. L. Turner II, J. Geoghegan and D. Foster, eds. Oxford Geographical and Environmental Studies. Clarendon Press of Oxford University Press, pp 105-144.
- 2004 J. Geoghegan, **L. C. Schneider** and C. Vance. 2004. Spatially Explicit, Statistical Land-Change Models in Data-Poor Conditions. In *Integrated Land-Change Science and Tropical Deforestation in the Southern Yucatán: Final Frontiers*. B.L. Turner II, J. Geoghegan, and D. Foster, eds. Oxford Geographical and Environmental Studies. Clarendon Press of Oxford University Press, pp 247-269.
- 2003 B. L. Turner II, P. Klepeis and **L. C. Schneider**. 2003. Three Millennia in the Southern Yucatán Peninsular Region: Implications for Occupancy, Use, and "Carrying Capacity". In *Lowland Maya Area: Three Millennia at the Human-Wildland Interface*. A. GómezPompa, M. Allen, S. Fedick, and J. Jimenez-Osornio, eds. New York: The Haworth Press, pp. 361-387.
- 2002 J. Vadjunec, **L. C. Schneider** and B. L. Turner, 2002 Land-Change Science: The Contributions of Latin Americanist Geographers to Global Environmental Change Research. In *Latin America 21st Century: Challenges and Solutions*. G. Knapp Ed. University of Texas Press, pp 171-206.

Research Reports

- 2009 **Schneider, L.C.** M. Alber, J. Moore, J. Onsted, R. Pontius, N. Sayre, and Jonathan Thompson. 2009. A Common Denominator: Modeling Land and Water Use Change in LTER sites. *White Paper, Long Term Ecological Research Network*. May 10th, 2009.
- 2009 Zimmerman J., F. N. Scatena, **L. C. Schneider**, Ted Gragson , Christopher Boone and J. Morgan Grove. 2009. Challenges for the Implementation of the Decadal Plan for Long-Term Ecological Research: Land and Water Use Change. Report of a Workshop. May 10th, 2009. LTER Network Office, the National Science Foundation and the University of Puerto Rico

- 2000 E. Brondizio, R. DeFries, R. Laney, J. S. Latham, A. Leon, **L. C. Schneider**, P. Verburg, and S. J. Walsh. 2001. Land Use and Cover Change (LUCC) Report Series n° 5: *Meeting in the Middle: The Challenge of Meso-Level Integration. Workshop Proceedings*. An International Workshop October 17-20, 2000. Ispra, Italy Edited by: W. J. McConnell and E. F. Moran.
- 2000 Pontius Jr, R.G. , L. Claessens, C. Hopkinson Jr, A. Marzouk, Ed Rastetter, **L. Schneider**, Joseph Vallino. 2000. Scenarios of land-use change and nitrogen release in the Ipswich watershed, Massachusetts, USA. In B Parks et al., editors. *Conference proceedings of the 4th international conference on integrating GIS and environmental modeling*. University of Colorado, CIRES.

Encyclopedia Entries and Other

- 2010 **L. C. Schneider**. Forest Land Use. Encyclopedia of Geography. B. Solomon, ed. London: Sage.
- 2007 **L.C. Schneider** "Invasive Species". In The Encyclopedia of Environment & Society. P. Robbins, ed. London: Sage, pp. 948-950.
- 2007 **L.C. Schneider**. "Research Methods". In The Encyclopedia of Environment & Society. P. Robbins, ed. London: Sage, pp. 1488-1493.

