

# BRENDAN L. LAVY, PhD

## Curriculum Vitae

### Office

School of Earth, Environmental, and Marine Sciences  
The University of Texas Rio Grande Valley  
1201 West University Drive  
Edinburg, Texas 78539  
(956) 665-5280 office  
[brendan.lavy@utrgv.edu](mailto:brendan.lavy@utrgv.edu)

### Home

2301 Anacua Circle  
Edinburg, Texas 78539  
(512) 618-3505 mobile  
[brendanlavy@gmail.com](mailto:brendanlavy@gmail.com)

### EDUCATION

- 2017 **PhD, Geography**, Texas State University, San Marcos, TX  
Dissertation: *Changing patterns of water, access, and public discourse in the lower Colorado River valley of Texas, 1970-2015*, Advisor: Ronald R. Hagelman, III; Committee: Craig E. Colten, Jason P. Julian, Russell S. Weaver
- 2013 **MS, Geography**, Texas State University, San Marcos, TX  
Thesis: *A geography of permitted tree removals in Austin, Texas, 2002 to 2011*
- 1998 **BA, Anthropology**, University of North Texas, Denton, TX  
Senior report: *The primer manual for community empowerment, public participation, and environmental justice*

### ACADEMIC EXPERIENCE

- 2018-pres. **Assistant Professor**, School of Earth, Environmental, and Marine Sciences, The University of Texas Rio Grande Valley, Edinburg, TX
- 2017-2018 **Visiting Assistant Professor (one-year appointment)**, Department of Geography, Binghamton University, State University of New York, Binghamton, NY
- 2014-2016 **Instructor of Record**, Department of Geography, Texas State University, San Marcos, TX
- 2013-2017 **Graduate Research Assistant**, Department of Geography, Texas State University, San Marcos, TX

### PROFESSIONAL EXPERIENCE (most recent)

- 2019-pres. **Human Geography Advanced Placement (AP) Reader**, The College Board, Cincinnati, OH
- 2013 **Communications Director and Environmental Policy Analyst (interim)**, Texas Catholic Conference of Bishops, Austin, TX (joined PhD program)
- 2009-2010 **Personal Assistant to the Deputy Secretary of State**, U.S. Department of State, Washington, DC (joined MS program)
- 2006-2008 **Chief of Staff to the Dean**, Lyndon B. Johnson School of Public Affairs, The University of Texas at Austin, Austin, TX

2002-2005 **Website and Outreach Manager**, Foreign Policy Studies, The Brookings Institution, Washington, DC

## **PUBLICATIONS**

### **Refereed journal articles**

- 2019 Lavy, B. L., and R. R. Hagelman, III. Protecting the urban forest: Variations in standards and sustainability dimensions of municipal tree preservation ordinances. *Urban Forestry & Urban Greening* 44: In press.
- 2018 Massa, A. \*, E. M. Zavar, B. L. Lavy, and S. M. Graves. Fragmented forest: A case study examining historical land management and current urban forest health. *The Northeastern Geographer* 10: 27-45.
- 2017 Lavy, B. L., and R. R. Hagelman, III. Spatial and temporal patterns associated with permitted tree removal in Austin, Texas, 2002-2011. *The Professional Geographer* 69(4): 539-552.
- 2017 Zavar, E. M., R. R. Hagelman, III, B. L. Lavy, and B. Prince. Land use change at temporary group-housing sites in post-Katrina Louisiana. *Natural Hazards Review* 18(3): 1-9.
- 2016 Lavy, B. L., E. D. Dascher, and R. R. Hagelman, III. Media portrayal of gentrification and redevelopment on Rainey Street in Austin, Texas (USA), 2000-2014. *City, Culture and Society* 7(4): 197-207.
- 2016 Lavy, B. L., J. P. Julian, and R. N. Jawarneh. The impact of past and future urban expansion on soil resources in central Arkansas, 1994-2030. *Papers in Applied Geography* 2(1): 25-39.
- 2014 Hiner, C. C., C. G. Townsend, and B. L. Lavy. Harm J. de Blij's 1983 *Wine: A Geographic Appreciation*. *Progress in Physical Geography* 38(5): 674-684.  
\*Undergraduate student

### **Refereed book chapter**

- 2020 Holtkamp, C., B. L. Lavy, and R. Weaver. Leaving the old Kentucky home: Emerging landscapes of bourbon production. In C. C. Myles, editor, *Fermented landscapes: Lively processes of socio-environmental transformation*. Lincoln, NE: University of Nebraska Press.

