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I. Personal History and Professional Experience

A. Educational Background

B.S. in Meteorology (*minor in Communication*), Texas A&M University, 2019

B.A. in Spanish, Texas A&M University, 2019

M.A. in Communication, University of Oklahoma, 2021

Ph.D. in Communication, University of Oklahoma, 2024

B. List of Academic Positions Since Final Degree

Distinguished Postdoctoral Research Associate, Dept. of Climate, Meteorology & Atmospheric Sciences and Dept. of Communication, Univ. of Illinois Urbana-Champaign, Urbana, IL, 2024–2025

Assistant Professor, Dept. of Climate, Meteorology & Atmospheric Sciences, Univ. of Illinois Urbana-Champaign, Urbana, IL, 2025–present

Affiliate Faculty, Dept. of Communication, Univ. of Illinois Urbana-Champaign, Urbana, IL, 2025–present

C. Other Professional Employment

Undergraduate Research Assistant, Dept. of Atmospheric Sciences, Texas A&M University, College Station, TX, 2015–2018

Media Technician, College of Geosciences, College Station, TX, Texas A&M University, 2017–2019

Bilingual On-Air Meteorologist, 101.1 FM/ 1240 AM, Brazos Digital Media, Radio Alegría (KTAM), Bryan, TX, 2017–2019

Undergraduate Teaching Assistant, Dept. of Communication, Texas A&M University, College Station, TX, 2018–2019

Undergraduate Research Assistant, Dept. of Communication, Texas A&M University, College Station, TX, 2018–2019

Graduate Teaching Assistant, Dept. of Communication, University of Oklahoma, Norman, OK, 2019–2021

Multimedia Assistance in Spanish Team, National Weather Service (through CIWRO), 2019–2024

Graduate Research Assistant, Cooperative Institute for Severe and High-Impact Weather Research and Operations (CIWRO), National Oceanic & Atmospheric Administration (NOAA) National Severe Storms Laboratory (NSSL), and NWS Storm Prediction Center (SPC), Norman, OK, 2019–2024

Bilingual Digital Meteorologist, MyRadar and ACME AtronOmatic, LLC, Orlando, FL, 2022–present

D. Honors, Recognitions, and Outstanding Achievements

21 total awards, including 1 international, 15 national, and 6 university-level honors

1. Texas A&M Buck Weirus Spirit Award, one of the university's highest honors given to only 55 students across the entire campus, Texas A&M University, 2019
2. Texas A&M Undergraduate Research Medallion, Texas A&M University, 2019
3. Gold Medallion Milestone Scholar, College of Geosciences, Texas A&M University, 2019
4. Top Oral Presentation, 14th American Meteorological Society (AMS) Symposium on Societal Applications, 2019
5. Awarded competitive funding (\$7,000) to attend the AMS Summer Policy Colloquium, National Science Foundation, 2020
6. Top Oral Presentation, 11th Conference on the Transition of Research to Operations, AMS, 2021
7. Best Oral Presentation, 16th AMS Symposium on Societal Applications, 2021
8. David Sankey Minority Award in Meteorology, National Weather Association (NWAs), 2021
9. Top Oral Presentation, 17th AMS Symposium on Societal Applications, 2022
10. Best Oral Presentation, 46th NWAs Annual Meeting, 2022
11. Best Oral Presentation, 6th Conference on Weather Warnings & Communication, AMS, 2022
12. Award for Early Career Professional Achievement, for "innovative and extensive collaboration in risk communication for Spanish-speaking communities and leadership as an exceptional member across multiple AMS Boards/Committees," AMS (*international award*), 2022
13. Josh Lee Memorial Award, for outstanding scholarship in mass communication, Dept. of Communication, University of Oklahoma, 2023
14. Telly Award (2x), for exceptional digital media content, Telly Awards Judging Council, 2023
15. Outstanding Graduate Student, Office of Student Life, University of Oklahoma, 2023
16. Top Paper Award, Latina/o Communication Studies Division, 109th National Communication Association (NCA) Annual Convention, 2023
17. Best Oral Presentation, 48th NWAs Annual Meeting, 2023
18. Outstanding Achievement in Research, for "groundbreaking work in bilingual risk communication and instrumental role in transforming the way weather information is disseminated across the National Weather Service," CIWRO/NOAA, 2023
19. Ralph E. Cooley Memorial Award, for outstanding scholarship in intercultural communication studies, Dept. of Communication, University of Oklahoma, 2023
20. Premio Orgullo Peruano, given annually to Peruvians in the U.S. who, with their outstanding track records of success, have proudly represented Perú abroad, State of Oklahoma, 2024
21. Top Paper Award, Applied Communication Division, 111th NCA Annual Convention, 2025

E. Invited Lectures and Invited Conference Presentations

50 Overall, Includes 5 Keynotes; 8 Seminars; 5 Government Briefings; 21 Talks; 11 Panels

1. "The NWS Storm Prediction Center Spanish language initiative." Invited talk at the NOAA Exhibition at the 100th AMS Annual Meeting, AMS, Boston, MA, 2020
2. "Considering the weather communication implications of conflicting information and the future of message consistency in the weather enterprise." Invited panelist at the 14th Symposium on Societal Applications, 100th AMS Annual Meeting, AMS, Boston, MA, 2020