Invited Presentations

- 2017 **Plenary Panelist**. The role of secondary forests in restoration and biodiversity conservation. Meeting of the *Association of Tropical Biology and Conservation*. Merida, Mexico, July 2017.
- 2017 Seminar Series. *Instituto de Investigaciones en Ecosistemas and Sustentabilidad, Universidad Autónoma de México*. Morelia, México, June 2017
- 2017 Seminar Series. *Colegio de Postgraduados, Departamento de Ciencias Forestales, Texcoco, México*. June 2017.
- 2016 Presenter. Silva Carbon, CATIE and UN-REDD. Workshop on Forest Degradation, Pachuca Hidalgo. Monitoring hurricanes and fires, examples from Yucatán, México. August 24.
- 2016 Seminar Series. *Universidad de los Andes. Facultad de Administración, Gestión Desarrollo Sostenible*. Patterns and process of silvopastoral landscapes in the Ecuadorian Amazon: an example of sustainable intensification. April 28.
- 2016 Seminar Series. *Universidad Nacional de Colombia. Departamento de Biología*. Seminar Series. Resiliencia socio-ecológica en paisajes de la Península de Yucatán: Perturbaciones ambientales, fragmentación del paisaje y cambio climático. April 6.

- 2016 Seminar Series. *Universidad Autonoma de Mexico*. Insituto Nacional de Ecología. Resiliencia socio-ecológica en paisajes de la Península de Yucatán: Perturbaciones ambientales, fragmentación del paisaje y cambio climático. February 5.
- 2015 Seminar Series. *Universidad La Javeriana. Departamento de Estudios Rurales y Ambientales*. Seminario de Postgrado. Resiliencia socio-ecológica en paisajes de la Península de Yucatán: Perturbaciones ambientales, fragmentación del paisaje y cambio climático. November 12.
- 2012 Seminar Series. *University of Massachusetts. Department of Environmental Conservation*, Seminar Series. Environmental Disturbances in the Mesoamerican Biological Corridor Calakmul-Sian Ka'an, Yucatán: Landscape responses. October 19.
- 2011 **Keynote speaker**. Efectos de perturbaciones ambientales y cambio climático sobre los bosques semi-decíduos del corredor biológico Calakmul-Sian Kaan, México. Coloquio sobre Bosques Tropicales: Su conservación y manejo ante el cambio global. *Centro de Investigación Científica de Yucatán, A.C.* September 13-14. Keynote speaker.
- 2011 Seminar Series. Effects of disturbances on dry tropical forests: hurricanes and land-use in the Yucatan Peninsula, Mexico. *Clark University, Graduate School of Geography*. Speaker Series. February 13.
- 2010 **Keynote Speaker**. Efectos de perturbaciones ambientales y cambio climático sobre los bosque secos tropicales: Estudio de caso - Península de Yucatán. *Fourth National Forestry Symposium: Bosques, Energías Alternativas y Cambio Climático*, Universidad Nacional de Colombia, Medellín. October 12-13.
- 2009 Effects of Disturbances on Tropical Dry Forest: Land-Use and Hurricane effects in the Mesoamerican Biological corridor Sian Ka'an-Calakmul, Mexico. 2ND Joint USLTER/MEXLTER Hurricane Research Network meeting, Fairchild Tropical Botanic Garden, Miami, FL December 8-11, 2009
- 2009 Seminar Series. Effects of disturbances on dry tropical forests: hurricanes and land-use in the Yucatan Peninsula, Mexico. Department of Geography, *York University*. Toronto, Canada. November, 10th.
- 2008 Modeling Socio-Ecological Systems: Learning from experiences in Land Change Science. Workshop Socio-ecological Systems in LTER. *Universidad de Puerto Rico*. Puerto Rico. December 16th.
- 2008 An untidy cover: Invasion of Bracken Fern in the shifting cultivation systems of Southern Yucatán, Mexico. MaGrann Conference: Land Use Transition in the Tropics. *Rutgers University and Columbia University*. March 26th.
- 2007 Seminar Series. Plant Invasions in an Agricultural Frontier: Linking Satellite, Ecological and Household Survey Data. *Columbia University, Department of*

