

COURTNEY M. THOMPSON

Curriculum Vitae

June 2022

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EDUCATION

- 2017 Ph.D. in Geography, University of Idaho
Dissertation: *Enhancing Natural Hazards and Vulnerability/Resilience Studies Using Social Theory and Spatial Statistics*
- 2012 M.S. in Geography, University of Idaho
Thesis: *Development of a Probabilistic Storm Surge and Inland Precipitation Model and a Theoretical Framework for Vulnerability and Resilience Quantification for Coastal Communities*
- 2010 B.S. in Geography, New Mexico State University

PROFESSIONAL APPOINTMENTS

- 2022 - present Associate Program Officer, Gulf Research Program, National Academies of Science, Engineering, and Medicine, Washington, DC
- 2022 - present Visiting Scholar, Texas A&M University, College Station, TX
- 2020 Visiting Scholar, Boston College, Boston, MA
- 2019 - 2022 Fellow, NSF Enabling the Next Generation of Hazards and Disasters Researchers Fellowship Program
- 2018 Faculty Fellow, Institute for Sustainable Communities, Texas A&M University, College Station, TX
- 2017 GIS & Survey Analysis Consultant, Moscow Affordable Housing Trust, Moscow, ID
- 2015 – 2017 Instructor, Dept. of Geography, University of Idaho, Moscow, ID
- 2011 – 2015 Graduate Research Assistant, Dept. of Geography, University of Idaho, Moscow, ID
- 2010 – 2012 Graduate Teaching Assistant, Dept. of Geography, University of Idaho, Moscow, ID

PUBLICATIONS

Student authors: *M.S./Ph.D. student - advisor, ** M.S./Ph.D. student - committee member, ***Undergraduate student

Refereed Journal Articles

2022

Thompson, C. M. & Bowlick, F. J. *In press*. Teaching and Learning GIS in the Time of COVID-19: Lessons from GIS Professors from an Autoethnographic Perspective. *The Geography Teacher*. (Accepted 2/9/2022).

Costantini, R. A., & **Thompson, C. M. *In press*. *M@n@gement*. Leveraging Geographic Information Systems in Organization Studies: Beginning the Conversation. (Accepted 2/1/2022).

*Edey, D., *Hillin, J., **Thompson, C.M.**, Cherian, J., & Hammond, T. (2022). Closing the Gender Gap in Natural Hazards Education for Young Adults. *Journal for STEM Education Research*. <https://doi.org/10.1007/s41979-022-00068-4>

Sansom, G., Fawkes, L., Thompson, C., Losa, L., McDonald, T., & Chiu, W. (2022). Cancer Risk Associated with Soil Distribution of Polycyclic Aromatic Hydrocarbons within three Environmental Justice Neighborhoods in Houston, Texas. *Environmental Geochemistry and Health*. <https://doi.org/10.1007/s10653-022-01245-5>

Sansom, G., **Thompson, C.**, Sansom, L., Fawkes, L., Boerlin, E. (2022). Compounding impacts of hazard exposures on mental health in Houston, TX. *Natural Hazards*.
<https://doi.org/10.1007/s11069-021-05158-x>.

2021

*Edey, D., **Thompson, C.M.**, Hammond, T., & Cherian, J. (2021). Online Local Natural Hazards Education for Young Adults: Assessing Program Efficacy and Changes in Risk Perception. *Journal of Geography in Higher Education*.
<https://www.doi.org/10.1080/03098265.2021.1947204>

Karaye, I., Taylor, N., Perez Patron, M., **Thompson, C. M., Horney, J. A. (2021). Factors Associated with Hurricane Evacuation: A Statistical Meta-Analysis of Studies, 1999-2018. *Disaster Medicine and Public Health Preparedness*, 1-9. <https://www.doi.org/10.1017/dmp.2021.24>

***Swienton, H., **Thompson, C. M.**, *Billman, M., Bowlick, F., Goldberg, D., Klein, A., Horney, J., & Hammond, T. (2021). Direct Injuries and Fatalities of Texas Tornado Outbreaks from 1973 to 2007. *The Professional Geographer*. <https://doi.org/10.1080/00330124.2021.1871767>