3. "The development of NWS Storm Prediction Center risk categories in Spanish." Invited talk at the NSSL and Scientific Services Division Chief Meeting, NOAA, Virtual, 2020
4. "Communicating climate change: Going beyond the language barrier." Invited talk at the Climate Matters Univision Weathercasters Workshop, Climate Central, Virtual, 2020
5. "Leadership in any role across the atmospheric sciences." Invited talk at the 2021 AMS Early Career Leadership Academy, AMS, Virtual, 2021
6. "Introducing Spanish-language materials for National Lightning Safety Awareness Week" Invited talk at the Symposium on Lightning and Lightning Safety Awareness, World Meteorological Organization and Caribbean Meteorological Organization, Virtual, 2021
7. "The Spanish speaker: The marginalized and hidden victim of disaster." Invited briefing at the Board on Atmospheric Sciences and Climate Spring Meeting, National Academies of Sciences, Engineering, and Medicine, Washington D.C., 2021
8. "Climate reporting by and for the Latino community." Invited panelist at the International Training Conference, National Association of Hispanic Journalists, Washington, D.C., 2021
9. "Advancing diversity, inclusion, equity, and justice across the weather, water, and climate enterprise." Invited talk at the AMS Summer Policy Colloquium, AMS, Washington, D.C.
10. "Weather communication en español: Serving the underserved." Invited briefing to NOAA/NWS leadership, NOAA, Washington, D.C., 2021
11. "A Weather-Ready Nation para todos: Solutions beyond the grassroots." Invited briefing to NOAA/NWS leadership, NOAA, Washington, D.C., 2021
12. "An extraordinary but not uncommon life." Invited keynote presentation after being honored with the AMS Award Early Career Professional Achievement in the 10th Conference on Early Career Professionals, 102nd AMS Annual Meeting, AMS, Houston, TX, 2022
13. "Moving beyond simply translating emergency messages for growing and diverse Texas audiences." Invited plenary panelist at the 2nd Annual Disaster Preparedness, Response, Innovation, Mitigation, and Recovery Conference, University of North Texas, Denver, TX, 2022
14. "Advancing diversity, equity and inclusion in the weather, water, and climate enterprise." Invited keynote speaker at the AMS Washington Forum, AMS, Washington D.C., 2022
15. "The December 10, 2021, quad-state tornado outbreak overview: NOAA NSSL and OU-CIWRO Behavioral Insights Unit." Invited talk at the World Weather Research Program Value Chain, World Meteorological Organization, Virtual, 2022
16. "Systemic vulnerabilities created an informal warning system for U.S. Hispanic and Latinx immigrants in the 2021 quad-state tornado outbreak." Invited talk at the NWS Paducah Weather Forecast Office, NOAA, Virtual, 2022
17. "R2O en español: Bilingual social science research and intersections with NWS Services." Invited briefing to the NWS Analyze, Forecast, and Support Office Senior Staff Members, NOAA, Virtual, 2022
18. "Natural hazards & societal engagement." Invited talk at the William Hooke Symposium, 103rd Annual Meeting, AMS, Denver, CO, 2023
19. "¡El pueblo unido jamás será vencido! The origins of the AMS Committee for Hispanic and Latinx Advancement." Invited talk at the 22nd Annual Student Conference, 103rd AMS Annual Meeting, Denver, CO, 2023
20. "AMS Board on Representation Accessibility, Inclusion, and Diversity: Shaping our community." Invited plenary panelist at the 103rd AMS Annual Meeting, AMS, Denver, CO, 2023

21. "Beyond the monolith: A path forward in serving multilingual communities." Invited talk at the NWS Partner Engagement Event, 103rd AMS Annual Meeting, Denver, CO, 2023
22. "Breaking the language barrier: Advances in bilingual disaster communication." Invited seminar, College of Emergency Preparedness, Homeland Security, and Cybersecurity, University at Albany, Albany, NY, 2023
23. "Communicating risk in a changing climate." Invited talk at the Climate Adaptation Science Center, North Carolina State University, 2023
24. "Using GIS to advance multilingual NWS services." Invited briefing to NOAA/NWS Headquarters Leadership, NOAA, Virtual, 2023
25. "A reflexive journey: The scientist within." Invited keynote presentation at the AMS Early Career Leadership Academy, AMS, Phoenix, AZ, 2023
26. "Shifting perspectives in inclusive risk communication." Invited panelist at the Natural Hazards Center Workshop, Broomfield, CO, 2023
27. "By the community, for the community: The past and future of the AMS Committee for Hispanic and Latinx Advancement." Invited talk at the Latinos@NOAA Employee Resource Group, NOAA, Virtual, 2023
28. "The melting pot paradox: Ensuring equitable response for all New Yorkers." Invited keynote presentation at the Northeast Regional Operations Workshop, NWS Albany Weather Forecast Office, Albany, NY, 2023
29. "Breaking the language barriers through multilingual weather and climate communication." Invited seminar in the Department of Journalism, University of Illinois Urbana-Champaign, Urbana, IL, 2023
30. "Connecting skies and society: Empowering underserved populations through social science research." Invited talk at the 23rd Annual Student Conference, 104th AMS Annual Meeting, AMS, Baltimore, MD, 2024
31. "Vulnerabilities among multilingual and immigrant populations during tropical cyclones." Invited talk at the Advancing Risk Communication with Decision-Makers for Extreme Tropical Cyclones Workshop, National Academies of Sciences, Engineering, Technology, and Medicine, Washington, DC., 2024
32. "Comunicando los CliMAS in multiple languages." Invited seminar in the Department of Climate, Meteorology & Atmospheric Sciences, University of Illinois Urbana-Champaign, Urbana, IL, 2024
33. "Undocumented immigrant disparity in extreme weather events." Invited talk in the Disaster Displacement Disparities and Undocumented Migrants Workshop, Latino Politics & Policy Initiative, University of California Irvine, Irvine, CA, 2024
34. "A nationwide call for multilingual risk communication." Invited talk at the Summit on Risk Communications, Crisis Communications, and Community Engagement, Federal Emergency Management Agency, Washington, D.C., 2024
35. "Nuances of multilingual risk communication." Invited talk at the Workshop on Improving Prediction and Communication of Weather/Climate Hazards in the US and Africa, Pennsylvania State University, University Park, PA, 2024
36. "Advancing multilingual risk communication to ensure a Weather-Ready Nation for all." Invited seminar in the Department of Atmospheric Sciences, University of North Dakota, Grand Forks, ND, 2024

37. “From lived experience to meaningful change: Advancing risk communication for Spanish speakers in the United States.” Invited keynote presentation in the NOAA Hispanic Heritage Month Celebration, NOAA, Virtual, 2024
38. “It’s a team effort after all: How to be good stewards in communicating weather hazards.” Invited panelist in the 105th AMS Annual Meeting, New Orleans, LA, 2025
39. “A decade of discovery: Reflecting on 10 years of social science research transitions.” Invited panelist in the 105th AMS Annual Meeting, New Orleans, LA, 2025
40. “Advancing effective risk communication for diverse end users and communities.” Invited seminar in the Department of Climate, Meteorology & Atmospheric Sciences, University of Illinois Urbana-Champaign, Urbana, IL, 2025
41. “Advancing effective risk communication for diverse end users and communities.” Invited seminar in the School of Meteorology, University of Oklahoma, Norman, OK, 2025
42. “Developing a communication framework to improve collaboration between the NWS and transportation stakeholders during winter weather events.” Invited talk at the NOAA Pathfinder National Meeting, NOAA, Virtual, 2025
43. “Advancing multilingual risk communication: From the 1960s to today.” Invited talk at the Language & Accessibility for Alerts and Warnings Workshop, Virtual, 2025
44. “Diverse climate insights across disciplines.” Invited plenary panelist, Valparaiso University, Valparaiso, IN, 2025
45. “Evaluating effectiveness and impact of risk communication.” Invited panelist in the Institute of Behavioral Science, University of Colorado Boulder, Boulder, CO, 2025
46. “Delivering your best presentation at the NWA’s Annual Meeting #NWA25.” Invited panelist in the National Weather Association, Virtual, 2025
47. “From tiempo to 天气: Language, place, and extreme weather communication.” Invited seminar/colloquium in the Department of Geography and Geographic Information Science, University of Illinois Urbana-Champaign, Urbana, IL, 2025
48. “From tiempo to 天气: Communicating extreme weather in multiple languages.” Invited seminar/colloquium in the Department of Meteorology and Atmospheric Sciences, Pennsylvania State University, University Park, PA, 2025
49. “From lived experience to action: Advancing risk communication for U.S. Spanish speakers.” Invited talk in the Graduate College Hispanic Heritage Month Celebration of Scholarship, University of Illinois Urbana-Champaign, Urbana, IL, 2025
50. “From headlines to hashtags: Social media for effective climate change communication panel.” Invited panelist at the 53rd Conference on Broadcast and Digital Meteorology, 106th AMS Annual Meeting, AMS, 2026

F. Offices Held in Professional Societies

Chair, AMS Committee for Hispanic and Latinx Advancement, 2019–present

Voting Member, AMS Board on Representation, Accessibility, Inclusivity, and Diversity, 2020–present

G. Editorships of Journals or Other Learned Publications

Not applicable at this time.

