

J. Carlee Smith-Purdum
Curriculum Vitae October 2021

Hazard Reduction and Recovery Center
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EDUCATION:

- 2019 Ph.D. in Sociology, Louisiana State University (LSU), Baton Rouge, LA
Dissertation: *Incarcerated Workers and Inmate All-Hazard Firefighters in Emergency Response and Disasters: A Captive Labor Force*.
Committee: Michelle Meyer (Co-chair), Lori Martin (Co-chair), Matthew Valasik, Sarah Becker
- 2016 M.A. in Sociology, Louisiana State University (LSU), Baton Rouge, LA
Thesis: *Inmate Populations in a Disaster: A Labor Force, a Vulnerable Population, and a Hazard*.
High Pass (highest distinction from the department)
Advisor: Dr. Michelle Meyer
- 2014 B.A. Psychology with Sociology minor, Baylor University, Waco TX
Advisor: Dr. Jo-Ann Tsang, Psychology and Dr. Carson Menken, Sociology

PROFESSIONAL EXPERIENCE:

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| 2019-present | Research Assistant Professor, Landscape Architecture and Urban Planning, Texas A&M University (TAMU), College Station, TX |
| 2019-present | Lecturer, Sociology, TAMU |
| 2019-present | Postdoc, Hazards Reduction and Recovery Center, TAMU, College Station, TX |
| 2015-2018 | Graduate Research Assistant, Stephenson Disaster Management Institute, Louisiana State University (LSU) |
| 2014-2018 | Graduate Research Assistant, Sociology, LSU |
| 2015-2016 | Data Manager, Research Consortia Gulf of Mexico Research Initiative |
| 2013, 2014 | Research Assistant, Sociology & Center for Community Research & Development, Baylor University |
| 2012-2014 | Research Assistant, Psychology & Neuroscience, Baylor University |

RESEARCH INTERESTS:

Social Vulnerability and Disaster, Environmental and Climate Justice, Environmental Racism, Punishment, Prisons, and Incarceration, Incarcerated Workers, Research Methods

EXTERNAL GRANTS AND FUNDING: Total: \$300,060

- 2020 CO-PI. "Mitigating Disaster: Expected Practices to Prepare Incarcerated Persons and Correctional Persons for Emergency Management in the Age of COVID19." Department of Justice, National Institute of Corrections. \$297,060. PI: Nicola Ritter, Center for

Educational Technologies TAMU, CO-PI: J. Carlee Purdum, Hazard Reduction & Recovery Center, TAMU.

- 2020 Working Group Lead “Prisons and Prisoners in COVID-19.” CONVERGE Natural Hazards Center, University of Colorado Boulder. \$1,000.
- 2017 Recipient Natural Hazards Center Quick Response Grant. *Hurricane Irma: Prison Inmates, Disaster Resiliency, and Social Vulnerability in the Georgia Department of Corrections Fire and Life Safety Program*, \$2,000.

INTERNAL GRANTS AND FUNDING: Total: \$2,000

- 2021 Recipient of Melbern G. Glasscock Center for Humanities Research’s Buttrill Ethics Grant. *Can’t Beat the Heat: The Lack of Air-Conditioning in Texas Prisons.* \$2,000.

JOURNAL PUBLICATIONS¹: Total: 8

- 2021 **Revise and Resubmit.** “Resilience in Recovery?: Understanding the Extent, Structure, and Operations of Nonprofits Coordinating to Address Disaster Survivors’ Unmet Needs.” Meyer, Michelle, Mason Alexander-Hawk*, **J. Carlee Purdum**, Haley Yelle**, Jordan Vick**, Adrian Rodriguez**, Saul Romero**, and Kenny Taylor. *Nonprofit and Voluntary Sector Quarterly*.
2021. **Under Review.** “The Volunteering Days is Gone’: All-Hazard Incarcerated Firefighters and the Rural Fire Problem.” **J. Carlee Purdum**, *Social Problems*.
2021. **Under Review.** “Creating a Dataset for Facebook Posts: A Novel Method of Collecting Social Media Data for Qualitative Analysis.” *Information, Communication and Society*. Kyle Breen*, Jackson Pierce**, Michelle Meyer, **J. Carlee Purdum**, and Stuart Nolan.
2021. “No Justice, No Resilience: Prison Abolition as Disaster Mitigation in an Era of Climate Change.” **Carlee Purdum**, Felicia Henry*, Sloan Rucker, Darien Alexander Williams*, Richard Thomas, Benika Dixon, and Fayola Jacobs. *Environmental Justice*.
2020. “Prison Labor Throughout the Life Cycle of Disasters.” **J. Carlee Purdum**, Michelle Meyer. *Risk, Hazards, and Crisis in Public Policy*. 11(3): 296-319.
2020. “Rehabilitation or Exploitation? Incarcerated Firefighters in North Carolina.” **J. Carlee Purdum**. *Carolina Planning Journal*.
- 2018 “Previous hurricane evacuation decisions and future evacuation intentions among residents of southeast Louisiana.” Michelle Meyer, Brant Mitchell, **J. Carlee Smith**,