### **Report**

- 2019 Zavar, E. M., B. L. Lavy, and R. R. Hagelman, III. *Recovery of tourism-based economies on the Texas Gulf Coast after Hurricane Harvey*. QR 287. Boulder, CO: University of Colorado Natural Hazards Center.

### **In review**

- Lavy, B. L. "Big dogs eat first": Public discourse and water access in the lower Colorado river valley of Texas, 1994-2015. *Water Alternatives*.
- Zavar, E. M., B. L. Lavy, and R. R. Hagelman, III. Chain tourism in post-disaster recovery. *Tourist Studies*.
- Hagelman, III, R. R., E. M. Zavar, and B. L. Lavy. A mixed-methods disaster recovery research framework applied to Hurricane Harvey (2017). *Natural Hazards Review*.

### **In preparation**

- Lavy, B. L., and E. M. Zavar. Place attachment, tree culture, and Hurricane Harvey recovery through tourists' eyes. Special Issue: *Urban Forestry & Urban Greening*.
- Lavy, B. L., and R. Weaver. Changes in water use along an urban-to-agricultural gradient. Target Journal: *Environment and Planning C: Politics and Space*.

- Zavar, E. M., and B. L. Lavy. Mitigation as learning from and anticipating crises. Under contract: *The Oxford Encyclopedia of Crisis Analysis*.
- Hagelman, III, R. R., E. M. Zavar, and B. L. Lavy. Narratives of small business recovery after Hurricane Harvey. Target Journal: *Annals of the American Association of Geographers*.
- Lavy, B. L., and J. Brush. Species preferences of birdwatchers in the Lower Rio Grande Valley. Target Journal: *Urban Ecosystems*.

## RESEARCH GRANTS, FUNDING, AND FELLOWSHIPS

### Awarded

- 2020 Fellow, Enabling the Next Generation of Hazards and Disasters Fellowship Program, funded by the National Science Foundation (2020-2021)
- 2018 Lavy, B. L. Co-PI. Recovery of tourism-based economies along the Texas Gulf Coast after Hurricane Harvey (PI: E. Zavar and Co-PI: R. R. Hagelman, III). University of Colorado Natural Hazards Center Quick Response Research Grant Program (funded by National Science Foundation grant number CMMI1333610) (\$2,000)
- 2017 Hagelman, III, R. R., E. M. Zavar, and B. L. Lavy. Hurricane Harvey's impacts on businesses in Texas's central Gulf Coast region. Departmental Research Enhancement Funds, Department of Geography, Texas State University (\$5,000)
- 2016 Fellow, Joseph E. Pryor Graduate Fellowship, Alpha Chi National College Honor Society (2016-2017; \$5,000)

### Unfunded

- 2019 Co-PI. STEM collaborations and opportunities through cross-sector partnerships and experiential education: Earth and environmental sciences (SCOPE) (PI: E. Pereira; Co-PIs: C. Cheng, A. Raysoni, and M. Lu) National Science Foundation Improving Undergraduate STEM Education: Hispanic-Serving Institutions (IUSE-HIS)
- 2018 PI. 2018 Hurricane Season: Understanding the long-term recovery of small businesses & heritage sites in coastal communities (Co-PIs: E. Zavar and R. R. Hagelman, III). Rapid Response Research (RAPID), National Science Foundation Humans, Disasters, and the Built Environment
- 2017 Loftus, T. T., R. Weaver, and B. L. Lavy (as PhD student). Use and effectiveness of municipal irrigation restrictions during drought. Outdoor Water Savings Initiative, Phase 2, Alliance for Water Efficiency

## AWARDS AND HONORS

- 2017 The John Wiley Outstanding Graduate Student Award, Department of Geography, Texas State University
- 2016 Outstanding Doctoral Student Award, College of Liberal Arts, Texas State University
- 2016 "Favorite Professor" Award (as PhD instructor), Texas Iota Chapter, Alpha Chi National College Honor Society
- 2016 Pearson Graduate Student Teaching Award, Department of Geography, Texas State University
- 2016 Graduating Student Recognition of Campus Support (as PhD instructor), Office of Retention Management and Planning, Texas State University
- 2015 The McGraw-Hill Higher Education Excellence in Geography Graduate Award, Department of Geography, Texas State University

- 2015 Certificate of Appreciation for Outstanding Service to Student Government, Texas State University
- 2014 Transfer Student Appreciation of Campus Support (as PhD instructor), Office of Retention Management and Planning, Texas State University
- 2012 The John Wiley Graduate Award for Excellence in Geography, Department of Geography, Texas State University
- 2010 Superior Honor Award, U.S. Department of State