H. Grants Received

External

Investigators: Ripberger, J. (PI); Trujillo-Falcón, J. E. (Co-PI); Callesano, S. C. (Co-PI); Reedy, J. (Co-PI); Cionea, I. (Co-PI)

Title: A Weather-Ready Nation para Todos: Establishing Best Practices in Communicating Hazardous Weather Risks to Spanish Speakers

Funding agency: NOAA Office of Atmospheric Research (JTII)

Project period: 2022–present

Total award: \$767,707 (UIUC share: \$189,034)

Role: Co-Principal Investigator

Investigators: Trujillo-Falcón, J.E. (PI)

Title: Developing the “Next Generation” Winter Weather Experiment Testbed: Integrating Road Hazards

Funding agency: NOAA Hydrometeorology Testbed (Subaward by Tobin, D.)

Project period: 2024–2025

Total award: \$75,000

Role: Principal Investigator

Investigators: Trujillo-Falcón, J.E. (PI)

Title: Examining Fire Risks in Short-Term Rentals: A Multidisciplinary Review of Regulation, Data, and Communication

Funding agency: National Fire Protection Association

Project period: 2026–present

Total award: \$20,000

Role: Principal Investigator

Internal

Investigators: Trujillo-Falcón, J.E. (PI); Montgomery, G. (Co-PI)

Title: Beyond Translation: A Comprehensive Measure of Weather Salience for U.S. Spanish Speakers

Funding agency: Cooperative Institute for Severe and High-Impact Weather Research and Operations Director’s Directed Research Fund

Project period: 2022–2023

Total award: \$31,415

Role: Principal Investigator

Investigators: Trujillo-Falcón, J.E. (PI); Fagin, T. (Co-PI); Bozeman, M. (Co-PI)

Title: Implementing a National Weather Translation Program through Artificial Intelligence, Geographic Information System, and Risk Communication

Funding agency: Cooperative Institute for Severe and High-Impact Weather Research and Operations Director’s Directed Research Fund

Project period: 2023–2024

Total award: \$18,250

Role: Principal Investigator

Investigators: Trujillo-Falcón, J.E. (PI)

Title: From Binary to Bilingual: Evaluating Spanish Translations from the NWS' Artificial Intelligence Program to Improve Federal Weather Warnings

Funding agency: University of Illinois Urbana-Champaign (INSURE Program)

Project period: 2026–present

Total award: \$41,279

Role: Principal Investigator

Recommended for Funding

Investigators: Trujillo-Falcón, J.E. (PI); Lombardo, F. (Co-PI)

Title: Tornado, Tornade, 龙卷风, Cơn Lốc Xoáy: Examining Vulnerabilities in Non-English Speaking Communities to Enhance Multilingual NWS Operations for Extreme Wind Events

Funding agency: NOAA VORTEX-USA

Project period: 2025–2028 (anticipated; but later withdrawn due to evolving federal priorities)

Total award: \$1,388,937

Role: Principal Investigator

Investigators: Trujillo-Falcón, J.E. (PI); Méndez, M.

Title: Enhancing the Communication and Dissemination of Wildfire Warnings for the American Public

Funding agency: U.S. Bureau of Land Management

Project period: 2025–2028 (anticipated; but later withdrawn due to evolving federal priorities)

Total award: \$498,857

Role: Principal Investigator

Investigators: Kafka, S. (PI); Trujillo-Falcón, J. E. (Co-PI)

Title: A Spanish Glossary for Enhanced Weather Literacy

Funding agency: American Institute for Physics Venture Fund

Project period: 2025–2026 (anticipated; but later withdrawn due to evolving federal priorities)

Total award: \$75,000 (UIUC Share: \$8,000)

Role: Co-Principal Investigator

I. Review Panels (e.g., for Governmental Agencies, Educational Institutions)

NSF EPSCoR Research Infrastructure Improvement (RII) Track-1 Review Panel, “Change Hawaii: Harnessing the Data Revolution for Island Resilience,” National Science Foundation, 2026

II. Publications and Creative Works

Denotes any publication derived from the candidate's thesis.

* Denotes publication that has undergone stringent editorial review by peers.

+ Denotes publication that was invited, awarded, or carries special prestige and recognition.

_ Denotes publication from a student or postdoc advised or co-advised by J. Trujillo-Falcón

^ Denotes proceedings or presentations where J. Trujillo-Falcón is the lead presenter

A. Doctoral Thesis Title

***Trujillo-Falcón, J. E.** (2024). *Examining warning response among Spanish Speakers in the United States to enhance multilingual Wireless Emergency Alerts*. [Dissertation, University of Oklahoma]. ShareOK Repository. <https://shareok.org/handle/11244/340567>

B. Books Authored or Co-Authored

Not applicable at this time

C. Books Edited or Co-Edited

Not applicable at this time.

D. Chapters in Books

Trujillo-Falcón, J. E. (In Press). Nuances of multilingual communication. In K. K. Stephens & K. Faust (Eds.), *The handbook of infrastructure communication*. Wiley.

E. Monographs

Not applicable at this time.

F. Articles in Journals

1. *+**Trujillo-Falcón, J. E.**, Bermúdez, O., Negrón-Hernández, K., Lipski, J., Leitman, E. M., & Berry, K. (2021). Hazardous weather communication en español: Challenges, current resources, and future practices. *Bulletin of the American Meteorological Society*, 102(4), 765-773. <https://doi.org/10.1175/BAMS-D-20-0249.1>
2. *Hurst, E. H., **Trujillo-Falcón, J. E.**, Reedy, J., & Anderson, C. (2021). Citizen deliberation at South Carolina's 'Our Coastal Future Forum': Talking through risk related to climate change. *Journal of Risk Research*, 25(6), 764-777. <https://doi.org/10.1080/13669877.2021.2020882>
3. ***Trujillo-Falcón, J. E.**, Reedy, J., Klockow-McClain, K. E., Berry, K., Stumpf, G. J., Bates, A. V., & LaDue, J. L. (2022). Creating a communication framework for FACETS: How Probabilistic Hazard Information affected warning operations in NOAA's Hazardous Weather Testbed. *Weather, Climate and Society*, 14(3), 881-892. <https://doi.org/10.1175/WCAS-D-21-0136.1>
4. *Obermeier, H., Berry, K., Klockow-McClain, K. E., Campbell, A., Carithers, C., Gerard, A., & **Trujillo-Falcón, J. E.** (2022). The creation of a research television studio to test Probabilistic Hazard Information with broadcast meteorologists in NOAA's Hazardous Weather Testbed. *Weather, Climate and Society*, 14(3), 949-963, <https://doi.org/10.1175/WCAS-D-21-0171.1>