- Ecology, Evolution and Environmental Biology, CERC Seminar. New York City. November.
- 2007 Seminar Series. Plant Invasions in an Agricultural Frontier: The Case of Bracken Fern in Southern Yucatan Peninsular Region, Mexico". *University of Virginia*, Department of Environmental Studies, Undergraduate Seminar Series. Charlottesville, VA. October.
- 2007 Seminar Series. Plant Invasions in an Agricultural Frontier: The case of bracken fern invasion in southern Yucatán Peninsular Region. *Hunter College, CUNY Department of Geography*. GeoSeminar Series. May.
- 2006 Seminar Series. Plantas Invasoras y cambios de uso del suelo: el efecto del manejo del terreno en la invasión del helecho *P. aquilinum* en el sur de la Península de Yucatán. *Centro de Investigaciones Científicas de Yucatán (CICY)*. Unidad de Recursos Naturales. Mérida, Mexico. May.
- 2005 Understanding biodiversity: Plant Invasions in an Agricultural Frontier: Linking satellite, ecological and household survey data. The 6th Open Meeting of the *Human Dimensions of Global Environmental Change* Research Community. Bonn, Germany. October.
- 2005 Land abandonment of an agricultural frontier after bracken fern invasion: Linking satellite, ecological and household survey data. Brown Bag Seminar. Department of Human Ecology. *Rutgers University*. September.
- 2005 Land Change Science and Tropical Deforestation in Southern Yucatan. Graduate Geographers Project. Speaker Series. *Rutgers University*. April.
- 2005 Understanding plant invasions through land change science. Landscape Architecture Department Speaker Series. *Rutgers University*. April.
- 2004 Seminar Series. 200 Years of land-use change in central New Hampshire: Drivers and Implications. Spatial Structures in the Social Science Colloquia, *Brown University*. Providence, RI. December.

Invited Workshops

- 2017 June 29. Mexico's stand on the regional assessment for the Americas. Intergovernmental Science-Policy Platform on Biodiversity and Ecosystem Services (*IPBES*)
- 2016 June 1-3. Colombian Regional Capabilities under REDD+ program. European Commission, Institute of Hydrology, Meteorology and Environment (*IDEAM*) and ONU-REDD Colombia.
- 2015 July 6-8 Adaptación del marco de modelación CBM-CFS3 en paisajes REDD+ estratégicos de México. Mexico Forest Service, CONAFOR, US Forest Service, SilvaCarbon Program. Guadalajara, Mexico. Presenter.

- 2015 March 3-7. Emerging Challenges in Tropical Science. Vegetation-precipitation coupling in the tropics: challenges and opportunities. Organization of Tropical Studies (OTS). La Selva Biological Station, Costa Rica.
- 2014 May 22-25. Frameworks for integrating social and ecological drivers of reforestation in the tropics. Leading Working group 2: Resilience. National Science Foundation, PARTNERS: People and Reforestation in the tropics: A network for education, research and synthesis.
- 2013 December 4-5. Monitoreo de perturbaciones: retos y propuestas para la generación de insumos necesarios a la modelación de la dinámica del carbono en los bosques de México. Proyecto Fortalecimiento REDD+, SEMARNAT, CONAFOR, UNDP, FAO. Presenter.
- 2013 May 28-29. Workshop on Pastures, Climate and Change and Sustainable intensification. An International Workshop", Center for International Tropical Agriculture and Rutgers University, Cali Colombia. Presenter.
- 2011 August 19-22. Fires in Western Amazonia: The Effects of Climatic, Social, Demographic, and Land Use Changes on Fire Incidence and Fire Hazard. Pucallpa, Peru. *Center for Environmental Research and Conservation, Earth Institute, Columbia University and Center for International Forestry (CIFOR)*. Organizers: Miguel Pinedo, Mary Menton, Elizabeth Silvestre and Victor Galarreta.
- 2009 December 8-11, 2nd Joint USLTER/MEXLTER hurricane research network meeting. *Florida Coastal Everglades, LTER*. Miami, FL. Organizers: Evelyn Gaiser and Bob Waide.
- 2009 September 13-16, Maps and Locals (MALS). Organizers: Pontius, Sayre and Kofinas. *Long Term Ecological Research, All Scientists Meeting*. Estes Park, CO.
- 2009 May 5-7. Cary Conference: Effective Communication of Science in Environmental Controversies. *Cary Institute of Ecosystems Services*, Millbrook, New York.
- 2009 April 1-3. Scenarios of Future Landscape Change. *Harvard Forest-Harvard University*. Petersham, MA. Organizers: D. Foster and J. Thompson.
- 2008 December 15-19. Designing Socio Ecological Systems studies in Long Term Ecological Research. Member of Steering Committee. *University of Puerto Rico, San Juan Puerto Rico*.
- 2006 September 20-23. The next 25 years of LTER. *Long Term Ecological Research- All Scientists Meeting*, Estes Park, CO.
- 2005 August 3-5. The current and future role of the social sciences in the LTER Network. *University of Georgia, Athens, Georgia*.
- 2005 Spatial Modeling of an Invasive Species: Linking Satellite, Ecological, and Agricultural Household Survey Data. *Northeastern Agricultural and Resource*