### **EDUCATIONAL GRANTS AND SCHOLARSHIPS**

- 2015-2017 Celebrity Classic Scholarship, Texas State University (\$13,500)
- 2015-2017 Rising Scholarly Travel Activity and Research Grant, Student Government, Texas State University (\$500 per award)
- 2014-2016 Graduate College Scholarship, Texas State University (\$2,000 per award)
- 2014-2015 The Jefferies Family Scholarship in Geography, Texas State University (\$1,000)
- 2014-2015 Region I Scholarship, Alpha Chi National College Honor Society (\$1,000)
- 2014-2015 Associated Student Government and University Bookstore Scholarship, Texas State University (\$250)
- 2014-2015 Urban Geography Specialty Group Student Travel Award, Association of American Geographers (\$100 per award)

### **INVITED SPEAKER AND GUEST LECTURER**

- 2019 Whose responsibility? Business recovery along the Texas Coastal Bend following Hurricane Harvey. Department of Emergency Management and Disaster Science Colloquium Series, University of North Texas, 9 Oct.
- 2019 Business recovery along the central Texas coast following Hurricane Harvey. School of Earth, Environmental, and Marine Sciences Seminar Series, 22 Feb.
- 2017 Moving communities forward: Challenges and opportunities for urban sustainability. Sustainable Communities Program Colloquium, Binghamton University, State University of New York, 19 Oct.
- 2017 Austin's urban forest: Geographic patterns of permitted tree removals, 2002-2011. City of Austin's Urban Forestry Department, 11 Aug.
- 2017 Analyzing human-environment interactions using a geographic information system (GIS). GIS Day 2016, Texas State University, 17 Nov.

### **CONFERENCE PRESENTATIONS**

#### **Upcoming**

- 2020 Lavy, B. L. "Where's the shared sacrifice?" Water, drought, and public discourse in the lower Colorado river valley of Texas. American Association of Geographers, Denver, CO
- 2020 Hagelman, III, R. R., Zavar, E. M., and B. L. Lavy. Business recovery narratives following Hurricane Harvey. American Association of Geographers, Denver, CO
- 2020 Lavy, B. L., and E. M. Zavar. Co-Organizers: Qualitative methods in hazards geography 1-4 sessions. American Association of Geographers, Denver, CO

- 2020 Zavar, E. M., B. L. Lavy, and R. R. Hagelman, III. Chain tourism: The role of social networks and place attachments in disaster recovery. Fifth International Conference on Tourism & Leisure Studies, Dubrovnik, Croatia

**Past**

- 2019 Lavy, B. L., and R. R. Hagelman, III. Protecting the urban forest: Variations in standards and sustainability dimensions of municipal tree preservation ordinances. Southwestern Division of the American Association of Geographers, Fort Worth, TX
- 2019 Zavar, E. M., B. L. Lavy, and R. R. Hagelman, III. The role of chain tourism in Hurricane Harvey recovery. Natural Hazards Workshop Researchers Meeting, Broomfield, CO
- 2019 Lavy, B. L., E. M. Zavar, and R. R. Hagelman, III. Business recovery along the Central Texas Coast following Hurricane Harvey. American Association of Geographers, Washington, DC
- 2019 Holtkamp, C., B. L. Lavy, and R. Weaver. Leaving the old Kentucky home: Emerging landscapes of bourbon production. American Association of Geographers, Washington, DC
- 2019 Lavy, B. L. Panelist: "Fermented landscapes": Perspectives on landscape, fermentation, and their material and figurative linkages. American Association of Geographers, Washington, DC
- 2018 Lavy, B. L. Co-Organizer and Panelist: The intersection of disaster with race, ethnicity, and place. Race, Ethnicity, and Place Conference, Austin, TX
- 2018 Lavy, B. L., E. M. Zavar, and R. R. Hagelman, III. Chain tourism in post-disaster recovery. Southwestern Division of the American Association of Geographers, Baton Rouge, LA
- 2018 Lavy, B. L., R. Weaver, and R. R. Hagelman, III. Changes in urban and agricultural water use in the lower Colorado River valley of Texas. American Association of Geographers, New Orleans, LA
- 2017 Hagelman, III, R. R., B. L. Lavy, and S. Maleki. Geographic patterns of children in FEMA disaster declarations, 1990-2012. American Association of Geographers, Boston, MA
- 2016 Lavy, B. L., and R. R. Hagelman, III. Socio-spatial and temporal patterns associated with permitted tree removal in Austin, Texas. Southwestern Division of the American Association of Geographers, Denton, TX
- 2016 Lavy, B. L., and R. R. Hagelman, III. Visualizing conceptual pillars supporting urban sustainability ordinances. American Association of Geographers, San Francisco, CA (poster presentation)
- 2015 Lavy, B. L., J. P. Julian, and R. N. Jawarneh. The impact of past and future urban expansion on soil resources in central Arkansas (USA), 1994-2030. Southwestern Division of the Association of American Geographers and Applied Geography Conference Joint Meeting, San Antonio, TX
- 2015 Zavar, E. M., R. R. Hagelman, III, B. L. Lavy, and B. Prince. Temporary group housing sites as a catalyst for landscape change and development in post-Katrina Louisiana. Southwestern Division of the Association of American Geographers and Applied Geography Conference Joint Meeting, San Antonio, TX
- 2015 Lavy, B. L., E. D. Dascher, and R. R. Hagelman, III. The shifting landscape of Rainey Street, Austin, TX: An analysis of the news media's portrayal of an urban renewal effort. Association of American Geographers, Chicago, IL
- 2015 Townsend, C. G., C. C. Hiner, and B. L. Lavy. The impact and legacy of Harm J. de Blij's 1983 *Wine: A Geographic Appreciation*. Association of American Geographers, Chicago, IL
- 2015 Lavy, B. L., E. D. Dascher, and R. R. Hagelman, III. 2015. Putting gentrification in context: News media coverage and neighborhood transformation. Alpha Chi National Convention, Chicago, IL
- 2014 Lavy, B. L., and R. R. Hagelman, III. The regulatory landscape of urban forestry in Texas. Association of American Geographers, Tampa, FL

