

# COURTNEY PAGE-TAN

Department of Security and Emergency Services  
Embry-Riddle Aeronautical University  
1 Aerospace Boulevard, Daytona Beach, FL 32114  
courtneypagetan [at] gmail.com

## POSITIONS

2020 - Assistant Professor of Human Resilience  
2021 - 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

## EDUCATION

**Northeastern University**, Department of Political Science  
Ph.D. in Political Science, 2019  
Dissertation: *The Strength of Hyperlocal Ties*  
Committee: Daniel P. Aldrich, Stephen E. Flynn, & Jennie C. Stephens

**Seton Hall University**, School of Diplomacy & International Relations  
M.A. in Diplomacy and International Relations, 2013  
Specializations: International Organizations and Global Health and Human Security  
Advisor: Martin Edwards

**Seton Hall University**, Department of Political Science  
M.P.A., 2013  
Specialization: Public Service, Leadership, Governance, and Policy  
Advisor: Matthew Hale

**Indiana Wesleyan University**, Department of Political Science  
B.S., 2008  
Majors: Political Science and International Relations

## PUBLICATIONS

### Peer-Reviewed

**Page-Tan, C.** and Corbin, T. (*forthcoming*) Protective policies for all? An analysis of COVID-19 deaths and protective policies among low, medium, and high vulnerability groups. *Disasters*

**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

**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>

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 COVID19. *Social Science & Medicine*.  
<https://doi.org/10.1016/j.socscimed.2021.114241>

**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>

**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>

Aldrich, D.P, and **Page-Tan, C.** (2020). Oasis of resilience? An empirical investigation of rain water 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>

Aldrich, D. P., **Page-Tan, C.**, & 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.

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>

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>

**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>

## Under Review

**Page-Tan, C.** and Fraser, T. COVID-19 To Go? The Role of Disasters and Evacuation in the COVID-19 Pandemic. *Global Environmental Change: Human and Policy Dimensions*

Fraser, T., **Page-Tan, C.**, and Aldrich, D.P. Won't You Be My Neighbor? Uncovering ties between Social Capital and COVID-19 Outcomes at Local Levels. *Scientific Reports*

**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. *RSF: The Russell Sage Foundation Journal of the Social Sciences*

## Book Chapters

**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>

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>

### Professional Reports

**Page-Tan, C.**, Marion, S., Aldrich, D., Holck, D., Liu, M., Pimentel, L., and Shejwal, P. (2021) Social Capital and the COVID-19 Pandemic: A Preliminary Qualitative Analysis. Quick Response Report. Natural Hazards Center: University of Colorado-Boulder

Aldrich, D.P., Fraser, T., Lee, J., **Page-Tan, C.**, and Yoshida, T. (2020) Social ties, quarantine policy, and the spread of COVID19. Quick Response Report. Natural Hazards Center: University of Colorado-Boulder

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

**Page-Tan, C.** (2018) The power of social media: How online connections expedited public services following Hurricane Harvey. Quick Response Report. Natural Hazards Center: University of Colorado-Boulder

### Commentaries

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>

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/>

**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/>

### ACADEMIC EXPERIENCE

- 2021 - **Program Chair**, Master's Degree in Human Security and Resilience, Department of Security and Emergency Services, Embry-Riddle Aeronautical University - Worldwide Campus
- 2014 - **Managing Editor**, Journal of Global Health Governance, A publication of Seton Hall University's School of Diplomacy and International Relations
- 2015 - 2019 **Teaching & Research Assistant**, Professor Daniel Aldrich, Department of Political Science, Northeastern University

### OTHER EXPERIENCE

- 2019 - **Consultant**, ISeeChange

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

## INSTRUCTIONAL EXPERIENCE

### Undergraduate courses

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

MHSR 501 - The Internet, Security, and Governance, Embry–Riddle Aeronautical University  
 MHSR 510 - Introduction to Human Security, Embry–Riddle Aeronautical University  
 MHSR 550 - Resilience Planning and Administration, Embry–Riddle Aeronautical University  
 MHSR 540 - Foundations of Resilience, Embry–Riddle Aeronautical University  
 MHSR 550 – Resilience Planning and Administration  
 MSES 560 - Ethics in the Public Sector, Embry–Riddle Aeronautical University  
 MHSR 680 - Topics in Human Security and Resilience, Embry–Riddle Aeronautical University  
 POLS 7346 - Resilient Cities, Northeastern University \*  
 POLS 7392 - Social Capital and Resilience, Northeastern University \*

*\* Teaching Assistant*

### Student Supervision

Fall 2021, 1 graduate Research Assistant  
 Spring 2021, 1 undergraduate and 5 graduate Research Assistants  
 Summer 2020, 2 undergraduate Research Assistants

**CONFERENCE PRESENTATIONS (SELECTED)**

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.

