

COURTNEY PAGE-TAN

Embry-Riddle Aeronautical University
Department of Security and Emergency Services
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PROFESSIONAL APPOINTMENTS

- 2020 - Present Assistant Professor of Human Resilience
2021 - Present Chair of the M.S. in Human Security and Resilience Program
Embry-Riddle Aeronautical University
Department of Security and Emergency Services
- 2019 - 2020 Postdoctoral Fellow in Computational Social Science
Wesleyan University
The Wesleyan Media Project and The Quantitative Analysis Center
- 2015 – 2019 Teaching & Research Assistant to Professor Daniel Aldrich
Northeastern University, Department of Political Science

EDUCATION

- 2019 **Ph.D.**, Political Science, *Specializations*: Public Policy and International Relations
Northeastern University, Department of Political Science
- 2013 **M.A.**, Diplomacy and International Relations, *Specializations*: IOs and Global Health
Seton Hall University, School of Diplomacy & International Relations
- 2013 **M.P.A.**, *Specialization*: Public Service, Leadership, Governance, and Policy
Seton Hall University, Department of Political Science
- 2008 **B.S.**, *Majors*: Political Science and International Relations
Indiana Wesleyan University, Department of Political Science

RESEARCH

Peer-Reviewed Publications

13. **Page-Tan, C.** (*forthcoming*) Data tools for assessing disaster risk reduction: An analysis of open-access spatial disaster risk reduction datasets. *The 2022 UN Global Assessment Report on Disaster Risk Reduction (GAR)*. UN Office for Disaster Risk Reduction
12. Fraser, T., **Page-Tan, C.**, and Aldrich, D. P. (2022). Social capital's impact on Covid-19 outcomes at local levels. *Scientific Reports*, 12(1), 6566. <https://doi.org/10.1038/s41598-022-10275-z> (Journal Impact Factor: 4.380)
11. **Page-Tan, C.** and *Fraser, T. (2022) Covid-19 to go? The role of disasters and evacuation in the Covid-19 pandemic. *Global Environmental Change: Human and Policy Dimensions*. <https://doi.org/10.1016/j.gloenvcha.2022.102471> (Journal Impact Factor: 9.523)
10. **Page-Tan, C.** and Corbin, T. B. (2021). Protective policies for all? An analysis of Covid-19 deaths and protective policies among low-, medium-, and high-vulnerability groups. *Disasters*, 45(S1), S119-S145. <https://doi.org/10.1111/disa.12525> (Journal Impact Factor: 2.641)

9. **Page-Tan, C.** (2021). An analysis of social media use and neighbor-assisted debris removal in Houston following Hurricane Harvey. *International Journal of Disaster Risk Reduction*. <https://doi.org/10.1016/j.ijdr.2021.102450> (Journal Impact Factor: 4.32)
8. *Fraser, T., Aldrich, D.P., and **Page-Tan, C.** (2021). Bowling alone or distancing together? The role of social capital in excess death rates from Covid-19. *Social Science & Medicine*. <https://doi.org/10.1016/j.socscimed.2021.114241> (Journal Impact Factor: 4.634)
7. **Page-Tan, C.** (2021). Bonding, bridging, and linking social capital and social media use: How hyperlocal social media platforms serve as a conduit to access and activate bridging and linking ties in a time of crisis. *Natural Hazards*, 1-22. <https://doi.org/10.1007/s11069-020-04397-8> (Journal Impact Factor: 3.102)
6. **Page-Tan, C.** (2020). The role of social media in disaster recovery following Hurricane Harvey. *Journal of Homeland Security and Emergency Management*, 18(1), 93-123. <https://doi.org/10.1515/jhsem-2018-0054> (Journal Impact Factor: 1.258)
5. Aldrich, D.P. and **Page-Tan, C.** (2020). Oasis of resilience? An empirical investigation of rainwater harvesting systems in a high poverty, peripheral community. *Economics of Disasters and Climate Change*, 4(1), 129-144. <https://doi.org/10.1007/s41885-019-00050-2>
4. Aldrich, D. P., **Page-Tan, C.**, and *Fraser, T. (2018). A Janus-faced resource: Social capital and resilience trade-offs. In Trump, B. D., Florin, M.-V., & Linkov, I. (Eds.). *IRGC resource guide on resilience* (vol. 2): Domains of resilience for complex interconnected systems. Lausanne, CH: EPFL International Risk Governance Center.
3. Aldrich, D.P., Meyer, M. and **Page-Tan, C.** (2018). Social capital and natural hazards governance. *Oxford Research Encyclopedia of Natural Hazard Science*. <https://doi.org/10.1093/acrefore/9780199389407.013.254>
2. Aldrich, D.P., **Page-Tan, C.**, and Paul, C. (2016). Social capital and participation in climate change adaptation. *Oxford Research Encyclopedia of Climate Science*. <https://doi.org/10.1093/acrefore/9780190228620.013.342>
1. **Page, C.** (2009). International actors leading in relief efforts: 2004 Indian Ocean Tsunami aid assessment. *Asian Politics and Policy*, 1(3) 435–462. <https://doi.org/10.1111/j.1943-0787.2009.01134.x> (Journal Impact Factor: 0.30)