- 2014 Lavy, B. L. Preserving trees in Texas: An exploratory evaluation of environmental policies. Alpha Chi National Convention, St. Louis, MO
- 2013 Lavy, B. L. A geography of permitted tree removals in Austin, Texas, 2002-2011. Association of American Geographers, Los Angeles, CA
- 2012 Lavy, B. L. The social equity of public parks and park access in Austin, Texas. Association of American Geographers, New York, NY (poster presentation)
- 1999 Lavy, B. L. Environmental justice, community empowerment, and public participation: A case in eastern Oklahoma. Society for Applied Anthropology, Tucson, AZ

### **ENVIRONMENTAL AND URBAN SUSTAINABILITY FIELDTRIPS**

- 2014 San Antonio urban design and river restoration. Fieldtrip with R. R. Hagelman, III, Texas State University, 18 Apr.
- 2014 New Urbanism and sustainable neighborhood developments in Central Texas. Fieldtrip, Texas State University, 22 Feb.

### **TEACHING**

#### **The University of Texas Rio Grande Valley, Edinburg, TX**

Environment and Society ENVR 2302  
Natural Resources Conservation ENVR 3301  
Environmental Sciences Research Project ENVR 4303  
Applications of GIS (future offering) GEOL 4408  
Urban Sustainability ENVR 4357 / EEMS 6357  
Ecosystem Management and Social-Ecological Resiliency EEMS 6300

#### **Binghamton University, State University of New York, Binghamton, NY**

Introduction to Geography GEOG 101  
Environmental Planning and Policy GEOG 239 / ENVI 239  
Natural Hazards GEOG 330  
Water Resources Planning and Management GEOG 341

#### **Texas State University, San Marcos, TX**

Introduction to Environmental Geography GEO 2310  
Urban Geography GEO 3310

#### Lab instructor:

Physical Geology Laboratory GEOL 1410  
Physical Geography Laboratory GEO 2110

#### Instructional assistant:

Physical Geology GEOL 1410  
Cities and Urban Design GEO 4321  
Interpretive Environmental Geography (online course) GEO 4322 / 5322  
Environmental Management GEO 5313

## **MENTORING**

### **Graduate thesis adviser at the University of Texas Rio Grande Valley**

Regmi, S. In progress. Urban forests and disasters.

### **Graduate thesis committee member at the University of Texas Rio Grande Valley**

Bathaei, B. In progress. Sustainable urbanism in the Lower Rio Grande Valley.

Cantu, E. In progress. Fish assemblages and GIS

Soto, L. In progress. Groundwater classification in Hidalgo County.

Youwakim, J. In progress. Exploring social and environmental predictors of soil borne heavy metals in the Rio Grande Valley.

### **Supervised undergraduate research at the University of Texas Rio Grande Valley**

Ballesteros, L. In progress. Tree species associated with permitted tree removals. GIS-based research project

Barbosa, M. In progress. Models of urban form in the Lower Rio Grande Valley.