- Economics Association (NAREA). Workshop on Invasive Species. Annapolis, Maryland.*
- 2002 September. Biodiversity and Land Change in the southern peninsular Yucatan region. *Land Cover and Land Use Change-NASA Nature Reserves Study Workshop.* Montana State University. Bozeman MT.
- 2000 October 17-20. Meeting in the Middle: The Challenge of Meso-Level Integration: An International Workshop on the Harmonization of Land Use and Land Cover Classification. *International Geosphere-Biosphere Program. Ispra, Italy*
- 1999 December 7-8. Current progress in quantifying spatially explicit causes and effects of land-use/cover change: examples from different parts of the world, International Geosphere-Biosphere Program and the Human Dimensions of Global Change Program. *Wageningen University, The Netherlands.*

Presentations at Professional Meetings

- 2017 Panelist. Socio-ecological Resilience: Secondary Forests and Environmental Disturbance in Agricultural Landscapes of Southern Yucatan Peninsula. Annual Meeting of the Association of American Geographers, Boston MA.
- 2017 Presenter. Trees from above: Using high resolution remotely sensed data to understand ecosystem services in silvopastoral systems in the Ecuadorian Amazon. *Annual Meeting of the Association of American Geographers, Boston MA.*
- 2015 Land Systems Science Symposium: Socio-ecological resilience in secondary tropical forest: Forest recovery after hurricane disturbance in southern Yucatan. *Annual Meeting of the Association of American Geographers, Chicago, Il.*
- 2014 Sitio de medición intensiva de carbono de Kaxil-Kiuic: estrategia a largo plazo para la reducción de emisiones de gases de efecto invernadero. Andrade José L.; Dupuy Juan M.; Hernández-Stefanoni José L.; May-Pat Filogonio; Simá José L.; Tun-Dzul Fernando; Us-Santamaría Roberth; Garruña-Hernández René; Caamal Juan P.; Tamayo Manuela; Arellano Fernando; Johnson Kristofer; Wayson Craig; Birdsey Richard; Santos Lucio; Olguín Marcela; López David; Maldonado Vanessa y **Schneider Laura.** *V Simposio Internacional del Carbono en Mexico. Merida, Yucatan.*
- 2014 Paper presentation: Damage patterns after Hurricane Dean (2007) in the southern Yucatán: has human activity resulted in more resistant forests? In: *Global Land Project: 2nd Open Science Meeting.* Berlin.
- 2013 Land Systems Science Symposium: Environmental Dimension of Land Change. Environmental Disturbances and Land Systems: The effect of landscape configuration on hurricane damage in Southern Mexico. *Association of American Geographers Meeting, Los Angeles, CA.*