2020

Sansom, G., Aarvig, K., Sansom, L., **Thompson, C. M.**, Fawkes, L., & L. Katare, A. (2020). Understanding Risk Communication and Willingness to Follow Emergency Recommendations Following Anthropogenic Disasters. *Journal of Environmental Justice: Special Issue: Hurricanes, Man-Made Disasters, and Environmental Injustice in the Gulf Coast*. <https://doi.org/10.1089/env.2020.0050>

Karaye, I.M., **Thompson, C. M., Perez-Patron, M., Taylor, N. & Horney, J.A. (2020). Estimating Evacuation Shelter Deficits in the Houston–Galveston Metropolitan Area. *Risk Analysis*. doi: <https://doi.org/10.1111/risa.13448>

Thompson, C. M., & Dezzani, R. J. (2020). Examining relationships between traditional vulnerability data proxies and hurricane risk perception indicators. *Journal of Risk Research*, 1-28. doi: <https://doi.org/10.1080/13669877.2020.1773517>

2019

Thompson, C. M., Dezzani, R. J., & Radil, S.M. (2019). Modeling multiscalar influences on natural hazards vulnerability: a case study of coastal hazards in Sarasota County, Florida. *GeoJournal*. doi: <https://doi.org/10.1007/s10708-019-10070-w>

Karaye, I. M., Ross, A. D., Perez-Patron, M., **Thompson, C. M., Taylor, N., & Horney, J. A. (2019b). Factors associated with self-reported mental health of residents exposed to Hurricane Harvey. *Progress in Disaster Science*, 2, 100016, doi: <https://doi.org/10.1016/j.pdisas.2019.100016>

Karaye, I., **Thompson, C. M., Horney, J. A. (2019a). Evacuation shelter deficits for socially vulnerable Texas residents during Hurricane Harvey. *Health Services Research and Managerial Epidemiology*. doi: <https://doi.org/10.1177/2333392819848885>

2016

Thompson, C. M., Frazier, T. G. & Vachon, M. (2016). Opportunities and constraints to rural HAZMAT risk reduction. *Journal of Homeland Security and Emergency Management*, 13(1), 51–75. doi: <https://doi.org/10.1515/jhsem-2015-0014>

2014

Frazier, T. G., **Thompson, C. M.**, & Dezzani, R. J. (2014). A framework for the development of the SERV model: A Spatially Explicit Resilience-Vulnerability model. *Applied Geography*, 51(3), 158-172. doi: <https://doi.org/10.1016/j.apgeog.2014.04.004>

Thompson, C. M., & Frazier, T. G. (2014). Deterministic and probabilistic flood modeling for contemporary and future coastal and inland precipitation inundation. *Applied Geography*, 50(0), 1-14. doi: <https://doi.org/10.1016/j.apgeog.2014.01.013>

2013

Frazier, T. G., **Thompson, C. M.**, Dezzani, R. J., & Butsick, D. (2013). Spatial and temporal quantification of resilience at the community scale. *Applied Geography*, 42(0), 95-107. doi: <https://doi.org/10.1016/j.apgeog.2013.05.004>

Frazier, T. G., Walker, M. H., Kumari, A., & **Thompson, C. M.** (2013). Opportunities and constraints to hazard mitigation planning. *Applied Geography*. 40(0), 52-60. doi: <https://doi.org/10.1016/j.apgeog.2013.01.008>

Refereed Journal Articles Under Review

Joseph, R. & **Thompson, C. M.** Under review at *Journal of Contingencies and Crisis Management*. Examining Interdependence between Hurricane Risk Perception and Social Agency and Community Involvement. (submitted 6/29/2022).

*Hillin, J., Kharazi, B. A., Li, D., **Thompson, C. M.**, Meyer, M., Zhang, Z., & Behzadan, A. H. Under review at *Journal of Emergency Management*. Designing user-centered decision support systems for climate disasters: What information do communities and rescue responders need during floods?. (submitted 6/24/2022).

Bowlick, F.J., **Co. Thompson, C.** Thompson, C. Cox, B. Clark, N. Drummy, J. Fox, A. Grady, L. Musshorn, and C. Dony. Under review at *Research in Geographic Education*. Understanding Geocomputation Education: A Survey and Syllabi Informed Review. (submitted 05/01/2022)

Kharazi, B. A., Li, D., *Hillin, J., Meyer, M., **Thompson, C. M.**, Zhang, Z., & Behzadan, A. H. Under revision at *Advanced Engineering Informatics*. Human-Centered Flood Mapping and Intelligent Routing through Augmenting Flood Gauge Data with Crowdsourced Street Photos. (under revision, due 7/6/2022).