¹ * Indicates co-author is a graduate student at the time of manuscript submission, ** Indicates co-author is an undergraduate student at the time of manuscript submission

Kyle Breen*, Robbie Iles**. *International Journal of Disaster Risk Reduction* 31: 1231-1244.

- 2018 “Perspectives from Nonprofit Organizations on Education and Training Needs for Disaster Recovery.” Michelle Meyer, **J. Carlee Purdum**, John Aggrey*, Kyle Breen*, Danequa Forrest*, Cristian Nunez*, Walter Gillis Peacock. *Journal of Emergency Management*. 17(3): 225-238.

CHAPTERS IN BOOKS: Total: 2

- 2021 **J. Carlee Purdum**. “Mental Health and COVID19 in Prisons.” *Frontline Responders and Mental Health: A Playbook for Delivering Resilient Public Health Systems Post-Pandemic*. Edited by Jennifer Horney. Forthcoming.
- 2019 **J. Carlee Purdum**. “Hazardous or vulnerable? Prisoners and emergency planning in the U.S.” *Emerging Voices in Natural Hazards Research*. Edited by Fernando Rivera. Oxford, United Kingdom: Butterworth-Heinemann.

OTHER PUBLICATIONS: Total: 10

- 2021 Forthcoming. “Refusal to Mitigate: Extreme Heat and COVID19 in Texas Prisons.” **J. Carlee Purdum** and Amite Dominic. Hazard Reduction and Recovery Center.
- 2020 “Disaster Work is Often Carried Out by Prisoners—Who Get Paid as Little as 14 cents an Hour Despite Dangers.” *The Conversation*, September 25th.
<https://theconversation.com/disaster-work-is-often-carried-out-by-prisoners-who-get-paid-as-little-as-14-cents-an-hour-despite-dangers-145513>
- 2020 “States are Putting Prisoners to Work Manufacturing Coronavirus Supplies.” *The Conversation*, April 21st. <https://theconversation.com/states-are-putting-prisoners-to-work-manufacturing-coronavirus-supplies-135290>
2020. “COVID19, Prisons, and Disasters.” Penal Reform International, October guest blog.
- 2020 “INSPIRE: Integrating Science and Practice to Improve Resilience.” Michelle Meyer, **Carlee Purdum**, Yee Zhu for Josh Roberts, Texas Division of Emergency Management. Hazard Reduction and Recovery Center, Texas A&M University, College Station, TX.
- 2019 “Disaster Recovery Professionals Guidance Development: Qualitative Interview Report.” Funded by the American Planning Association and FEMA. Lead authors in alphabetical order: Judanne Lennox-Morrison*, Michelle Meyer, Abrina Williams*. Research Team in alphabetical order: Troy Brundidge, Shannon Burke, Joseph DeAngelis, Judanne Lennox-Morrison*, Michelle Meyer, **J. Carlee Purdum**, Rich Roths, Joy Semien*, Shannon Van Zandt, Abrina Williams*, Siyu Yu.