5. ***Trujillo-Falcón, J. E.**, Gaviria Pabón, A., Ripberger, J., Bitterman, A., Thornton, J. B., Krocak, M. J., Ernst, S. R., Cassiani Obeso, E., & Lipski, J. (2022). ¿Aviso o alerta? Developing effective, inclusive, and consistent watch and warning translations for U.S. Spanish speakers. *Bulletin of the American Meteorological Society*, 103(12), 2791-2803. <https://doi.org/10.1175/BAMS-D-22-0050.1>
6. *Tripp, D. D., **Trujillo-Falcón, J. E.**, Klockow-McClain, K.E., Reeves, H. D., Berry, K. L., Waldstreicher, J. S., & Nelson, J. A. (2023). Foundational needs of forecasters for probabilistic winter forecasting. *Weather and Forecasting*, 38(1), 3-15. <https://doi.org/10.1175/WAF-D-22-0116.1>
7. *Bitterman, A., Krocak, M. J., Ripberger, J. T., Ernst, S., **Trujillo-Falcón, J. E.**, Gaviria Pabón, A. G., Silva, C., & Jenkins-Smith H. (2023). Assessing public interpretation of original and linguist-suggested SPC risk categories in Spanish. *Weather and Forecasting*, 38(7), 1095-1106. <https://doi.org/10.1175/WAF-D-22-0110.1>
8. *Morales, A., Molina, M. J., **Trujillo-Falcón, J. E.**, Nuñez Ocasio, K. M., Lang, A. L., Murillo, E., Bieri, C., Barrett, B. S., Avilés, L. B., and Camargo, S. J. (2023). Hispanic and Latinx academics and researchers in the atmospheric sciences: The people, the challenges, and the future. *Bulletin of the American Meteorological Society*, 104(7), 1290-1313. <https://doi.org/10.1175/BAMS-D-22-0075.1>
9. *Obermeier, H. B., Berry, K. L., & **Trujillo-Falcón, J. E.** (2023). Understanding broadcast meteorologists' current and future use of severe weather watches, warnings, and Probabilistic Hazard Information. *Weather, Climate, and Society*, 15(4), 893-907. <https://doi.org/10.1175/WCAS-D-23-0013.1>
10. *Tripathi, A., Shepherd, M., Morris, V., Andrade, K., Whyte, K. P., David-Chavez, D. M., Hosbey, J., **Trujillo-Falcón, J. E.**, Hunter, B., Hence, D., Carlis, D., Brown, V., Parker, W. L., Geller, A., Reich, A., & Glackin, M. (2024). Centering equity in the Nation's weather, water, and climate services. *Environmental Justice*, 17(1), 45-53. <https://doi.org/10.1089/env.2022.0048>
11. ***Trujillo-Falcón, J. E.**, Gaviria Pabón, A. R., Reedy, J. & Klockow-McClain, K. E. (2024). Systemic vulnerabilities in Hispanic and Latinx immigrant communities led to the reliance on an informal warning system in the December 10-11, 2021, tornado outbreak. *Natural Hazards Review*, 25(2), 04023059. <https://doi.org/10.1061/NHREFO/NHENG-1755>
12. ***Trujillo-Falcón, J. E.**, Montgomery-Vestecka, G., & **Dunham, V.** (2024). Spanish speakers in the United States report differing levels of weather salience based on their ethnocultural background. *Weather, Climate, and Society*, 16(4), 621-631. <https://doi.org/10.1175/WCAS-D-23-0153.1>
13. *Lawson, J., **Trujillo-Falcón, J. E.**, Schultz, D. M., Flora, M. L., Goebbert, K. H., Lyman, S. N., Potvin, C. K., & Stepanek, A. J. (2025). Pixels and predictions: Potential of GPT-4V in meteorological imagery analysis and forecast communication. *Artificial Intelligence for the Earth Systems*, 4(1), 240029. <https://doi.org/10.1175/AIES-D-24-0029.1>
14. *Thomas, A. S., Schlickman, E. E., & **Trujillo-Falcón, J. E.** (2025). Before the flames: California residents' understanding of fire weather warnings and personal preparation around wildfire. *International Journal for Disaster Risk Reduction*, 120(5). <https://doi.org/10.1016/j.ijdrr.2025.105396>
15. *Michaud, M., Sutton, J., Berry, K. L., Obermeier, H. B., Sheridan, H., Cox, G E., Rafizadeh, C. M., Olivas, S., Johnson, N., Krocak, M. J., **Trujillo-Falcón, J. E.**, & Sun, L. L. (2025). NextGen TV

and advanced emergency alerting: The future of TV warnings and alerts. *Bulletin of the American Meteorological Society*, 106(8), E1489-E1497. <https://doi.org/10.1175/BAMS-D-24-0162.1>

16. *Gaviria Pabón, A., Krocak, M. J., Ripberger, J. T. & **Trujillo-Falcón, J. E.** (2025). Linguistic challenges in severe weather communication: A comparison of English and Spanish-speaking populations. *Bulletin of the American Meteorological Society*, 106(9), E1940–E1954. <https://doi.org/10.1175/BAMS-D-24-0199.1>
17. ***Trujillo-Falcón, J. E.**, Carstens, J. D., Grow Cei, E., Alonso, V., Martucci, J., Wolff, E. C., & Gomes, R. D. O. (2025). The emergence of digital meteorology: Certification, standards, and education for an evolving field. *Bulletin of the American Meteorological Society*, 106(11), E2179–E2186. <https://doi.org/10.1175/BAMS-D-24-0235.1>
18. ***Trujillo-Falcón, J. E.**, Collins, N., Meeks, L., Hubbard, C. G., Woods Placky, B., & Kopicki, A. (2025). Communicating climate change en español: A nationwide survey of bilingual broadcast meteorologists in the United States. *Bulletin of the American Meteorological Society*, 106(12), E2606–E2617. <https://doi.org/10.1175/BAMS-D-25-0189.1>

G. Creative Works

Not applicable at this time.

H. Patents

Not applicable at this time.