*Hillin, J., *Canada, A. Fawkes, L, **Thompson, C.**, & Sansom, G. Revisions under review at *Environmental Justice*. A Spatial Investigation of Cancer-Causing Contaminants in Northeast Houston, TX. (revisions submitted 3/14/2022).

Sansom, G., Fawkes, L., Boerlin, E., Sansom, L., **Thompson, C. M.**, & Kirmani, M. Under review at *Environmental Hazards*. Assessing Self-Rated Physical Health Scores Following Repeat Exposure to Anthropogenic and Natural Hazards in Houston, TX. (revisions submitted 2/1/2022).

Thompson, C. M., & Bierling, D. Under review at *International Journal of Mass Emergencies and Disasters*. Spatial variation of hazmat incident risks and response capabilities of fire departments across Texas. (submitted 9/3/2021).

Refereed Conference Proceedings

2013

Frazier, T. G., **Thompson, C. M.**, & Dezzani, R. J. (2013). Development of a Spatially Explicit Vulnerability-Resilience Model for community level hazard mitigation enhancement. In C. A. Brebbia (Ed.), *Disaster management and human health risk III: reducing risk, improving outcomes* (pp. 13-24). Southampton: WIT Press.

Book Chapters

2013

Frazier, T. & **Thompson, C. M.** (2013). Coastal planning policies in developed countries. *Climate Change: An Encyclopedia of Science and History*. Ed. Brian Black. Vol. 1. Santa Barbara, CA: ABC-CLIO.

Reports and Non-Refereed Publications

2019

Thompson, C. M. & Bierling, D. (2019). *Hazmat Incident Risks and Response Capabilities: Texas fire department survey results*. Final report for the hazardous materials emergency

preparedness (HMEP) Grant Program, administered by the Texas Division of Emergency Management (TDEM).

2015

Frazier, T. G. & **Thompson, C. M.** (2015). Vulnerability. In Sarasota County Post - Disaster Redevelopment Plan (PDRP).

2011

Frazier, T. G., **Thompson, C. M.**, & Vachon, M. (2011). North Central Idaho Hazardous Materials Flow study. Final report for Clearwater County Emergency Management.

HONORS AND AWARDS

- 2017 Outstanding Doctoral Student Research and Creative Activity Award, University of Idaho
- 2016 Esri User Conference Student Assistantship, Esri, June 2016
- 2013 Gilbert F. White Thesis/Dissertation Award, AAG Hazards Specialty Group
- 2013 College of Science Diane Haynes Memorial Award, University of Idaho
- 2013 Outstanding Masters Student Research and Creative Activity Award, University of Idaho

GRANTS AND FELLOWSHIPS

Funded				Total Amount (\$)	Amount to Candidate (\$)
2020-2022	<i>A Hybrid Decision Support System for Driving Resiliency in Texas Coastal Communities</i>	Co-PI PI: Amir Behzadan, TAMU	NOAA Texas SeaGrant	\$299,995	\$47,232
2019	<i>Hazmat Incident Risks and Response Capabilities: Texas Fire Department Survey Results</i>	Senior Personnel PI: David Bierling, TAMU	Texas Transportation Institute (TTI)	\$14,886	\$14,886
2019-2021	<i>Online Local Environment Hazards Education for Young Adults using a Social Media Platform</i>	PI	Texas A&M Triads for Transformation (T3) program	\$30,000	\$25,000
2018-2020	<i>Gulf Research Program Early Career Fellowship</i>	PI	National Academies Gulf Research Program (GRP)	\$76,000	\$76,000
2014-2017	<i>Doctoral Dissertation Research Grant: Development of a Spatially Explicit Resilience and Vulnerability Model Through Integration of Modeling and Stakeholder Perspectives</i>	Co-PI PI: Raymond Dezzani, University of Idaho	National Science Foundation	\$15,829	\$15,829
2015	<i>Graduate & Professional Student Association (GPSA) Travel Grant</i>	PI	University of Idaho	\$700	\$700
2014	<i>Graduate & Professional Student Association (GPSA) Travel Grant</i>	PI	University of Idaho	\$557	\$557
2012	<i>Student Grant Program (SGP) Dissemination Grant</i>	PI	University of Idaho	\$1,350	\$1,350
2011	<i>Graduate & Professional Student Association (GPSA) Travel Grant</i>	PI	University of Idaho	\$535	\$535