- 2012 Symposium: Understanding fire regimes in tropical landscapes: Climatic, ecological, and socio-economic considerations. Presenter and Co-Chair. *Association of Tropical Biology and Conservation*, Bonito, Brazil.
- 2012 Environmental disturbances and land systems: the effect of hurricanes and fire on current landscape configuration in Southern Yucatán. *Association of American Geographers Meeting*, New York, NY.
- 2011 Effects of Disturbances on Tropical Semi-deciduous Forest: Land Use and Hurricane effects in the Yucatan Peninsula, Mexico. *Association of Tropical Biology and Conservation Conference*, Arusha Tanzania.
- 2011 Panelist. The Cultivation and Conservation of Biological Diversity. Invited Session. *Association of American Geographers Meeting*, Seattle WA.
- 2011 Panelist. Using Local Knowledge to Understand Land Use/Land Cover Change at Long Term Ecological Research (LTER) Sites. *Association of American Geographers Meeting*, Seattle WA
- 2010 Disturbances in the Mesoamerican biological Corridor, Calakmul-Sian Ka'an, Mexico: Landscape Disturbances. *Conference of Latin America Geographers CLAG*, Bogota DC. Colombia.
- 2010 Panelist. Advocacy in Biogeographic Science. *Association of American Geographers Meeting*, Washington DC.
- 2010 Disturbances in the Mesoamerican Biological Corridor Calakmul-Sian Ka'an, Mexico: Landscape responses. Session Organizer. *Association of American Geographers Meeting*, Washington DC.
- 2009 Plant Invasions in Tropical Dry Forests: The landscape ecology of bracken fern invasion in Southern Yucatan, Mexico - Laura Schneider - Rutgers University. *Latin American IALE (International Association of Landscape Ecology) Conference*. Campos do Jordao, Brazil. Paper accepted but unable to attend the conference.
- 2009 Accounting for Carbon in Models of Land Use and Implications for Payments for Environmental Services: An Application to Southern Mexico". J. Geoghegan, D. Lawrence and **L. Schneider**. *Annual Northeastern Agricultural and Resource Economics Association (NAREA) Conference*. Burlington, VT.
- 2009 Assessing the spread of plant invasions in deciduous tropical forests. In organized session: Assessing Environmental Disturbance to Forest Ecosystems: Linking regional approaches to place based research. Chair, presenter and organizer of the session. *Association of American Geographers Meeting*, Las Vegas, NV.
2008. Panelist. Key Environmental Change Issues in Latin America. Conference: Behind the Rain: Human Rights, Adaptation and Environmental Change in Latin America. *Center for Latin American Studies, Rutgers University*. Organizer: J. Marciano.

- 2007 The effect of legacies on human-environment coupled systems: 200 years of land change dynamics in Grafton County, NH. *Hubbard Brook Ecosystem Study 44th Annual Cooperators' Meeting*. The Hubbard Brook Experimental Forest, NH.
- 2007 The effect of legacies on human-environment coupled systems: 200 years of land change dynamics in Grafton County, New Hampshire. In organized session: Social and Ecological Systems. *Association of American Geographers*, San Francisco, CA.
- 2006 Millones, M; J. Rogan, **L.C. Schneider** and B.L. Turner. Integrated Fire Risk Using MODIS data for the Southern Yucatan Peninsula. *3rd International Congress of Fire Ecology*, San Diego CA.
- 2006 Plant invasions and land use: the case of bracken fern invasion in southern Yucatán forest frontier in a special session Invasive species I: Environment and habitat factors. *91st Meeting of the Ecological Society of America*. Memphis, TN.
- 2006 Plant Invasions in an Agricultural Frontier: The case of bracken fern invasion in southern Yucatán Peninsular region (Poster Presentation). *Joint Workshop on NASA Biodiversity, Terrestrial Ecology, and Related Applied Sciences*. University of Maryland, Adelphi MD.
- 2006 The Interaction between Crop-Fallow Production Decisions and an Invasive Species: A Spatial Analysis. Co-Authors: A. Ickowitz, J. Geoghegan and **L. Schneider**. *Northeastern Agricultural and Resource Economics Association*, Mystic CT.
- 2006 Advance and retreat: Land abandonment and plant invasions in an agricultural frontier. In organized session: Linking Social and Ecological Systems. *Association of American Geographers Meeting*, Chicago IL.
- 2005 Spatially Explicit Model of Bracken Fern Invasion in Southern Yucatan Peninsular Region (SYPR). *Association of American Geographers*, Denver, CO.
- 2005 Bradley, B.A., J.F. Mustard, and **L.C. Schneider**. Assessing Spatial Changes and Drivers of Biological Invasions Using Remote Sensing: The Case of Cheatgrass in Northern Nevada, *American Association of Geographers Annual Meeting*, Denver, CO.
- 2004 Invasive species and common property: The case of bracken fern (*Pteridium aquilinum* (L.) Kuhn) invasion in the region of Calakmul. *The 10th Biennial Conference of the International Association for the Study of Common Property*. Oaxaca, Mexico.
- 2004 Modeling land use-cover change in Grafton County, NH. *Hubbard Brook Ecosystem Study 41st Annual Cooperators' Meeting*. The Hubbard Brook Experimental Forest, NH.

