

Logan Gerber-Chavez

Ph.D. Candidate – Research Assistant

LMGC@UDEL.EDU

EDUCATION

Ph.D. – Disaster Science and Management – University of Delaware Dissertation: Conceptualizing Compound Disasters and Environmental Justice: Improving Disaster Planning for Compound Disaster Events	Expected 2022
Master of Science – Physical Geography – University of Oklahoma Thesis: Effective Disasters: Disasters as a Driver of International Climate Policy Change	2018
Bachelor of Science – Geography, Meteorology Minor – Texas A&M University Geography Capstone: K2Share Carbon Footprinting and Sustainability Vision Meteorology Capstone: Micrometeorological Instrumentation of a Greenroof and Living Walls Project	2014
Political Science Capstone: Environmentalism and Political Party Platform Change Associate of Science – General Studies – Weber State University	2010

PEER-REVIEWED PUBLICATIONS

- [In Progress] Wachtendorf, T.; Gerber-Chavez, L.; et al. (2021) COVID-19: University Student Experiences During a Pandemic Crisis.
- [In Review] Savitt, A.; L. Gerber-Chavez, S. Montano, T. Corbin (2021) Emergency Management Pandemic Planning: An Analysis of State Emergency Plans. *Journal of Emergency Management*.
- Gerber-Chavez, L. (2020) Effective Disasters: 2013 European Flood Damage as a Policy Driver. *New Visions in Public Administration*, Volume 12.

OTHER PUBLICATIONS

- [In Press] Gerber-Chavez, L.; Pavelea, A. (2020) Compound risk and natech disaster management in Cluj, Romania. In G. A. Loessner, C. Hințea, B. Neamțu (Eds.), *Learning to be an Effective Public Sector Advisor*. NISPAcee.
- [In Press] Siders, A. R., & Gerber-Chavez, L. (2020). Resilience for whom? Insights from COVID-19 for social equity in resilience. In I. Linkov, B. D. Trump, & J. M. Keenan (Eds.), *COVID-19: Systemic Risk and Resilience*. Springer Nature.
- McBride, S. K., Kurtz, E., Hondula, D., Shah, P., de Groot, R., Bostrom, A., ... Sellnow, T. (2020). *Extreme Weather and Geohazards in the time of COVID-19: A social science research agenda*.
DOI: 10.13140/RG.2.2.30569.72806
- Corbin, T., Montano, S., Savitt, A., Gerber-Chavez, L., Belligoni, S., Downey, D., ... Yeo, J. (2020). *Emergency Management and Policy Analysis in a Pandemic: A research agenda*.
- Lakhina, S. J., Kwok, A. H., Lebeda, B., Stannard, D., Kuligowski, E., Gerber-Chavez, L., & Kocher, S. (2020). *Wildfire Preparedness and Evacuation Planning in a Pandemic: A research agenda*.
- Gerber-Chavez, L. (2018). Effective Disasters: Disasters as a driver of international climate policy change. University of Oklahoma [Thesis].
DOI: 10.13140/RG.2.2.23858.84161

GRANTS AWARDED

- Emergency Management and Policy Analysis in a Pandemic (2020) National Science Foundation Social Science Extreme Events Research (SSEER) Network - COVID-19 Working Groups for Public Health and Social Sciences Research. NSF Award #1841338 \$1,000
- Extreme Weather and Geohazards in the time of COVID-19: A social science research agenda (2020) National Science Foundation Social Science Extreme Events Research (SSEER) Network - COVID-19 Working Groups for Public Health and Social Sciences Research. NSF Award #1611820 \$1,000
- Wildfire Preparedness and Evacuation Planning in a Pandemic (2020) National Science Foundation Social Science Extreme Events Research (SSEER) Network - COVID-19 Working Groups for Public Health and Social Sciences Research. NSF Award #1841338 \$1,000

CONFERENCE ORAL PRESENTATIONS

- Gerber-Chavez, L. & Pavelea, A. (2020, July 15-17) *Compound risk and Natech disaster management perceptions and planning in Romania*. Association for Environmental Studies and Sciences (AESS) 2020: Research and Action Conference, New York City, NY (Virtual)
- Gerber-Chavez, L. & Pavelea, A. (2020, October 16-17) *Compound risk and Natech disaster management in Romania*. Middle States Association of American Geographers (MSAAG) Annual Meeting, Hempstead, NY (Virtual)
- 3rd Place Award – Paper Competition
- Gerber-Chavez, L. (2018, April) *Effective Disasters: Disasters as a driver of international climate policy change*. Association of American Geographers (AAG) National Conference, New Orleans, LA
- Gerber-Chavez, L. (2014, April) *Environmentalism and European political party change*. Texas A&M University Research Week Conference, College Station, TX

CONFERENCE POSTER PRESENTATIONS

- Wachtendorf, T.; L. Gerber-Chavez; K. Flores; S. Goodwyn-Dineen; A. Johnson; P. Joshi; A. McFadden; V. Moore; D. Segovia; J. Shields; N. Walton; and K. Wierzbicki. (2020, July 12-15) *COVID-19: University Student Experience During a Global Pandemic*. 45th Annual Natural Hazards Research and Applications Workshop, Broomfield, Colorado (Virtual Workshop Format).
- Gerber-Chavez, L. (2018, March) *Effective Disasters: Disasters as a driver of international climate policy change*. University of Oklahoma Graduate Student Research and Creativity Conference, Norman, OK.
- 1st Place Award – Poster Competition
- Gerber-Chavez, L. (2017, March) *Effective Disasters: Disasters as a driver of international climate policy change*. University of Oklahoma Graduate Student Research and Creativity Conference, Norman, OK.
- Gerber-Chavez, L.; K. Westerman; R. J. Chilton; K. J. Cobb; L. E. Seidensticker; G. Sims; H. Upton (2014, February 1-2) *Micrometeorological instrumentation of a greenroof and living walls project*. American Meteorological Society National Student Conference, Atlanta, GA.
- Gerber-Chavez, L. (2010, April) *Hurricane Climatology*. Ritchey Science and Engineering Conference, Ogden, UT.
- 1st Place Award – Poster Competition, Earth and Space Science Division
- Gerber-Chavez, L. (2009, February) *Hypoxia in the Great Salt Lake*. Davis County Science and Technology Conference, Layton, UT.