CONFERENCE ACTIVITY/PARTICIPATION

Student authors: *M.S./Ph.D. student - advisor, ** M.S./Ph.D. student - committee, ***Undergrad student

Papers Presented

Thompson, C.M., *Hillin, J., Meyer, M., Behzadan, A., Zhang, Z., Alizadeh Kharazi, B., & Li, D. (2021). "Understanding Community Needs For a Hybrid Flood Risk Decision Support System."

Disaster 46th Annual Natural Hazards Research and Applications Workshop and/or the Researchers Meeting, Virtual

Behzadan, A., **Thompson, C.M.**, Zhang, Z., Meyer, M., Alizadeh, B., Li, D., *Hillin, J. (2021). "Mapping and Communication of Flood Risk with Computer Vision and Community Science." Disaster PRIMR 2021 @ Texas A&M: University Engagement in Disaster Preparedness Response Innovation Mitigation & Recovery, Virtual

Thompson, C. M., & R. J. Dezzani. (2018). "Hierarchical Modeling of Social Vulnerability Using Spatial Statistics and GIS," Association of American Geographers Annual Meeting, New Orleans, LA

- Thompson, C. M.**, R. J. Dezzani. (2017). "Examining the Influence of Hurricane Risk Perception and Structuration on Coastal Hazards Vulnerability," Association of American Geographers Annual Meeting, Boston, MA
- Thompson, C. M.**, T. Frazier. (2015). "Development of a probabilistic storm surge inundation model for more precise sub-county flood risk modeling," Association of American Geographers Annual Meeting, Chicago, IL
- Thompson, C. M.**, T. Frazier. (2014). "EPSCoR Project tasks – Vulnerability Working Group," Annual EPSCoR Meeting, Coeur D'Alene, ID
- Thompson, C. M.**, T. Frazier. (2014). "Hurricane Hazard Mitigation Strategies for Social Vulnerability Reduction," Association of American Geographers Annual Meeting, Tampa, FL
- Thompson, C. M.**, T. Frazier, R. Dezzani. (2013). "Development of a Spatially Explicit Vulnerability-Resilience Model for Community Level Hazard Mitigation Enhancement," International Conference on Disaster, Management on Human Health, A Coruña, Spain
- Thompson, C. M.**, T. Frazier, R. Dezzani. (2013). "Development of a Probabilistic Storm Surge & Inland Precipitation Model & a Theoretical Framework for Vulnerability & Resilience Quantification for Coastal Communities," Association of American Geographers Annual Meeting, Los Angeles, CA
- Thompson, C. M.**, T. Frazier, M. Walker, S. Fricke. (2011). "Incorporating social vulnerability into traditional U.S. hazard mitigation plans: A case study of Shoshone County, Idaho," Association of American Geographers Annual Meeting, Seattle, WA

Posters Presented

- ***Swienton, H., **Thompson, C. M.**, *Billman, M. A., Bowlick, F. J., Goldberg, D. W., Klein, A. G., Horney, J., & Hammond, T. A. (2020). "Morbidity and Mortality of Texas Tornado Outbreaks," American Association of Geographers (AAG), Virtual.
- *Edey, D., **Thompson, C. M.**, Hammond, T., Cherian, J. (2019). "Online Local Natural Hazards Education for Young Adults: Assessing Program Efficacy and Changes in Risk Perception," Resilience Rising: Research and Practice on Harvey and Hazards of the Future, College Station, TX
- **Karaye, I.M., **Thompson, C. M.**, Perez-Patron, M., Taylor, N., Horney, J.A. (2019). "Estimating evacuation shelter deficits in the Houston-Galveston Metropolitan Area," Natural Hazards Center Annual Workshop, Broomfield, CO
- *Edey, D., **Thompson, C. M.**, Hammond, T., Cherian, J. (2019). "Online Local Environment Hazards Education for Young Adults Using a Social Media Platform," Association of American Geographers Annual Meeting, Washington D. C.
- *Edey, D., **Thompson, C. M.**, Hammond, T., ***Cornwell, A., Cherian, J. (2019). "Online Local Environment Hazards Education for Young Adults Using a Social Media Platform," Texas A&M Student Research Week (SRW), College Station, TX
- Thompson, C. M.**, T. Frazier. (2014). "Impact of Risk Perception on Risk Communication and Community Resilience Enhancement," American Geophysical Union Meeting, San Francisco, CA
- Thompson, C. M.**, T. Frazier. (2012). "Development of a probabilistic coastal hazards model for more effective hazard mitigation at the community scale: A case study for Sarasota County, Florida," Society for Risk Analysis (SRA) World Congress on Risk 2012, Sydney, Australia
- Thompson, C. M.**, T. Frazier. (2012). "Development of a probabilistic coastal hazards model that couples storm surge and runoff from inland precipitation: A case study for Sarasota County, Florida," Montana Association of Geographic Information Professionals (MAGIP) Intermountain GIS Conference, Kalispell, MT