I. Bulletins, Reports, or Conference Proceedings

1. Krocak, M. Ernst, S., Ripberger, J., Williams, C., **Trujillo-Falcón, J. E.**, Gallo, B., and Marsh, P. (2021). *The National Weather Service Storm Prediction Center's convective outlook: Conclusions from past research and recommendations for future development*. NOAA FY 2021 Milestone Report. <https://www.spc.noaa.gov/publications/krocak/otlk-res.pdf>
2. Bitterman, A., Ripberger, J., Krocak, M., Silva, C., Jenkins-Smith, H., **Trujillo-Falcón, J. E.**, & Gaviria Pabón, A. (2022). *Developing a baseline: Public perception, understanding, and responses to severe weather forecasts and warnings for U.S. Spanish speakers*. Institute for Public Policy Research and Analysis Reference Report. <https://doi.org/10.7910/DVN/IZNQVA>
3. Orr, M. Cook, J., Borth, A., Sublette, S., Maibach, E., Lewandowsky, S., Lindmeier, & **Trujillo-Falcón, J. E.** (2022). *Climate myth debunking for broadcast meteorologists*. George Mason Center for Climate Change Communication. Report. <https://www.climatechangecommunication.org/wp-content/uploads/2022/01/Climate-Myth-Debunking-for-Broadcast-Meteorologists.pdf>
4. Bitterman, A., Ripberger, J., Silva, C., Jenkins-Smith, H., **Trujillo-Falcón, J. E.**, Gaviria Pabón, A., & Krocak, M. (2023). *Expanding the baseline: public receptions, understanding, and responses to severe weather forecasts and warnings for U.S. Spanish speakers*. Institute for Public Policy Research and Analysis Reference Report. <https://doi.org/10.7910/DVN/Q5SCBB>
5. Bitterman, A., Ripberger, J., Silva, C., Jenkins-Smith, H., **Trujillo-Falcón, J. E.**, Gaviria Pabón, A., & Ernst, S. (2024). *Continuing the baseline: Public receptions, understanding, and responses to severe weather forecasts and warnings for U.S. Spanish speakers*. Institute for Public Policy Research and Analysis Reference Report. <https://doi.org/10.7910/DVN/JFLKOJ>

6. **Trujillo-Falcón, J. E.**, Montgomery-Vestecka, G., Dunham, V., & Mejia, J. (2024). *Weather and culture: A national survey of Spanish speakers in the United States*. UIUC Reference Report. <https://doi.org/10.17603/ds2-cmhy-zr95>
7. **Trujillo-Falcón, J. E.**, Salamon, R., Collins, N., Meeks, L., Hubbard, C., Woods Placky, B., & Kopicki, A. (2025). A nationwide survey of bilingual broadcast meteorologists and their climate change reporting practices. UIUC Reference Report. <https://doi.org/10.17603/ds2-qe69-9t42>

J. Abstracts

88 total abstracts (73 oral, 15 poster); 11 recognized with national or university-level awards

1. **Trujillo J. E.**, Truesdale, S., & Logan, T. (2018, January). *Synoptical analysis of aerosols from biomass burning and their impacts on severe hail events in the contiguous United States*. Poster at the 17th Annual Student Conference, 98th AMS Annual Meeting, Austin, TX.
2. **Trujillo, J.E.**, Creveld, E., & Logan, T. (2017, January). *Aerosol impacts on hail size using NOAA SPC observations*. Poster at the 16th Annual Student Conference, 97th AMS Annual Meeting, Seattle, WA.
3. **Trujillo, J. E.**, & Conrad, C. (2019, January). *Organizational influence on public policy related to Hurricane Harvey. 14th Symposium on Societal Applications*, 99th AMS Annual Meeting, Phoenix, AZ. **(Named “Honorable Mention”)**
4. **Trujillo, J. E.**, Bermúdez, O., Marsh, P. T., & Leitman, E. (2020, January). *The Storm Prediction Center Spanish language initiative*. 8th Symposium on the Weather, Water, and Climate Enterprise, 100th AMS Annual Meeting, Boston, MA.
5. Obermeier, H., Berry, K., Klockow-McClain, K. E., Meyer, T. C., Campbell, P. A., Gerard, A. E., **Trujillo, J. E.**, & Carithers, C. (2020, January). *Communicating probabilistic hazard information: Broadcast meteorologists in the 2018-2019 Hazardous Weather Testbed*, 15th Symposium on Societal Applications, 100th AMS Annual Meeting, Boston, MA.
6. **Trujillo, J. E.** (2020, January). *Introducing the AMS Latinx Committee*. 8th Symposium on Building a Weather-Ready Nation, 100th AMS Annual Meeting, Boston, MA.
7. Klockow-McClain, K. E., Berry, K., Shivers-Williams, C., Krocak, M. J., Wilson, K. A., James, J. J., Stumpf, G. J., Stanford, Z., MacDonald, A., **Trujillo, J. E.**, & Gerard, A. E. (2020, January). *Putting probabilistic products before end users: The 2019 HWT emergency manager experiments*, 15th Symposium on Societal Applications, 100th AMS Annual Meeting, Boston, MA.
8. **Trujillo, J. E.**, Berry, K., Obermeier, H., Gerard, A., Klockow-McClain, K. E., Campbell, P. A., Meyer, T. C., & Ripberger, J. T. (2020, January). *Plumes, probabilities, and posts: How social media coverage evolved in the 2019 Hazardous Weather Testbed Probabilistic Hazard Information experiment*. 15th Symposium on Societal Applications, 100th AMS Annual Meeting, Boston, MA.
9. **Trujillo J. E.**, Hurst, E. H., & Reedy, J. (2020, April). *Overcoming conflict: Risk-construal analysis of climate deliberations*. Annual Conflict Conference, Austin, TX. Canceled due to COVID-19.
10. **Trujillo, J. E.**, Bermúdez, O., Lipski, J., & Leitman, E. (2020, September). *The Storm Prediction Center Spanish language initiative*. 45th NWAs Annual Meeting, Virtual.
11. **Trujillo, J. E.**, Reedy, J., & Klockow-McClain, K. (2020, September). *The embedded, meteorological system: Interoffice collaboration and decision making of NWS weather forecast offices in a FACETs paradigm*. Poster at the 45th NWAs Annual Meeting, Tulsa, OK.