Book Chapters

2. **Page-Tan, C.**, *Fraser, T. and Aldrich, D.P. (2021) Mapping resilience: GIS techniques for disaster studies in Jason D. Rivera, ed., *Research Methods of Disaster and Emergency Management: Approaches in Application*. Routledge. <https://doi.org/10.4324/9780367823948-22>
1. *Fraser, T., **Page-Tan, C.**, and Aldrich, D.P. (2021) Techniques for social network analysis for disaster evacuation, recovery, and response in Jason D. Rivera, ed., *Research Methods of Disaster and Emergency Management: Approaches in Application*. Routledge. <https://doi.org/10.4324/9780367823948-19>

Reports

4. **Page-Tan, C.**, *Marion, S., Aldrich, D. P., *Holck, D., *Liu, M., *Pimentel, L., and *Shejwal, P. (2021) Social Capital and the Covid-19 Pandemic: A Preliminary Qualitative Analysis. *Natural Hazards*

Center Quick Response Grant Report Series, 335. Boulder, CO: Natural Hazards Center, University of Colorado Boulder. Available at: <https://hazards.colorado.edu/quick-response-report/social-capital-and-the-covid-19-pandemic>

3. Aldrich, D.P., *Fraser, T.; Lee, J., **Page-Tan, C.**, and *Yoshida, T. (2020) Social ties, quarantine policy, and the spread of Covid-19. *Natural Hazards Center Quick Response Grant Report Series, 335.* Boulder, CO: Natural Hazards Center, University of Colorado Boulder. Available at: <https://hazards.colorado.edu/quick-response-report/social-ties-quarantine-policy-and-the-spread-of-covid-19>

2. **Page-Tan, C.** (2018) Cambridge community assessment. Commissioned Report for Cambridge Mayor's Special Advisory Committee on Neighborhood-Based Resiliency

1. **Page-Tan, C.** (2018) The Power of Social Media: How Online Connections Expedited Public Services Following Hurricane Harvey. *Natural Hazards Center Quick Response Grant Report Series, 271.* Boulder, CO: Natural Hazards Center, University of Colorado Boulder. Available at: <https://hazards.colorado.edu/quick-response-report/the-power-of-social-media-how-online-connections-expedited-public-services-following-hurricane-harvey>

Non-Peer Reviewed Publications

3. Aldrich, D.P. and **Page-Tan, C.** (2017) Why social media apps should be in your disaster kit. *The Conversation*. <https://theconversation.com/why-social-media-apps-should-be-in-your-disaster-kit-83743>

2. Huang, Y.H. and **Page, C.** (2014) Financing the health-related millennium development goals. *Global Health Governance*. <https://blogs.shu.edu/ghg/2014/03/20/financing-the-health-related-millennium-development-goals/>

1. **Page, C.** (2013) Impact investing and global health: The future of global health financing? *Global Health Governance*. <https://blogs.shu.edu/ghg/2013/10/21/impact-investing-and-global-health-the-future-of-global-health-financing/>

Under Review & Working Papers

5. Fraser, T., Cherdchaiyapong, N., Tekle, W., Thomas, E., Zayas, J., **Page-Tan, C.**, and Aldrich, D.P. (2022) Trust but verify: Validating new measures for mapping social infrastructure in cities. Available at SSRN: <http://dx.doi.org/10.2139/ssrn.4065162> . *Under Review*

4. **Page, Tan, C.**, *Bourdeau, M., and Fraser, T. The pandemic presidential election: An investigation of voter behavior during the Covid-19 pandemic. *Under Review*

3. **Page-Tan, C.**, *Marion, S., and Aldrich, D.P. Information trust falls: The role of social networks and information during the Covid-19 pandemic among suburbanites. *Under Review*

2. **Page-Tan, C.** and Aldrich, D.P. Snowed In? Social and Transportation Networks in the 2015 Boston Snowmageddon. *Working Paper*.