Thompson, C. M., T. Frazier, M. Walker, S. Fricke. (2011). "Incorporating social vulnerability into traditional U.S. hazard mitigation plans: A case study of Shoshone County, Idaho," 4th Annual EPSCoR Western Consortium Tri-State Meeting, Albuquerque, NM

PANELS/SESSIONS ORGANIZED & WORKSHOPS

- Heried, K. & **Thompson, C. M.** (2019). "Stopping the Leak: Consulting Gig Scientists to Plug the "Leaky Pipeline" and Increase Community Access to Experts," Coastlines and People (CoPe) Scoping Workshop, Chicago, IL
- Plank, T., B. Reece, K. Heried, **Thompson, C. M.** (2019). "Catastrophic Geo-Events: Instrument Arrays, Forecasting and Response," Coastlines and People (CoPe) Scoping Workshop, Chicago, IL
- Thompson, C. M.**, Fang, N., Bedient, P., Nittrouer, J. A. Session Chair and Co-Organizer. (2018) "Further Research into the Cause and Impacts of the 2017 Hurricanes with Applications of Flood Warning and Inundation Mapping During the Storms," American Geophysical Union Meeting, Washington D.C.
- Cervone, G., Nittrouer, J. A., **Thompson, C. M.**, & Wyborn, L. (2017). Session Co-Chair and Co-Organizer. "Late-Breaking Session on Hurricanes Harvey and Irma," American Geophysical Union Meeting, New Orleans, LA
- Frazier, T., **Thompson, C. M.** (2013). Session Organizer. "Improving Local and Regional Hazard Mitigation Planning," Association of American Geographers Annual Meeting, Los Angeles, CA

INVITED TALKS

- Thompson, C. M.** (2021). "Examining the Spatial Contexts of Natural Hazards, Disaster Vulnerability, & Resilience," Department of Environmental Studies, Seminar Series, University of North Carolina Asheville. Asheville, NC
- Thompson, C. M.** (2020). "Enhancing Natural Hazards & Vulnerability/Resilience Studies," Department of Earth and Environmental Sciences, Seminar Series, Boston College. Boston, MA
- Thompson, C. M.** (2020). "Enhancing Natural Hazards & Vulnerability/Resilience Studies," Department of Geosciences, Geosciences Lecture Series, University of Massachusetts at Amherst, Amherst, MA

CAMPUS OR DEPARTMENTAL TALKS & PANELS

- Thompson, C. M.** (2021). Panelist. "Navigating the Academic Job Market During the Pandemic," 2021 Bill Anderson Fund (BAF) Spring Workshop, Texas A&M University, Virtual
- Thompson, C. M.** (2020). Panelist. "Texas College and University GIS Programs," TxGIS Day 2020, Virtual
- Thompson, C. M.** (2019). "Enhancing Natural Hazards & Vulnerability/Resilience Studies," 2019 Bill Anderson Fund (BAF) Spring Fellow Workshop, Texas A&M University, College Station, TX
- Thompson, C. M.** (2018). "Enhancing Natural Hazards & Vulnerability/Resilience Studies," CyberGIS REU program weekly seminar, Texas A&M University, College Station, TX
- Thompson, C. M.**, & **T. Frazier.** (2012). "Development of a probabilistic storm surge & inland precipitation model & a theoretical framework for vulnerability & resilience quantification for coastal communities," Department of Geography weekly seminar, University of Idaho, Moscow, ID