12. Berry, K., Obermeier, H., & **Trujillo, J. E.** (2020, September). *Broadcast meteorologists communicating probabilistic information in a FACETs paradigm*. 45th National Weather Association Annual Meeting, Tulsa, OK.
13. **Trujillo, J. E.**, Reedy, J., & Klockow-McClain, K. (2020, September). *The embedded, meteorological system: Interoffice collaboration and decision making of NWS weather forecast offices in a FACETs paradigm*. Poster at the 33rd Organizational Communication Mini Conference, Tampa, FL.
14. Obermeier, H., Berry, K., Klockow-McClain, K. E., & **Trujillo, J. E.** (2021, January). *Probabilistic hazard information for broadcast meteorologists: A survey of preferences in a future warning paradigm*. 16th Symposium on Societal Applications, 101st AMS Annual Meeting, Virtual.
15. **Trujillo, J. E.**, Lipski, J., Silva, C., & Ripberger, J. (2021, January). *A first look at how Spanish-speaking populations receive, comprehend, and respond to tornado risks: Pilot results from the 2020 NOAA Weather and Society Survey*. 9th Symposium on Building a Weather-Ready Nation, 101st AMS Annual Meeting, Virtual.
16. Yas, V., Sánchez Núñez, P., **Trujillo, J. E.**, Schultz, C. J., Murphy, K. M., Romero, A., Torres, M., & Bianchi, C. (2021, January). *¿When thunder roars go indoors? Spanish-Language resources for National Lightning Safety Awareness Week*. 9th Symposium on the Weather, Water, and Climate Enterprise, 101st AMS Annual Meeting, Virtual.
17. **Trujillo, J. E.**, Lee, S. K., Berry, K., Obermeier, H., Klockow-McClain, K. E., Campbell, P. A., Meyer, T., Williams, S., Ernst, S., & Landeros, E. (2021, January). *Applying social scientific concepts to enhance R2O: Analysis of 2018 and 2019 NOAA Hazardous Weather Testbed Probabilistic Hazard Information experiments*. 11th Conference on Transition of Research to Operations, 101st AMS Annual Meeting, Virtual. **(2nd Place Overall Oral Presentation)**
18. **Trujillo, J. E.**, Lipski, J., Leitman, E., Bermúdez, O., Negrón, K., & Berry, K. (2021, January). *Creating unifying risk messages en español: Frameworks for translation and interpretation*. 16th Symposium on Societal Applications, 101st AMS Annual Meeting, New Orleans, LA. **(1st Place Overall Oral Presentation)**.
19. **Trujillo-Falcón, J. E.**, Berry, K., & Obermeier, H. (2021, August). *Co-producing next-generation warnings: A national survey of broadcast meteorologists*. 46th National Weather Association Annual Meeting, Tulsa, OK. **(1st Place Overall Oral Presentation)**
20. **Trujillo-Falcón, J. E.**, & Boucher, T. (2021, August). *A Weather-Ready Nation for all*: Building a foundation that removes the asterisk*. NWA's 46th Annual Meeting, Tulsa, OK.
21. **Trujillo-Falcón, J. E.**, Reedy, J., Klockow-McClain, K. E., Berry, K., Stumpf, G., Bates, A., and LaDue, J. (2021, November). *Embedded weather forecasting systems: Using communication theory to guide future National Weather Service warning operations*. 107th National Communication Association Annual Convention, Seattle, WA.
22. Bitterman, A., Krocak, M., Ripberger, J., Ernst, S. R., **Trujillo-Falcón, J. E.**, Gaviria Pabón, A. R., Silva, C., & Jenkins-Smith, H. (2022, January). *Cross-sector collaboration for effective risk communication: A case study of SPC risk categories in Spanish*. 17th Symposium on Societal Applications, 102nd AMS Annual Meeting, Houston, TX.
23. Orr, M., Borth, A., Sublette, M. S., Lindmeier, B., **Trujillo-Falcón, J. E.**, Maibach, E. W., & Cook, J. (2022, January). *Climate myth debunking for TV meteorologists*. 17th Symposium on Societal Applications, 102nd AMS Annual Meeting, Houston, TX.

24. Tripp, D. D., Reeves, H. D., **Trujillo-Falcón, J. E.**, Klockow-McClain, K., Berry, K. L., Waldstreicher, J., & Nelson Jr., J. A. (2022, January). *Foundational needs of forecasters for probabilistic winter forecasting*. 12th Conference on Transition of Research to Operations, 101st AMS Annual Meeting, Houston, TX.
25. **Trujillo-Falcón, J. E.**, Berry, K. L., Obermeier, H., & Klockow-McClain, K. (2022, January). *Co-producing next generation warnings: A national survey of broadcast meteorologist preferences with Probabilistic Hazard Information*. 12th Conference on Transition of Research to Operations, 101st AMS Annual Meeting, Houston, TX.
26. **Trujillo-Falcón, J. E.**, Gaviria Pabón, A., Ripberger, J., Bitterman, A., Krocak, K., Ernst, S. R., Cassiani Obeso, E., & Lipski, J. (2022, January) *¿Aviso o alerta? A national survey on how U.S. Spanish speakers interpret current and proposed weather warning terminology*. 17th Symposium on Societal Applications, 102nd AMS Annual Meeting, Houston, TX. **(3rd Place Overall Presentation)**
27. **Trujillo-Falcón, J. E.**, Meeks, L., Hubbard, C. G., Kopcki, A., & Placky, B. W. (2022, January). *El cambio climático en televisión: A national survey of bilingual broadcast meteorologist climate change reporting practices*. 3rd Symposium on Diversity, Equity, and Inclusion, 102nd AMS Annual Meeting, Houston, TX.
28. Gaviria Pabón, A., **Trujillo-Falcón, J. E.**, Ripberger, J., Bitterman, A., Krocak, K., Thornton, J., Ernst, S. R., Cassiani Obeso, E., & Lipski, J. (2022, March) *¿Aviso o alerta? A national survey on how U.S. Spanish speakers interpret current and proposed weather warning terminology*. Poster at the 2nd Annual Disaster Preparedness, Response, Innovation, Mitigation, and Recovery Conference, Denton, TX.
29. Mejia, J., Miller, M., Gonzalez, D., **Trujillo-Falcón, J. E.**, & Montgomery, G. (2022, May). *Lost in translation: Measuring weather salience in U.S. Spanish-speaking communities*. Poster at the University of Oklahoma School of Meteorology Capstone Symposium, Norman, OK.
30. Bianchi, C. **Trujillo-Falcón, J. E.**, Yas, V., Schultz, C. J., Sans, I., Romero, A., Torres, M., & Murphy K. (2022, June). *National Lightning Safety Awareness Week en español: Successes from 2021 and a vision forward*. 49th AMS Conference on Broadcast Meteorology, Milwaukee, WI.
31. **Trujillo-Falcón, J. E.**, Gaviria Pabón, A., & Reedy, J. (2022, June). *Under the shadows and rubble: Understanding immigrant and Spanish-speaker vulnerability in the December 2021 tornado outbreak*. 6th AMS Conference on Weather Warnings and Communications, AMS, Milwaukee, WI. **(1st Place Overall Oral Presentation)**
32. Miller, M., Mejia, J., Gonzalez, D., **Trujillo-Falcón, J. E.**, & Montgomery, G. (2022, June). *Lost in translation: Improving communication of extreme weather to Spanish-speaking communities*. 6th AMS Conference on Weather Warnings and Communications, Milwaukee, WI. **(4th Place Overall Oral Presentation)**
33. **Trujillo-Falcón, J. E.**, Obermeier, H., & Berry, K. L. (2022, June). *Impacts of uncertainty on broadcast meteorologists communicating Threats-in-Motion*. 6th AMS Conference on Weather Warnings and Communications, Milwaukee, WI.
34. DeWinter, T., **Trujillo-Falcón, J. E.**, Klockow-McClain, K., Obermeier, H., & Berry, K. (2022, August). *Impacts of uncertainty on end-users communicating Threats-In-Motion*. NWAs Annual Meeting, Pittsburgh, PA.