Guerra, E. In progress. Drought and the urban forest. GIS-based research project

### **Supervised undergraduate research at Binghamton University**

2018 Warner, R. The effects of tree removal on neighborhood canopy cover. GIS and remote sensing undergraduate research project presented at 2018 Binghamton Research Days, Binghamton, NY (poster presentation)

### **Undergraduate honors thesis committee member at Binghamton University**

2018 Rusinko, K. A. (B.S. Hon.) The geography of Detroit city's post-industrial feelings and its development.

### **Supervised undergraduate research (as PhD student) at Texas State University**

2017 Yanes-Garcia, A. The effect of surgical and ambulatory centers on underprivileged women in Texas. GIS-based undergraduate research project presented at the 2017 Alpha Chi National Convention, Louisville, KY (poster presentation)

2016 Ross, S. Exploring the relationship between gas price and U.S. National Park Service Unit annual attendance. GIS-based undergraduate research project presented at the 2016 American Association of Geographers Annual Meeting, San Francisco, CA (poster presentation)

## **COMMUNITY-ENGAGED LEARNING EXPERIENCES**

2019 Commercial Photography and Ecosystem Management, Santa Ana National Wildlife Refuge, US Fish and Wildlife Service

2019 Park Visitorship and Community Outreach Plan, Estero Llano Grande State Park, Texas Parks and Wildlife Department

## **SERVICE**

### **Manuscript Review**

Annals of the American Association of Geographers; Papers in Applied Geography

### **Textbook Review**

Getis, A., M. D. Bjelland, and V. Getis. *Introduction to Geography, forthcoming sixteenth edition*. New York, NY: McGraw-Hill Education.

### **Department**

- 2018-pres. Member, Graduate Degree Program Committee, Agricultural, Environmental, and Sustainability Sciences, School of Earth, Environmental, and Marine Sciences, The University of Texas Rio Grande Valley
- 2018-pres. Member, Evaluation Standards Revision Committee, School of Earth, Environmental, and Marine Sciences, The University of Texas Rio Grande Valley
- 2018-2019 Member, Search Committee, 3-Year Lecturer in Geology, School of Earth, Environmental, and Marine Sciences, The University of Texas Rio Grande Valley
- 2015-2016 Co-President, and Vice President, Graduate Student Forum, Department of Geography, Texas State University
- 2015-2016 Member, Colloquium Committee, Department of Geography, Texas State University
- 2011-2012 Member, Texas Geography Student Research Symposium Planning Committee, Department of Geography, Texas State University

### **University**

- 2019-pres. Member, Planning Committee, Bachelor of Arts in Interdisciplinary Studies (Public Heritage), The University of Texas Rio Grande Valley
- 2019-pres. Co-organizer, (First) Annual GIS Day, The University of Texas Rio Grande Valley
- 2014-2016 Student Government Graduate House Representative, Texas State University.
- 2014-2015 Member, Presidential Award for Excellence in Teaching Selection Committee, Texas State University
- 2014-2015 Member, Mariel M. Muir Excellence in Mentoring Award Selection Committee, Texas State University
- 2013-2017 Mentor, Bobcat Bond Program, Texas State University

### **Organizations**

- 2015-2017 Student Sponsor Alpha Chi National College Honor Society, Texas Iota Chapter
- 2014-2015 Vice President, Alpha Chi National College Honor Society, Texas Iota Chapter
- Spr. 2014 Treasurer, Alpha Chi National College Honor Society, Texas Iota Chapter

### **Community**

- 2019-pres. Member and Secretary, Tree Advisory Board, City of Edinburg, TX

### **MEMBERSHIPS**

- 2011-pres. Member, American Association of Geographers (AAG)
  - Hazards, Risks and Disasters Specialty Group
  - Urban Geography Specialty Group
  - Water Resources Specialty Group
  - Cultural & Political Ecology Specialty Group
- 2014-pres. Member, Phi Kappa Phi Honor Society
- 2012-pres. Member, Alpha Chi National College Honor Society
- 1997-pres. Member, Golden Key International Honour Society



## **TRAININGS AND WORKSHOPS**

- Fall 2019 DREAM Zone Advocate Training in support of undocumented or DACAmented students, Center for Diversity and Inclusion, The University of Texas Rio Grande Valley
- Spr. 2019 Community Engagement and Culturally Relevant Pedagogy, College of Sciences, The University of Texas Rio Grande Valley
- Spr. 2017 Ally Training in support of LGBTQiA+ community, Office of Student Diversity and Inclusion, Texas State University

## **SKILLS**

ESRI ArcGIS Desktop, Pro, and Online; QGIS; ERDAS Imagine; SPSS; R; Atlas.ti; Microsoft Office Suite; learning management systems; Windows and Macintosh systems