TEACHING EXPERIENCE

Texas A&M University		
Semester	Course	Enrollment
FA 2020	Principles in GIS (GEOG 390) (In Person)	143

	Applications in GIS (GEOG 660) (In Person)	10
	Natural Hazards (GEOG 201) (In Person)	59
FA 2021	Introduction to Human Geography (GEOG 201) (Online)	205
SU 2021	Introduction to Human Geography (GEOG 201) (Online)	63
SP 2021	Graduate Seminar: Human Impact on the Environment (GEOG 619)	10
FA 2020	Principles in GIS (GEOG 390) (Synchronous Online, In-person Labs)	140
	Applications in GIS (GEOG 660) (Synchronous Online, In-person Labs)	21
	Introduction to Human Geography (GEOG 201) (Synchronous Online)	200
SP 2020	2-course release	-
FA 2019	Principles in GIS (GEOG 390) (In Person)	131
	Applications in GIS (GEOG 660) (In Person)	15
SP 2019	Introduction to Human Geography (GEOG 201) (In Person)	168
	Natural Hazards (GEOG 360) (In Person)	69
FA 2018	Principles in GIS (GEOG 390) (In Person)	125
	Applications in GIS (GEOG 660) (In Person)	12
	Introduction to Human Geography (GEOG 201) (In Person)	281
SU 2018	Principles in GIS (GEOG 390) (In Person)	36
SP 2018	Principles in GIS (GEOG 390) (In Person)	99
	Applications in GIS (GEOG 660) (In Person)	14
	Introduction to Human Geography (GEOG 201) (In Person)	120
FA 2017	Principles in GIS (GEOG 390) (In Person)	128
	Applications in GIS (GEOG 660) (In Person)	13

University of Idaho

Human Geography (Honors) (GEOG 165); *SP17 (In Person)*

Natural Hazards and Society (GEOG 411); *SP13, SP16, SP17 (In Person)*

Cartographic Design & Geovisualization (GEOG 390); *FA16 (In Person)*

Special Topics: (GEOG 404) GIS Data Management; *SP16 (In Person)*

GIS Primer (GEOG 385); *In person (SU11, SU12, FA15), Online (SU14, SU15, FA14, FA15)*

STUDENT MENTORING

Graduate Student Mentoring

Advisor*, M.S. / Ph.D.	Prelims	Proposal	Thesis/Dissertation Defense	Grad. Date
T. J. Brown, M.S. (GEOG)	-			
J. Hillin, Ph.D. (GEOG)	-	X	5/6/2022	Exp. Aug. 2022
A. Canada, M.S. (GEOG)	-	X	6/13/2022	Exp. Aug. 2022
M. Billman, M.S. (GEOG)	-	X	3/6/2020	May 2020

D. Edey, M.S. (GEOG)	-	X	3/5/2020	May 2020
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Committee Member**

M.S. Students

J. Puckett, M.S. (URCS)	-	X		
E. Harshaw, M.S. (GEOG)		X		Exp. Aug. 2022
M. Ellis, M.S. (URSC)	-	X		
L. Didio, M.S. (GEOG)	-	X	08/16/2021	Dec. 2021
C. Oswald, M.S., (MARC)	-	X	10/12/2020	Dec. 2020
Z. Cares, M.S. (GEOS)	-	X	(non-thesis)	July 2020
T. Siskind, M.S. (GEOG)	-	X	2/28/2020	July 2020
K. Condina, M.S. (GEOG)	-	X	9/23/2020	Dec. 2020

Ph.D. Students

A. Snell, Ph.D. (GEOL)	X	X		Exp. Aug. 2022
N. Shelley, Ph.D. (ANTH)	X	X		
S. Jang, Ph.D. (URSC)	X	05/02/2022		
D. Keenen, Ph.D. (GEOG)	X	X		
J. White, Ph.D. (ANTH)	X	X		
R. Costantini, Ph.D. (COMM)	X	X	5/27/2021	Aug. 2021
I. Karaye, Ph.D. (EPIE)	X	X	10/12/2018	Dec. 2018