1. Aldrich, D.P., Fraser, T., **Page-Tan, C.**, and Yabe, T. Drivers of Evacuation: A Multi Level Study of Social Capital and Mobility during Covid-19. *Working Paper*.

FUNDED RESEARCH

External Research Funding

Aldrich, D.P., *Fraser, T., **Page-Tan, C.** (Co-Principal Investigator), and Yabe, T. (2022) *Drivers of Evacuation: A Multi-Level Study of Social Capital and Mobility during Covid-19*. Natural Hazards Center Quick Response Program. Credit: \$5,000

Page-Tan, C. (Principal Investigator) Aldrich, D.P., and Marion, S. (2021) *The Role of Civic Networks and Information Sources During the Covid-19 Pandemic*. Russell Sage Foundation. Honorarium: \$1,000

Page-Tan, C. (Principal Investigator), Aldrich, D.P., Marion, S., LeNoble, C., and Kwesell, A. (2020) *The role of civic networks and information sources during the Covid-19 pandemic in changing political and economic landscapes*. Natural Hazards Center Quick Response Program. Credit: \$4,500

Aldrich, D.P., Fraser, T., Lee, J., Marion, S., and **Page-Tan, C.** (Co-Principal Investigator) (2020) *CONVERGE Covid-19 Working Group for Social Ties, Mobility, and Covid-19 Spread Rates*. Natural Hazards Center Quick Response Program. Credit: \$5,000

Page-Tan, C. (Principal Investigator) (2017) *The Power of Social Media: How Online Connections Expedited Public Services Following Hurricane Harvey*. Natural Hazards Center Quick Response Program. Credit: \$2,000

Internal Research Funding

Page-Tan, C. (2016-2017) *Virtual networks in a disaster*. Northeastern University, Experiential Learning Grant. Credit: \$2,000

PRESENTATIONS

Conference Presentations (Selected)

20. **Page-Tan, C.**, *Bourdeau, M., and Fraser, T. (2022) The Pandemic Presidential Election: An Investigation of Voter Behavior During the Covid-19 Pandemic. Paper presented at the Midwest Political Science Association Annual Conference, Virtual.

19. Fraser, T., **Page-Tan, C.**, and Aldrich, D. (2022) Getting to Know You: Mapping Social Infrastructure in American Neighborhoods for Community Resilience. Paper presented at the Midwest Political Science Association Annual Conference, Virtual.

18. Corbin, T., Aydiner, C., LeNoble, C., and **Page-Tan, C.** (2022) Transboundary Disasters: Current and Future Challenges in Disaster Governance, American Society for Public Administration (ASPA), March 18-22, Jacksonville, Florida.

17. Aydiner, C., LeNoble, C., and **Page-Tan, C.** (2022) Transboundary Disasters: Current and Future Trends in Disaster: Politics and Policy Research. Southern Political Science Association Annual Conference, Virtual.

16. LeNoble, C., Aydiner, C., Corbin, T., and **Page-Tan, C.** (2021) Interdisciplinary transboundary disaster team science: collectively forging a future of human resilience and security. Panel presentation at the INGRoup Conference, Virtual.