35. ^**Trujillo-Falcón, J. E.**, Gaviria Pabón, A. R., Reedy, J., & Klockow-McClain, K. E. (2022, August). *No warnings where I'm from: Inequities in immigrant disaster response during tornadoes*. NWAs 47th Annual Meeting, Pittsburgh, PA.
36. Obermeier, H., Berry, K. L., Klockow, K., Manross, S. K., & **Trujillo-Falcón, J. E.** (2022, October). *Broadcast meteorologists and Threats-in-Motion development: Communicating uncertainties with a rapidly updating warning polygon*. 30th AMS Conference on Severe Local Storms, Santa Fe, NM.
37. Klockow-McClain, K. E., DeWinter, T., Gaviria, A., Hogg, D., Sharpe, J. E., & **Trujillo-Falcón, J. E.** (2023, January). *Dec 10, 2021 Mid-South tornado outbreak: An integrated study of forecast communication and public response*. 18th Symposium on Societal Applications, 103rd AMS Annual Meeting, Denver, CO.
38. Morales, A., Molina, M. J., **Trujillo-Falcón, J. E.**, Lang, A. L., Barrett, B. Camargo, S. J., Nuñez Ocasio, K. M., Murillo, E., Bieri, C., & Avilés, L. (2023, January). *Commitment to active allyship is required to address the lack of Hispanic and Latinx representation in the Atmospheric Sciences*. 4th Symposium on Diversity, Equity, and Inclusion, 103rd AMS Annual Meeting, Denver, CO.
39. Obermeier, H., Berry, K. L., Wilson, K. A., Krocak, M., Klockow-McClain, K., **Trujillo-Falcón, J. E.**, & Ernst, S. R. (2023, January). *End user decisions over time: Assessing weather information needs and decision making for severe weather events with broadcast meteorologists*. Special Symposium on Forecasting a Continuum of Environmental Threats (FACETs), 103rd AMS Annual Meeting, Denver, CO.
40. ^**Trujillo-Falcón, J. E.** (2023, January). *Reimagining survey methodology to better serve U.S. Hispanic and Latinx communities*. 18th Symposium on Societal Applications, 103rd AMS Annual Meeting, Denver, CO.
41. ^**Trujillo-Falcón, J. E.**, Montgomery, G., Dunham, V., Mejia, J., & Miller, M. (2023, January). *Measuring weather salience in U.S. Spanish-speaking communities*. 18th Symposium on Societal Applications, 103rd AMS Annual Meeting, Denver, CO.
42. ^**Trujillo-Falcón, J. E.** (2023, January). *FACETs en español: Ensuring an effective, equitable response*. Special Symposium on Forecasting a Continuum of Environmental Threats (FACETs), 103rd AMS Annual Meeting, Denver, CO.
43. Dunham, V., **Trujillo-Falcón, J. E.**, and Montgomery-Vestecka, G. (2023, April). *Weather en español: How do Spanish speakers seek and respond to weather information?* 21st Southeast Severe Storms Symposium, Starkville, MS.
44. Obermeier, H., Berry, K. L., & **Trujillo-Falcón, J. E.** (2023, June). *Seven years of testing experimental NOAA severe weather products with broadcast meteorologists*. 50th AMS Conference on Broadcast Meteorology, Phoenix, AZ.
45. ^+**Trujillo-Falcón, J. E.** (2023, September). *Probabilistic information: Is it useful for bilingual speakers?* 48th National Weather Association Annual Meeting, Kansas City, MO. **(1st Place Graduate Research Presentation)**
46. +Dunham, V., & **Trujillo-Falcón, J. E.** (2023, September). *Advancing risk communication through a national survey of Hispanic and Latinos in the United States*. 48th National Weather Association Annual Meeting, Kansas City, MO. **(1st Place Undergraduate Research Presentation)**

47. Reedy, J. R., **Trujillo-Falcón, J. E.**, and A. R. Gaviria Pabón. (2024, January). *Paths for understanding weather hazards and warnings: Socialization of Spanish-speaking immigrants to weather communication in the U.S.* 19th Symposium on Societal Applications, 104th AMS Annual Meeting, Baltimore, MD.
48. Llewellyn, L. E., **Trujillo-Falcón, J. E.**, Bozeman, M. L., and Fagin, T. D. (2024, January). *Using GIS to analyze New York's Limited English Proficiency communities and improve multilingual NWS operations.* Poster at the 23rd Annual Student Conference, 104th AMS Annual Meeting, Baltimore, MD.
49. Rodriguez, A. M., **Trujillo-Falcón, J. E.**, Reedy, J., and Gaviria Pabón, A. R. (2024, January). *Comparing severe weather communication, awareness, and response between non-Hispanic and Hispanic communities.* Poster at the 23rd Annual Student Conference, 104th AMS Annual Meeting, Baltimore, MD.
50. Llewellyn, L. E., **Trujillo-Falcón, J. E.**, Bozeman, M. L., and Fagin, T. D. (2024, January). *Diving into the linguistic melting pot: Using GIS to Identify Limited English Proficiency communities across NWS warning areas.* 2nd Symposium on the Future of Weather, Forecasting, and Practice, 104th AMS Annual Meeting, Baltimore, MD.
51. Bozeman, M. L., and **Coauthors.** (2024, January). *How the NWS is training Artificial Intelligence to address language accessibility gaps in weather information.* 2nd Symposium on the Future of Weather, Forecasting, and Practice, 104th AMS Annual Meeting, Baltimore, MD.
52. **Trujillo-Falcón, J. E.**, Sutton, J., Gaviria Pabón, A. R., Reedy, J. (2024, January). *Wireless Emergency Alerts in Spanish: Benefits and opportunities for improvement.* 2nd Symposium on the Future of Weather, Forecasting, and Practice, 104th AMS Annual Meeting, Baltimore, MD.
53. **Trujillo-Falcón, J. E.** (2024, June). *Public perceptions of Wireless Emergency Alerts in Spanish.* 7th Conference on Weather Warnings and Communication, Myrtle Beach, SC.
54. **Trujillo-Falcón, J. E. (2024, October).** *¿Tornados o Bombas? Examining cultural and linguistic barriers in Spanish-language severe weather warnings.* 31st Conference on Severe Local Storms, Virginia Beach, VA.
55. Dufort, J. A., Tobin, D., Reeves, H. D., Bonifer, K. M., **Trujillo-Falcón, J. E.**, DeWinter-Maciag, T., Berry, K., & Krocak, M. (2024, December). *An overview of the communication of winter road hazards among NWS Weather Forecast Offices.* NWS Weather Prediction Center Winter Weather Experiment Seminar Series, Virtual.
56. Caryl, Z. N., Droegemeier, K., **Trujillo-Falcón, J. E.** (2025, January). *From risk to resilience: Enhancing communication for floodplain communities along the Shunganunga Creek.* Poster at the 24th Annual Student Conference, 105th AMS Annual Meeting, New Orleans, LA.
57. Muñoz Suárez, E., **Trujillo-Falcón, J. E.**, Gaviria Pabón, A. R., Reedy, J., Callesano, S. (2025, January) *Exploring risk literacy in Spanish-speaking communities.* Poster at the 24th Annual Student Conference, 105th AMS Annual Meeting, New Orleans, LA.
58. Berry, K. L., Krocak, M., Obermeier, H., Rosen, Z., Tessitore, J., Hogg, D., Maciag, T., Sempier, T., Sharpe, J. E., **Trujillo-Falcón, J. E.**, Gaviria Pabón, A., & Lyza, A. (2025, January). *Coordinating physical and social science data collections for the 24 March 2023 Rolling Fork–Winona–Amory, MS tornado event.* 20th Symposium on Societal Applications, 105th AMS Annual Meeting, New Orleans, LA.
59. Sharpe, J. E., Sempier, T., Obermeier, H., Berry, K. L., Hogg, D., Maciag, T., **Trujillo-Falcón, J. E.**, Gaviria Pabón, A. R., & Krocak, M. (2025, January). *Perspectives of the public from the March*