Undergraduate Student Mentoring***

Texas A&M University

Student	Project	Status
R. Joseph (ENGS)	Exploring interactions between perceived social agency and risk perception factors in Sarasota County, FL	FA19 – FA21
B. Salisbury (ENST)	Examining spatial distributions of risk perceptions and evacuation behavior during Hurricane Ike (2008)	Grad SP20, working on publication
C. Parada (ENGS)	Tracking changes in black land ownership and freedom colony sites in Texas	SP20 – Su 20 GEOS 491
E. Saldana (ENGS)	Examining the spatial distribution of evacuation behavior, risk perception, and recovery during Hurricane Harvey (2017)	FA19 - SU20 GEOG 491
C. Tsoucalas (GEOL)	Online natural hazards education program	FA19 – SU20 GEOG 491
R. Castillo (ENGS)	Spatial analysis of lightning strikes in the Houston-Galveston area	SP19 - SU20 GEOS 491

K. Herrin (GEOG) & R. Earl (GIST)	Alternative surveying methods and data uncertainty for TxDOT transportation project planning	FA18 – SP20
K. Johnson (ENGS)	Exploring interactions between perceived social agency and risk perception factors in Sarasota County, FL	SU19 - FA19
G. Fasula (ENGS)	HazMat commodity flow study	SP19
A. Cornwell (ENVS)	Online local environment hazards education for young adults using a social media platform	FA18 - SP19
M. Moeen (GIST) & A. Amalia (GEOP)	Online local environment hazards education for young adults using a social media platform	SP18 - SU18 ENGR 491

University of Idaho

E. Larson (GEOG), 2014 – 2015; R. Loesch (GEOG), 2014; A. Knight (GEOG), 2014; J. Johnstone (GEOG), 2014; O. Guthrie (GEOG), 2014; M. Foushee (GEOG), 2014; K. Baker, Geography, 2014; J. Putnam, 2013-2014; D. Matsche (GEOG), 2013; C. Tate (GEOG), 2013

SERVICE TO PROFESSION

Manuscript reviewer: Frontiers in Environmental Science; The Annals of the American Association of Geographers; Applied Geography, Geosciences, Society & Natural Resources, Socio-Economic Planning Sciences, Nature Communications

Panel reviewer: NOAA – Office of Education, National Science Foundation

Ad Hoc reviewer: National Science Foundation

DEPARTMENTAL/UNIVERSITY SERVICE

2022

Member/Organizer, 2022 Texas Environmental Justice Conference
GEOS IT Geography Department Liaison

2021

Member/Organizer, 2022 Texas Environmental Justice Conference
Member, Urban Sustainability Research Scientist Search Committee
GEOS IT Geography Department Liaison
Member, Accountability, Climate, Equity, and Scholarship (ACES) Fellows Search Committee

2020

GEOS IT Geography Department Liaison
Member, Accountability, Climate, Equity, and Scholarship (ACES) Fellows

2019

Member, Geography Graduate Committee
Faculty Sponsor, Undergraduate and Graduate Women in Geosciences

2018

Member, GIS Faculty Search Committee
Member, Geography Colloquium Committee

2017

Member, Geography Colloquium Committee

MEDIA COVERAGE

- TAMU Research Bulletin (1/24/2022), “Frequent exposure to disasters leads to lower scores for mental health,” <https://research.tamu.edu/2022/01/17/frequent-exposure-to-disasters-leads-to-lower-scores-for-mental-health/>
- Washington Post (1/23/2022), “People who survive multiple disasters have worse mental health,” https://www.washingtonpost.com/health/natural-disasters-mental-health/2022/01/20/00958aca-797b-11ec-83e1-eaef0fe4b8c9_story.html
- Texas A&M Today (1/13/2022), “ Repeated Exposure To Major Disasters Has Long-Term Mental Health Impacts,” <https://today.tamu.edu/2022/01/13/repeated-exposure-to-major-disasters-has-long-term-mental-health-impacts/>

LANGUAGES

English – Native

Spanish – Competent

PROFESSIONAL ORGANIZATIONS

American Association of Geographers (AAG)

AAG Hazards, Risks, & Disasters Specialty Group

AAG Spatial Analysis and Modeling

American Geophysical Union (AGU)

SOFTWARE PROFICIENCIES

Fluency with the ESRI suite of software products, 10+ years