- 2019 “Disaster Recovery Professionals Guidance Development: Quantitative Survey Report.” Funded by the American Planning Association and FEMA. Lead authors in alphabetical order: Judanne Lennox-Morrison*, Michelle Meyer, Abrina Williams*, Siyu Yu. Research Team in alphabetical order: Troy Brundidge, Shannon Burke, Joseph DeAngelis, Judanne Lennox-Morrison*, Michelle Meyer, **J. Carlee Purdum**, Rich Roths, Joy Semien*, Shannon Van Zandt, Abrina Williams*, Siyu Yu.
- 2019 Stephenson Disaster Management Institute, Dewberry, and the US Army Corps of Engineers. “Behavioral Analysis for Southwest Louisiana Hurricane Events.” Funded by FEMA.
- 2017 “Inmates: Our Defenders in Disaster.” *Natural Hazards Observer* 40(8).
<https://hazards.colorado.edu/article/inmates-our-defenders-in-disaster>
- 2017 “Behavioral Analysis for Southeast Louisiana Hurricane Events.” Stephenson Disaster Management Institute, Dewberry, and the US Army Corps of Engineers. Report.
<https://www.sdmi.lsu.edu/resources/evac/>

PUBLICATIONS IN PROGRESS: Total: 8

“Compounded Vulnerability: The Intersection of COVID19 and other Hazards in Prisons.” **J. Carlee Purdum**, JC Gaillard, Loic Le De.

“What About Us? PPE Inequality Among State Prison Populations During COVID-19.” **J. Carlee Purdum** and Stacie Merken.

“Can't Beat the Heat: Individual Versus Structural Heat Mitigation in Texas Prisons.” **J. Carlee Purdum** and Amite Dominic.

“Incarcerated Firefighters and the Culture of Poverty Myth” **J. Carlee Purdum**.

“Virtual Ethnography: Emergent Groups, Social Media, and New Technology.” **J. Carlee Purdum**, Kyle Breen*, Michelle Meyer, Stuart Nolan, and Brant Mitchell.

“Hurricane Harvey, Social Media, and Civilian Rescuers: The Cajun Navy Movement” Michelle A Meyer, **J. Carlee Purdum**, Kyle Breen*.

“Long Term Disaster Recovery Guidebook” Michelle A Meyer, **J. Carlee Purdum**.

PUBLIC OUTREACH AND MEDIA RELATIONS: Total 7

Interviewed by Scott Knowles, 2021. [“Prisons, Labor, and the Pandemic.”](#) *COVID-Calls*, June 21st.

Interviewed by Amal Ahmed and Carly Berlin. 2021. [“People are wiped out’: Costs Pile Up as Hurricane Season Begins.”](#) The Texas Observer, June 23rd.

Interviewed by Matt Reynolds. 2021. [“Former inmates are battling legal barriers to work as firefighters.”](#) The American Bar Association Journal, June 1st.

Interviewed by Jolie McCullough. 2021. [“After sweltering temperatures killed Texas prisoners, lawmakers vote to install air conditioning.”](#) *KCBD news 11*, May 16th.

Interviewed by Jessica Kutz. 2021. [“The essential—and dangerous—work prisoners do.”](#) *High Country News*, April 23rd.

Interviewed by Hart Pisani. 2020. [“Locked in: COVID-19 and the Prison Population.”](#) *Sterling Journal Advocate*, March 24th.

Interviewed by Jason Von Meding and Ksenia Chmutina. 2020. [“Prisoners.”](#) *Disasters Deconstructed*, April 13th.

CONFERENCE PAPERS AND PRESENTATIONS: Total: 18

- 2021 **Purdum, J. Carlee.** “Can’t Beat the Heat: Individual Versus Structural Heat Mitigation in Texas Prisons.” Paper presented at the International Research Committee on Disasters Annual Researcher’s Meeting, in Boulder, Colorado July 2021.
- 2021 Breen, Kyle*, **Carlee Purdum**, Michelle Meyer, Jackson Pierce**, Romel Fernandez*, Nathan Young**, and Noah Balbon**. “Cajun Navies, Volunteers, and Crowdsourcing: Social Media Use in Civilian Disaster Response.” Presented at the International Research Committee on Disasters Annual Researcher’s Meeting, in Boulder, Colorado July 2021.
- 2021 Breen, Kyle*, Jackson Pierce**, Michelle Meyer, **Carlee Purdum**, Stuart Nolan, Brant Mitchell, Abigail Bowers**, Arthur Chambers*, Romel Fernandez*, Nathan Young**, and Noah Balbon** “Creating a Dataset for Facebook Posts: A Methodology of Collecting Facebook Data for Qualitative Analysis”. *American Sociological Association Annual Meeting*. Virtual.
- 2021 Meyer, Michelle Annette, Kyle Breen*, **Carlee Purdum**. “Organized Behavior in Disaster: A New Typology Model for Future Disaster Research.” *American Sociological Association Annual Meeting*. Virtual.
- 2021 Meyer, Michelle, **J. Carlee Purdum**, Mason Alexander-Hawk*, Joy Semien*, Haley Yelle**, Kenneth Taylor, Damian Morales, Jordan Vick**, Saul Romero**, Asad Abbas**, and Adrian Rodriguez**. Poster: “Resilience in Recovery: Understanding Long-Term Recovery Group Coordination of Unmet Needs.” *Natural Hazards Workshop*. Virtual.