CERTIFICATIONS

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| ICS-100/NIMS-700 – Delaware Emergency Management Agency | 2019 |
| Certified Surface Weather Observer -- Federal Aviation Administration/National Weather Service | 2016 |
| Political Science Certificate of Comparative National Governments -- Texas A&M University | 2014 |
| HAM Radio Technician Class License - Call sign: KF5NUF | 2011 |
| Certificate of Proficiency in Digital Electronics Engineering Studies -- Weber State University | 2009 |

PRIVATE CONSULTING PROJECTS

Carbon Footprinting and Sustainability Progress Advising **2014**
Gathered records on energy consumption and corporate and supply chain practices. Compiled calculations for carbon footprint. Organized options for carbon offsets and improvements for more sustainable activities.

RELEVANT WORK EXPERIENCE

Graduate Research Assistant – Lessons Learned for U.S. Managed Retreat Programs **2020-Present**
University of Delaware
Disaster Research Center

Research and conducting interviews with government officials who have administered managed retreat programs for best practices. Mentoring undergraduate and other graduate students in research practices

Graduate Research Assistant – DRC It! **2018-2020**

University of Delaware
Disaster Research Center

Contributing member of the DRC It! research team. Collecting literature and writing a comprehensive literature review for each topic, creating reference dissemination tools at various levels of detail, preparing written products and scripts for audio recording, reviewing and quality checking audio files, recruiting and hiring artistic contractors, developing storyboards for animation, launching educational outreach program for emergency managers and the media

Graduate Teaching Assistant – Human Geography and GIS **2016-2018**

University of Oklahoma
Department of Geography and Environmental Sustainability

Taught and led discussion sections (~30 students/section), administered exams, wrote and graded assignments and assessments, mentored students

Student Athlete Tutor **2017**

University of Oklahoma
Athletic Department

Personal tutoring for student-athletes in human geography, physical geography, meteorology, and political science

Certified Weather Observer **2016**

Salt Lake City International Airport Air Traffic Control Tower

Diversified Weather Solutions Contracted through the Federal Aviation Administration

Disseminated hourly METAR weather observations for the Air Traffic Control Tower, composed emergency reports for observed weather conditions

Administrative Assistant **2011-2013**

Texas A&M University
Department of Atmospheric Sciences

Assisted with department budgets and grant paperwork, organized and cleaned department resources, organized department files, assisted with travel reimbursement procedures, organized marketing efforts and student recruitment, organized and assessed graduate student applicants

Conference Planning Assistant/Administrative Coordinator **2011-2012**

Texas A&M University
Center for Atmospheric Chemistry and Environment

Assisted with planning and organization of the 2011 International Year of Chemistry (IYC) "2011 IYC Symposium on Stratospheric Ozone and Climate Change" in November 2011 in Washington D.C. (2011-IYC-03.org), supervised paperwork in management of graduate students, personal assistant for Dr. Renyi Zhang

RELEVANT LEADERSHIP EXPERIENCE

Graduate Student Senator – University of Delaware	2020-2021
Vice President – International Association of Emergency Managers UD Student Chapter	2020-2021
AAG Delegate – United Nations Framework Convention on Climate Change COP 23 – Bonn, Germany	2017
Vice President – Association of Geography Graduate Students – University of Oklahoma	2017-2018
Panelist – Academic Appeals Council – University of Oklahoma	2017-2018
Mission Trainer – Dove Creek, CO and Towaoc Ute Reservation/Cortez, CO	2015
Students Against Destructive Decisions (SADD) National Student Leadership Council Member	2010-2011
SADD National - Students for Policy, Education, Advocacy, and Knowledge (SPEAKs) Representative – Washington D.C.	2009

AWARDS

3 rd Place – Middle States Association of American Geographers Paper Competition	2020
University of Delaware Graduate Scholar Award	2018-2020
John M. Caldwell Memorial Award for Outstanding Performance as a Graduate Teaching Assistant	2018
1 st Place – University of Oklahoma Graduate Student Research and Creativity Poster Competition	2018
University of Oklahoma Provost's Certificate of Distinction in Teaching	2017
Kenneth Brundidge '61 Endowment	2010-2014
National Hispanic Recognition Program Scholar	2009-2010
Weber State University Honors Award	2009
Professional Women Controllers Academic Excellence Scholarship	2009

SERVICE TO THE FIELD

Reviewer – International Journal of Disaster Risk Reduction	2019
Community Assessment for Public Health Emergency Response (CASPER) Volunteer – Chester, PA	2019
Editor – New Visions in Public Affairs Journal	2018-2019

PROFESSIONAL MEMBERSHIPS

Association for Public Policy Analysis and Management (APPAM)	2019-Present
International Association of Emergency Managers (IAEM)	2018-Present
Association of American Geographers (AAG)	2016-Present
Association for Women Geoscientists (AWG)	2015-Present
American Meteorological Society (AMS)	2011-Present