15. **Page-Tan, C.**, Marion, S., and Aldrich, D.P. (2021) The role of civic networks and information sources during the Covid-19 pandemic. Paper presented at the Russell Sage Foundation Social and Political Impact of Covid-19 in the United States Conference, Virtual.
14. **Page-Tan, C.** and Corbin, T.B. (2021) Governmental response and inequality during Covid-19: Resilience at the margins. Paper presented at the Midwest Political Science Association Annual Conference, Virtual.
13. **Page-Tan, C.** and Fraser, T. (2021) Covid-19 to go? The role of disasters and evacuation in the Covid-19 pandemic. Paper presented at the American Association of Geographers Annual Meeting, Virtual.
12. Corbin, T.B., LeNoble, C, and **Page-Tan, C.** (2021) Interdisciplinary disaster research is not a disaster: A comparative analysis of interdisciplinary teams in virtual environments. Paper presented at the Southern Political Science Association Annual Conference, Conference Within A Conference, Virtual.
11. **Page-Tan, C.** (2020) Disaster recovery and social media use: An analysis of Facebook, Twitter, and Nextdoor use in Houston following Hurricane Harvey. Paper presented at the American Political Science Association Conference, Virtual.
10. **Page-Tan, C.** (2019) If you built it within a half mile, they will come: Building hyperlocal bridging social capital. Paper presented at the International Studies Association Conference, Toronto.
9. **Page-Tan, C.** (2018) Social capital: Unpacking how it supports resilience, and how it can be strengthened. Paper presented at the Resilience Measurement, Evidence and Learning Conference, New Orleans.
8. **Page-Tan, C.** (2018) A new era of disaster response: How social media is changing top-down approaches." Paper presented at the American Political Science Association Conference, Boston.
7. **Page-Tan, C.** and Sanaie-Movahed, B. (2017) An examination of countries with voluntary political party and institutionalized legislative gender quotas." Poster presented at the International Cartographic Conference, Washington, D.C.
6. **Page-Tan, C.** and Aldrich, D.P. (2017) Estimating social media effects on neighborhood resiliency. Paper presented at the 2017 Midwest Political Science Association Annual Conference, Chicago.
5. **Page-Tan, C.** and Aldrich, D.P. (2017) Social and transportation networks in the 2015 Boston Snowmageddon." Paper presented at the 2017 Boston Area Research Initiative Conference, Boston.
4. **Page, C.** (2015) Social capital and shared identities as determinants of international disaster aid: 2000-2013. Paper presented at the Midwest Political Science Association Annual Conference, Chicago.
3. **Page, C.** (2013) Norm internalization: The case for disaster risk reduction. Paper presented at the Midwest Political Science Association Annual Conference, Chicago.
2. **Page, C.** (2013) Why states prepare for natural disasters: Implementation of the Hyogo Framework for Action 2005-2015. Paper presented at the International Studies Association Annual Conference, San Francisco.

1. **Page, C.** (2008) International actors leading in relief efforts: 2004 Indian Ocean Tsunami aid assessment. Paper presented at the Midwest Political Science Association Annual Conference, Chicago.

Invited Talks

12. “Measuring & mapping risk and resilience.” March 2022, Aldrich Resilience Lab, Northeastern University, Virtual
11. “Master class in mapping and spatial analysis.” November 2021, Quantitative Techniques in R for Political Science, Dept. of Political Science, Northeastern University, Virtual
10. “Evaluating program rigor: A multimethod assessment strategy.” October 2021, Embry–Riddle Aeronautical University, 2021-2022 Academic Assessment Webinar Series, Virtual
9. “Rigor assessment and program outcome mapping.” September 2021, Embry–Riddle Aeronautical University, Accreditation and Assessment Coordination Committee Meeting, Virtual
8. “Building resilience to everything.” August 2021, Embry–Riddle Aeronautical University, Human Resources Workshop, Virtual
7. “Leveraging Qualtrics for innovative instruction.” January 2021, College of Arts & Sciences, Embry–Riddle Aeronautical University-Worldwide, Virtual
6. “Community resilience across Facebook, Twitter, and Nextdoor users.” November 2020, College of Arts & Sciences, Embry–Riddle Aeronautical University-Worldwide, Virtual
5. “How hyperlocal social media fueled rebuilding after Hurricane Harvey.” November 2019, Wesleyan University GIS Day, Middletown, CT
4. “The driving force behind Houston Resilience following Hurricane Harvey: Social media's role in post-disaster recovery.” October 2019, New England Analysts' Roundtable, Hartford, CT
3. “How online social media platforms promote climate change literacy.” March 2019, ISeeChange Staff Brown Bag, Virtual
2. “How social networks transform during a disaster.” May 2018, FEMA Integrated Public Alert & Warning System Working Group 2 - Public Needs, Virtual
1. “Social capital and community resilience.” May 2017, Cambridge Mayor's Special Advisory Committee on Neighborhood-Based Resilience, Cambridge, MA

TEACHING

† Denotes Teaching Assistant, Δ Denotes Original Author of Course

Undergraduate courses

| | |
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| POL 101 | American Government and Politics, Purdue University |
| QAC 201 | Applied Data Analysis, Wesleyan University |
| POL 130 | Introduction to International Relations, Purdue University † |
| RSCH 202 | Introduction to Research Methods, Embry–Riddle Aeronautical University |
| POL 415 | U.S. Politics and the Media, Purdue University † |
| POLS 1401 | Western Political Thought, Seton Hall University |