- 2020 **Purdum, J. Carlee**, Kyle Breen, Michelle Meyer, Stuart Nolan, Brant Mitchell “Virtual Ethnography: Emergent Groups, Social Media, and New Technology.” Paper presented at the International Research Committee on Disasters Annual Researcher’s Meeting, in Boulder, Colorado July 2020.
- 2020 Grant Showcase on Collaborative Research Rescue Project at TAMU COA Research Symposium. Carlee Purdum, Romel Fernandez*, Arthur Chambers*, Jackson Pierce**, and Nathan Young**.
- 2020 Invited Speaker, The Impact of COVID19 in Prisons (webinar), University of Copenhagen, School of Global Health. <https://globalhealth.ku.dk/news/2020/the-impact-of-covid-19-in-prisons/>
- 2020 Invited Speaker, Researching Vulnerable Populations. Frisco, TX. (Frisco ISD capstone course students).
- 2020 Grant Showcase on Collaborative Research Rescue Project at TAMU COA Research Symposium. **Carlee Purdum**, Romel Fernandez*, Arthur Chambers*, Jackson Pierce**, and Nathan Young**.
- 2019 **Purdum, J. Carlee**. “Anything We Need: The Role of All-Hazard Inmate Firefighters in Emergency and Disaster Response.” Paper presented at the Natural Hazards Workshop Researcher’s Meeting, in Boulder, Colorado July 2019.
- 2019 **Purdum, J. Carlee**. “Anything We Need: The Role of All-Hazard Inmate Firefighters in Emergency and Disaster Response.” Paper presented at the Labor and Working Class History Association Annual Meeting, in Durham, North Carolina June 2019.
- 2019 **Purdum, J. Carlee**. “Exploiting the Vulnerable: All-Hazard Inmate Firefighters in Emergency and Disaster Response.” Paper presented at the Texas A&M Multicultural Services RISE Conference, March 2019.
- 2018 **Purdum, J. Carlee**. “Inmate Populations: A Labor Source in Emergencies and Disasters.” Paper presented at the Society for the Study of Social Problems Annual Meeting August 2018.
- 2018 **Purdum, J. Carlee**. “Prison Populations in a Disaster: A Labor Force, a Vulnerable Population, and a Hazard.” Paper presented at the International Sociological Association (ISA) World Congress of Sociology in Toronto, Canada July 2018.
- 2018 **Purdum, J. Carlee**. “Hurricane Irma: Prison Firefighters and Disaster Resilience.” Paper presented at the Natural Hazards Workshop in Boulder, Colorado July 201

- 2017 **Smith, J. Carlee.** “Inmate Populations: A Labor Source in Emergencies and Disasters.” Paper presented at the American Society of Criminology Annual Meeting in Philadelphia, PA November 2017.
- 2017 **Purdum, J. Carlee.** “Non-Traditional Emergency Response: Inmate Labor in a Disaster.” Paper accepted to the Southern Sociological Society Annual Meeting in Greenville, SC March 2017.
- 2016 **Smith, J. Carlee.** “Inmate Populations in a Disaster: A Labor Force, a Vulnerable Population, and a Hazard.” Paper presented at the International Research Committee on Disasters Meeting at the Natural Hazards Workshop in Boulder Colorado July 2016.