- 2003 *Pteridium aquilinum* (bracken fern) invasion in the Southern Yucatan Peninsular Region (SYPR). In organized session: People, places and Invasive species. *Association of American Geographers*, New Orleans, LA.
- 2001 Land-cover change estimates in the southern Yucatán peninsular region (Mexico) using 1984-1997 Landsat TM imagery. In organized Session: Land Change in Yucatan. *Association of American Geographers*. New York NY.
- 2000 Modeling Land use change in Ipswich watershed, USA. *Association of American Geographers*. Pittsburgh PA.
- 1995 International Conference: Examining Biodiversity Data, Interpretation, and Public Policy. The Living Planet in Crisis: Biodiversity Science and Policy. American Museum of Natural History, Center for Biodiversity and Conservation. New York, NY.
- 1991 Humid Tropical Lowlands Conference. Development Strategies and Natural Resources Management. Panama City, Panama.

Conference and Workshop Organization

- 2016 Co-Organizer, Crossroads in the Concrete Jungle, Symposium and Workshop. Rutgers University, New Brunswick (with L. Struwe, M. Aronson and W. Hoefer)
- 2015 Organizer, Resilience of Tropical Secondary Forest. People and Reforestation in the tropics: A network for education, research and synthesis (NSF). Resilience Working Group. *Department of Geography*, Rutgers University.
- 2014 Co-Organizer, Rutgers Climate Symposium, Rutgers University. Climate Change and The Tropics: Implications and Adaptation
- 2014 Co-Organizer, Secondary Forests and Agro-diverse Systems: Dynamics of Regrowth in the Neotropics (Co-organizer with T. Rudel). In: *Global Land Project: 2nd Open Science Meeting*. Berlin, Germany.
- 2014 Co-Organizer, Sustainable Intensification in Agricultural: Next Steps. Workshop and Panel. *Department of Geography and Human Ecology*. Rutgers University.
- 2010 Session Organizer and Chair. Hurricane Dean's impacts to Forests in the Mesoamerican Biological Corridor Sian Ka'an-Calakmul, Mexico: Understanding regional variability *Global Land Project, Open Science Meeting*. Arizona State University, Phoenix Arizona.
- 2009 Session Organizer and Chair: Assessing Environmental Disturbance to Forest Ecosystems: Linking regional approaches to place based research. *Association of American Geographers Meeting*, Las Vegas, NV.
- 2008 Co-Organizer, 4th MaGrann Conference, Land Use Transition in the tropics (with T. Rudel, Rutgers U. and M. Uriarte, Columbia University)

2005 Session Organizer and Chair: Understanding Land Transformation through spatial explicit models. *Association of American Geographers, Denver, CO.*

Teaching

Courses Designed and Taught

1. Environment and Society (450:211)
2. Global Ecosystems and Biodiversity (450:306)
3. Advanced Topics in GIS (450:421)
4. Land Change Science (450:511): Graduate Seminar

Courses Revised and Taught

1. Transforming the Global Environment (450:102)
2. Remote Sensing (450:322)
3. Latin America (450:336)
8. Research Design (450:602): Graduate Seminar

Chair of Graduate PhD Committee

1. Alana Rader, First year PhD Student.
2. Elizabeth (Tabby) Fenn , completed 2018. Dissertation title: Protected Forests in the New Jersey Highlands: Ecological implications of reserve selection in an urbanizing landscape.
2. Diya Paul, co-advisor, completed 2018. Dissertation title: Widening the constituency for wildlife conservation: Unintended conservation spaces in forests outside protected areas in India.
3. Irene Zager, completed 2014. Sub-Director, PROVITA, NGO, Caracas Venezuela. Dissertation title: Analyzing the relationship between forest fragmentation and post-hurricane damage and recovery: The case of Hurricane Dean in the Calakmul – Sian Ka'an biological corridor, Yucatán, Mexico.