Graduate courses

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| MHSR 501 | The Internet, Security, and Governance, Embry–Riddle Aeronautical University |
| MHSR 510 | Introduction to Human Security, Embry–Riddle Aeronautical University |
| MHSR 515 | International Law and U.S. Security Policy, Embry–Riddle Aeronautical University Δ |
| MHSR 540 | Foundations of Resilience, Embry–Riddle Aeronautical University Δ |
| MHSR 550 | Resilience Planning and Administration, Embry–Riddle Aeronautical University Δ |
| MSES 560 | Ethics in the Public Sector, Embry–Riddle Aeronautical University |
| MHSR 680 | Topics in Human Security and Resilience, Embry–Riddle Aeronautical University Δ |
| POLS 7346 | Resilient Cities, Northeastern University † |
| POLS 7392 | Social Capital and Resilience, Northeastern University † |

Student Supervision

RA = Research Assistant, GR = Graduate Student, UG = Undergraduate Student

Spring 2022, 2 UG/6 GR RAs
Fall 2021, 1 GR RA

Spring 2021, 1 UG /5 GR RAs
Summer 2020, 2 UG RAs

SERVICE

Journal Reviews: *International Journal of Disaster Risk Reduction, Disasters, Globalisation, Societies and Education, Frontiers in Sustainable Cities - Social Inclusion in Cities*

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| 2021 – Present | Chair , Recruitment, Retention, and Matriculation Committee, Department of Security and Emergency Services, Embry-Riddle Aeronautical University |
| 2021 – Present | Review Editor , <i>Frontiers in Sustainable Cities - Social Inclusion in Cities</i> |
| 2020 - Present | Member , Human Security Research Cluster, Embry-Riddle Aeronautical University |
| 2020 - Present | Member , Curriculum Committee, Embry-Riddle Aeronautical University, Department of Security and Emergency Services |
| 2019 – Present | Lab Manager , Aldrich Resilience Lab, Northeastern University |
| 2019 – Present | Newsletter Editor , APSA Science, Technology & Environmental Politics Section |
| 2021 | Member , Search Committee for Applied Sciences Chair, Embry-Riddle Aeronautical University, College of Arts and Sciences |

Professional Affiliations

- American Political Science Association
- Southern Political Science Association
- Midwest Political Science Association
- American Association of Geographers

OTHER EXPERIENCE

| | |
|----------------|--|
| 2019 - Present | Consultant , ISeeChange |
| 2014 - Present | Managing Editor , Journal of Global Health Governance, A publication of Seton Hall University's School of Diplomacy and International Relations |
| 2020 | Consultant , United Nations Development Programme – Mexico |
| 2020 | Consultant , United Nations Development Programme – Paraguay |
| 2020 | Consultant , City of Cambridge, Massachusetts |
| 2017 - 2019 | Principal Investigator , Commissioned Report for Cambridge Mayor's Special Advisory Committee on Neighborhood-Based Resiliency |
| 2017 | Research Assistant , Department of Homeland Security Regional Resiliency Assessment Program Grant, Northeastern University |
| 2015 | Instructor , Department of Political Science, Purdue University |
| 2014 - 2015 | Teaching Assistant , Department of Political Science, Purdue University |
| 2015 | Research Assistant , Mellon Challenge Exploratory Grant |
| 2014 | Adjunct Professor , Department of Political Science, Seton Hall University |
| 2013 | Global Health Governance Intern , Council on Foreign Relations |

TRAINING

University of California Santa Barbara, *National Center for Ecological Analysis and Synthesis*, Open Science for Synthesis Gulf Research Program Training (2017)

Harvard University, *Center for Geographic Analysis*, GIS for the Humanities and Social Sciences Workshop (2015)

SOFTWARE & PROGRAMMING LANGUAGES

| | | |
|----------------|-------------------|-------------------|
| STATA | ArcGISPro | Adobe Animate |
| SPSS | qGIS | Adobe Acrobat Pro |
| R Studio | Geoda | R |
| Gephi | Adobe Illustrator | SQL |
| ArcGIS Desktop | Adobe Photoshop | Python |

HONORS AND AWARDS

- Pi Alpha Alpha Honor Society
- Pi Sigma Alpha Honor Society
- Summer's Family Military and First Responders Scholarship, Seton Hall University (2012)
- Salgo Noren Foundation Summer Internship Grant, Seton Hall University (2012)