WORKSHOPS:

- 2021 Invited Panelist, Panel on Advocacy at the 25th annual Texas Inmate Families Association (TIFA) Workshop and Conference.
- 2020 Invited Speaker, Coastal Communities and Justice Symposium. Melbern G. Glasscock Center’s Humanities: Land Sea Space Initiative, Texas A&M University.
- 2019 Invited Presenter: Hazard Reduction and Recovery Fellows Forum, Theme: “Anything We Need: All-Hazard Inmate Firefighters in Emergencies and Disasters.” College Station, Texas.
- 2019 Representative of Hazard Reduction & Recovery Center. Resilient Response Texas Houston Forum 2019. Hosted by Good360, All Hands and Hearts Smart Response, and OneStar Foundation. [We were the only academics invited].
- 2019 Representative of Hazard Reduction & Recovery Center. INSPIRE Coalition (Integrating Science and Practice to Improve Resilience). Emergency Management Research and Practice Integration Workshops (twice in 2019). Hosted by the Texas Division of Emergency Management (TDEM). Arlington, TX and Fort Worth, TX. (We scribed these events and developed a report on the workshop for TDEM).
- 2018 Presenter. Texas Rural Leadership Program, Theme: “Long Term Hurricane Harvey Recovery Efforts.” Victoria, Texas.
- 2018 Participant. American Meteorological Society, Theme: “(In)Consistency in a Social Media World: Communication Reflections of the 2017 Hurricane Season.” Austin, Texas. <https://annual.ametsoc.org/2018/index.cfm/programs/short-courses-workshops/workshop-the-matt-parker-communication-workshop-on-consistent-weather-messaging/>

2015 Data Manager. Gulf of Mexico Research Initiative Information and Data Cooperative: “GOMRI Data Management Program.” Houston Texas.
<https://data.gulfresearchinitiative.org/node/76>

SPECIFIC RESEARCH EXPERIENCE

- 2020-current Post-Doctoral Fellow. “Disaster City Digital Twin: Integrating Machine and Human Intelligence to Augment Flood Resilience.” Texas A&M University President’s Excellent Fund. PI: Ali Mostafavi, TAMU. \$700,000.
- Analyzing social media geospatial disaster need and civilian rescue requests.
- 2019-current Post-Doctoral Fellow. “Collaborative Research: Organizational Development, Operations, and New Media Among Civilian Flood-Rescue Groups.” National Science Foundation. PI: Michelle Meyer, TAMU. \$95,842, plus REU Supplement
- Conducting qualitative interviews, ethnography, and virtual ethnography with civilian disaster rescuers and emergency management professionals.
 - Mentor 5 REU students
- 2016-2019 Graduate Research Assistant. “IBSS-L: Understanding Social and Geographical Disparities in Disaster Resilience through Social Media.” National Science Foundation. PI: Nina Lam, LSU; Co-PIs: Michelle Meyer, Margaret Reams, Ram Ramanujam, Jay Park, Seungwon Yang, LSU. \$832,000
- Conducting survey research about social media use during Hurricanes Sandy and Isaac, supporting the development of valid machine learning for coding of tweets.
- 2017-2019 Graduate Research Assistant. “RAPID: The Changing Roles of Social Media in Disaster Resilience: The Case of Hurricane Harvey” National Science Foundation. PI: Nina Lam; CO-PIs: Michelle Meyer, Margaret Reams, Seungwon Yang, Seung-Jong Park, Kisung Lee, LSU. \$200,000
- Conducting survey research about social media use during Hurricane Harvey.
- 2014-2019 Graduate Research Assistant. “Structures of Long-Term Disaster Recovery: Organizational Roles and Collaboration in Six Recent Cases.” NSF. PI: Michelle Meyer; Co-PIs: Cooper, Bierling, Van Zandt, Peacock, TAMU. \$221,000 plus \$39,000 supplement for Hurricane Harvey
- Conduct and analyze qualitative interviews with organizational representatives conducting disaster recovery activities
 - Train new graduate students on qualitative interviewing
 - Collect and analyze social network data of organizational collaboration

PROFESSIONAL MEMBERSHIPS:

Society for the Study of Social Problems
International Sociological Association
American Sociological Association
American Society of Criminology
The Labor and Working-Class History Association

AWARDS AND HONORS:

2020 Debakey Leadership Program, Faculty Advisor

2019 Research Fellow, Hazard Reduction & Recovery Center, TAMU

2018 Nominee Rolland Pellegrin Outstanding Graduate Student Award

TECHNICAL EXPERTISE:

Geographic information systems and analysis	-ArcGIS	-QGIS
Network Analysis	-UCINET	
Statistical and quantitative data analysis	-Stata	-SPSS
Qualitative data analysis	-Atlas.ti	

REFERENCES:

Available upon request.