Chair of Graduate MA/MS Committee

Colleen M. Earp	M.A., completed 2011
Jacob Gable	MA, completed 2013
Joshua Randall	MS, completed 2014 (Best MS student paper for the AAG Water Resources Specialty Group, 2014).
Sheila Skula	MA, completed 2009
Gabriela Ulloa	MA, completed 2018

Postdoctoral Research Associates

2012-2014: Amy Lerner, PhD 2011. UC Santa Barbara. Silvopastoral systems in Ecuadorian Amazon (with Tom Rudel). Current Position: Assistant Professor, Universidad Autónoma de México, Programa Ciencias de Sostenibilidad.

2010-2012: Zachary Chirstman, PhD 2010. Clark University. Current Position: Assistant Professor, Department of Geography and Environment, Rowan University.

Member of Graduate Thesis Committee Rutgers

MA Students

Carolin Fewerda	completed 2009
Maeve Pinto	completed 2007
G. Poberezny	completed 2006
James Riely	completed 2009
Adam Steinberg	completed 2007

PhD Students

Elizabeth Barron	completed 2010, doctoral exam
Sandra Baptista	completed 2008
Stella Cappocia	completed 2013, doctoral exam
Gwangyong Choi	completed 2007
Nicole Davi	completed 2009
Rosana Grafals	completed 2010
David Ferring	ABD, current student
Nelun Fernando	completed 2010
Jenny Isaacs	ABD, current student, doctoral exam
Jim Jeffers	completed 2011, doctoral exam
Divya Karnad	completed 2017, doctoral exam
Jessica Kelly	completed 2009
John Mioduszewski,	completed 2015, doctoral exam
Jim Myers	completed 2012
Laura Shappell	completer 2015 (Ecology and Natural Resources)

Member of PhD Graduate Thesis Committee Other Institutions

Andrea Leon Parra	current (Universidad Javeriana, Colombia)
Alma D. Ortiz R.	current, (Colegio de Postgraduados, México)
Camilo Fagua	ABD, current (Ecology, Utah State University)
Ramiro Puc Ramirez	current, (Colegio de Postgraduados, Texcoco México)
Naomi B. Schwartz	completed, 2016 (E3B, Columbia University)

Undergraduate independent studies:

Marion Clement,	2012 Senior Thesis Evaluation Committee.
Domonique Dionne,	2014 Plant Sciences, Honors Thesis Evaluation Committee.

Barbara Havrillay, 2008 Senior Thesis Evaluation Committee.
Nickolas Blum-Destefano 2007 (Spring 2006)
Gavriel Vigneri, 2007 (Spring 2006)

Fulbright Scholar

1. Andrea Leon Parra, 2017-18. Land transformation in Ecoregions of Colombia.
2. Robin Rasin, Czech Republic (2008-2009). Landscape – its' changes and memory: the case of Czech-Austrian borderland.

Service

Journal Editorial Boards

Current Academic Editor: *Journal of Land Use Science, Biotropica, LAND and PLOSOne*

2010: *Journal of Latin America Geography*, Associate Editor.

Journal Referee

AMBIO (2018), *Agriculture, Ecosystems and the Environment* (2009), *Annals of the American Association of Geography* (2009, 2010, 2014, 2016), *Biotropica* (2008, 2011, 2018), *Conservation Biology* (2007), *Geoforum* (2008), *Geographical Review* (2010), *Global Environmental Change* (2012), *GIScience and Remote Sensing* (2014), *Ecology and Society* (2017, 2018), *Environmental Management* (2013), *Environmental Research Letters* (2016, 2017), *Forest Science* (2005, 2007), *Forest Policy and Management* (2012), *Frontiers in Ecology and Evolution* (2012), *Human Ecology* (2014), *Journal of Latin American Geography* (2009, 2010, 2011), *Journal of Applied Geography* (2009, 2012), *Journal of Land Use Science* (2018), *Journal of Spatial Science* (2015), *Journal of Tropical Ecology* (2009), *Land Degradation and Development* (2005), *Landscape ecology* (2008, 2009), *Landscape and Urban planning* (2007, 2008, 2010), *Middle States Geographer* (2015), *PLOS One* (2013, 2015, 2016, 2017, 2018), *Remote Sensing of the Environment* (2012, 2015), *Science Advancements* (2017), *Sustainability* (2018), *The Professional Geographer* (2008, 2009, 2010), *Weed Research* (2009, 2010, 2012)