**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.

**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.

**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.

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.

**Page-Tan, C.** (2020) Community resilience across Facebook, Twitter, and Nextdoor users. Paper presented at the ERAU-WW COAS Research Symposium, Virtual.

**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.

**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.

**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.

**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.

**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.

**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.

**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.

**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.

**Page, C.** (2013) Norm internalization: The case for disaster risk reduction. Paper presented at the Midwest Political Science Association Annual Conference, Chicago.

**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.

**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.

## **GRANTS, FELLOWSHIPS & AWARDS**

### *External Grants*

Russell Sage Foundation, “The Role of Civic Networks and Information Sources During the COVID-19 Pandemic,” with Daniel Aldrich (Co-I) and Summer Marion (Co-I), (2021, \$1,000 Honorarium)

Natural Hazards Center Quick Response Program, “The role of civic networks and information sources during the COVID-19 pandemic in changing political and economic landscapes,” with Daniel Aldrich (Co-I), Summer Marion (Co-I), Chelsea LeNoble (Co-I), Allison Kwesell (Co-I), (2020, \$4,500)

Natural Hazards Center Quick Response Program, “CONVERGE COVID-19 Working Group for Social Ties, Mobility, and COVID-19 Spread Rates,” Coinvestigator with Daniel Aldrich (PI), Timothy Fraser (Co-I), Juheon Lee (Co-I), Summer Marion (Co-I), (2020, \$5,000)

Natural Hazards Center Quick Response Program, “The Power of Social Media: How Online Connections Expedited Public Services Following Hurricane Harvey,” (2017, \$2,000)

Northeastern University, Experiential Learning Grant, “Virtual networks in a disaster,” (2016-2017, \$2,000)

### *Fellowships 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)

## **PROFESSIONAL ACTIVITIES & ASSOCIATIONS**

### **Invited Talks & Activities**

Invited Speaker, Quantitative Techniques in R for Political Science, Dept. of Political Science, Northeastern University, November 2021, Virtual (“Master class in mapping and spatial analysis”)

Invited Speaker, Embry–Riddle Aeronautical University, 2021-2022 Academic Assessment Webinar Series, October 2021, Virtual (“Evaluating program rigor: A multimethod assessment strategy”)

Invited Speaker, Embry–Riddle Aeronautical University, Accreditation and Assessment Coordination Committee Meeting, September 2021, Virtual (“Rigor assessment and program outcome mapping”)

Invited Speaker, Embry–Riddle Aeronautical University, Human Resources Workshop, August 2021, Virtual (“Building resilience to everything”)

Invited Speaker, College of Arts & Sciences, Embry–Riddle Aeronautical University-Worldwide, January 2021, Virtual (“Leveraging Qualtrics for innovative instruction”)

Invited Speaker, Wesleyan University GIS Day, November 2019, Middletown, CT (“How hyperlocal social media fueled rebuilding after Hurricane Harvey”)

Invited Speaker, New England Analysts' Roundtable, October 2019, Hartford, CT (“The driving force behind Houston Resilience following Hurricane Harvey: Social media's role in post-disaster recovery”)

Invited Speaker, ISeeChange Staff Brown Bag, March 2019, Virtual (“How online social media platforms promote climate change literacy”)

Invited Panelist, FEMA Integrated Public Alert & Warning System Working Group 2 - Public Needs, May 2018, Virtual (“How social networks transform during a disaster”)

Invited Speaker, Cambridge Mayor’s Special Advisory Committee on Neighborhood-Based Resilience, May 2017, Cambridge, MA (“Social capital and community resilience”)

### **Activities & Service (Discipline & Other)**

**Chair**, Recruitment, Retention, and Matriculation Committee, Department of Security and Emergency Services, Embry-Riddle Aeronautical University (2021 – present)

**Review Editor**, *Frontiers in Sustainable Cities - Social Inclusion in Cities*

**Lab Manager**, Aldrich Resilience Lab, Northeastern University (2019 – present)

**Newsletter Editor**, APSA Science, Technology & Environmental Politics Section (2019 – present)

**Member**, American Political Science Association

**Member**, Midwest Political Science Association

**Member**, American Association of Geographers

### **TRAINING AND CERTIFICATIONS**

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

SPSS

R Studio

Gephi

ArcGIS Desktop

ArcGISPro

qGIS

Geoda

Adobe Illustrator

Adobe Photoshop

Adobe Animate

Adobe Acrobat Pro

R

SQL

Python