Grant Reviewer

NOAA-National Science Foundation Ecological Forecasting (2006)

National Science Foundation, Geography (2007, 2009, 2014, 2015)

NOW-Netherlands Organization for Scientific Research (2017)

Georgia Sea Grant (2009)

National Geographic Society (2008, 2009)

Other Service to the Profession

2017 External Reviewer. Department of Geography, SUNY- New Paltz.

2015-16 *Sabbatical leave*: Profesor Cátedra Posgrado, Facultad de Administración, Gestión Desarrollo Sostenible. *Universidad de Los Andes*, Bogotá Colombia

2014 Reviewer, Latin American Specialty Group Best Student Paper Award Committee, Association of American Geographers. Also for Spring 2010.

- 2009 Science Links: Carbon. 2009. Hubbard Brook Experimental Forest and Hubbard Brook Foundation. Contributor.
- 2007 Reviewer, NRC Survey of Program Quality, Assessment of Research Doctorate Programs, National Academies Board on Higher Education and Workforce, Washington, DC.

Service at Rutgers University:

University at large

- 2018- Member, Executive Committee, Center for Latin American Studies
- 2017- Member, Social Sciences Area Committee, Graduate School, New Brunswick.
- 2016- Member, University Senate
- 2013-2015 Member, Advisory Committee, Rutgers Climate Institute
- 2012-2015 Member, Social Sciences Area Committee, Graduate School, New Brunswick.
- 2012-2015 Member, Appointments and Promotions Committee for non-tenured faculty. School of Arts and Sciences, NB.
- 2013-2014 Member, Fulbright Faculty Committee, Graduate School of New Brunswick.
- 2011-2013 Member, Advisory Committee Center for Women Global Leadership
- 2011-2013 Member, Advisory Committee Climate and Society Initiative
- 2011-2012 Director, Center for Latin American Studies.
- 2010-2011 Acting Director, Center for Latin American Studies.
- 2010 Member, Faculty Council, New Brunswick.
- 2008-2011 Member, Advisory Committee on Foreign Languages. SAS
- 2007- 2009 Member, Executive Committee of the Center for Latin American Studies,
- 2007 Member, Committee on the Future of Rutgers University Latin American Studies (RULAS). School of Arts and Sciences, Spring 2007
- 2006- Affiliated Faculty, Department of Latino and Hispanic Caribbean Studies.
- 2005- Affiliated Faculty, Graduate Certificate Program in Geospatial Information Science.
- 2005- Affiliated Faculty, Center for Latin American Studies.
- 2005-2007 Faculty Fellow, Livingston College.
- 2005-2006 Faculty Advisor, Hubert H. Humphrey Fellowship Program.
- 2005-2006 Member, Nominating Committee, Faculty of Science and Arts.

Department of Geography:

- 2016- Chair, Graduate Selection Committee
- 2015 Reading Committee, Tenure Review
- 2012-2015 Chair, Graduate Selection Committee
- 2014-2015 Speaker Series Organizer
- 2010-2015 Mentoring committee for Junior Faculty.

2010-2012 Graduate Admissions Committee
2008-2009 Search Committee, New Faculty Hire (Hydrology position)
2006-2007 Search Committee, New Faculty Hire (South Asia position)
2006-2007 Faculty Liaison, Graduate Geographers Project Speaker Series.
2005-2007 Member, Graduate Admissions Committee

Memberships

2012- PARTNERS, People and Reforestation in the Tropics, Research
Coordinating Network, NSF.
2010- Global Land Project
2005- Conference of Latinamericanist Geographers
2000- Association of American Geographers
2003-2013 Long Term Ecological Research –LTER, Hubbard Brook.

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