- 24, 2023 *Rolling Fork, Mississippi tornado*. 20th Symposium on Societal Applications, 105th AMS Annual Meeting, New Orleans, LA.
60. Carstens, J. D., **Trujillo-Falcón, J. E.**, Alonso, V. L., Martucci, J., Grow Cei, E., & Wolff, E. C. (2025, January). *Digital meteorology in the classroom: Building a comprehensive course*. 13th Symposium on Building a Weather-Ready Nation, 105th AMS Annual Meeting, New Orleans, LA
61. Collins, N. E., **Trujillo-Falcón, J. E.**, Meeks, L., Hubbard, C. G., & Woods Placky, B. (2025, January). *The evolving roles of Spanish-speaking weathercasters in communicating climate change to Hispanic and Latino communities*. 38th Conference on Climate Variability and Change, 105th AMS Annual Meeting, New Orleans, LA.
62. Wolff, E. C., Goodnight, J., Blind-Doskocil, & **Trujillo-Falcón, J. E.** (2025, January). *Reflecting on a decade of formalized tornado emergencies*. 33rd Conference on Weather Analysis and Forecasting, 105th AMS Annual Meeting, New Orleans, LA.
63. Dufort, J. A., Tobin, D., Reeves, H. D., Bonifer, K. M., **Trujillo-Falcón, J. E.**, Maciag, T., Berry, K. L., Krocak, M. & Bartolini, W. M. (2025, January). *An overview on the communication of winter road hazards among NWS WFOs*. 13th Symposium on the Weather, Water, and Climate Enterprise, 105th AMS Annual Meeting, New Orleans, LA.
64. Corrales, A. L., **Trujillo-Falcón, J. E.**, Krocak, M., & Ripberger, J. T. (2025, January). *Understanding fuentes: Exploring information sources utilized by Spanish speakers in extreme weather events*. 20th Symposium on Societal Applications, 105th AMS Annual Meeting, New Orleans, LA.
65. Bonifer, K. M., **Trujillo-Falcón, J. E.**, Dufort, J. A., Tobin, D., & Reeves, H. D. (2025, January). *A deeper look at how stakeholders communicate winter road hazards*. 13th Symposium on the Weather, Water, and Climate Enterprise, 105th AMS Annual Meeting, New Orleans, LA.
66. **Trujillo-Falcón, J. E.** (2025, January). *The emergence and future of multilingual weather and climate communication*. 20th Symposium on Societal Applications, 105th AMS Annual Meeting, New Orleans, LA.
67. Caryl, Z. N., Droegemeier, K., **Trujillo-Falcón, J. E.** (2025, February). *From risk to resilience: Enhancing communication for floodplain communities along the Shunganunga Creek*. Poster at the School of Earth, Society, and Environment Research Review, Urbana, IL. (**Outstanding Science Communication Award and Outstanding Technical Poster Award**)
68. Corrales, A. L., **Trujillo-Falcón, J. E.**, Krocak, M., & Ripberger, J. T. (2025, February). *Understanding fuentes: Exploring information sources utilized by Spanish speakers during extreme weather events*. Poster at the School of Earth, Society, and the Environment Research Review, Urbana, IL. (**Outstanding Technical Poster Award**).
69. **Trujillo-Falcón, J. E.** (2025, February). *The ALERTAS Lab at UIUC*. Extreme Weather Social, Behavioral, and Economic Sciences Summit, National Oceanic and Atmospheric Administration, Shepherdstown, WV.
70. Caryl, Z. N., **Trujillo-Falcón, J. E.**, & Droegemeier, K. K. (2025, April). *From risk to resilience: Enhancing communication for floodplain communities along the Shunganunga Creek*. Invited talk at the ASPIRE Workshop, Institute of Behavioral Science, University of Colorado Boulder.
71. Caryl, Z. N., **Trujillo-Falcón, J. E.**, & Droegemeier, K. K. (2025, April). *Applying protection motivation theory to enhance risk communication and perception for floodplain communities along the Shunganunga Creek*. Undergraduate Research Symposium, University of Illinois Urbana-Champaign, Urbana, IL.

72. Halvorson, S. T., Llewellyn, L. E., & **Trujillo-Falcón, J. E.** (2025, May). *Spatial analysis of NWS FGF's Limited English Proficient population*. Invited talk at the NWS FGF office, Grand Forks, ND.
73. Gomes, R. D. O., **Trujillo-Falcón, J. E.**, Wolff, E. (2025, June). *Communicating weather in the digital landscape: A nationwide survey of meteorologists on source credibility and dissemination efficacy*. The Aspen Engaged Communication Scholarship Conference and Community, International Communication Association Pre-Conference, Denver, CO.
74. Gomes, R. D. O., **Trujillo-Falcón, J. E.**, Wolff, E. (2025, June). *A nationwide survey on digital meteorology practices*. 52nd AMS Conference on Broadcast and Digital Meteorology, Boise, ID.
75. Bonifer, K., **Trujillo-Falcón, J. E.**, Reeves, H. D., Tobin, D., & Dufort, J. A. (2025, November). *Enhancing winter weather communication stakeholder coordination using systems theory*. Group Communication Division, 111th Annual Convention, National Communication Association, Denver, CO
76. **Trujillo-Falcón, J. E.**, Bozeman, M., Llewellyn, L., Halvorson, S., Mizell, M., Deshpande, S., Manning, B., & Fagin, T. (2025, December). *How the National Weather Service is training AI to reach multilingual populations during extreme weather disasters*. AGU Fall Meeting, New Orleans, LA.
77. Dufort, J. A., Tobin, D., Reeves, H. D., Bonifer, K. M., **Trujillo-Falcón, J. E.**, Maciag, T., Berry, K. L., & Krocak, M. (2026, January). *Insights from discussions of the collaborative efforts between the NWS and their stakeholders*. 3rd Symposium on the Future of Weather, Forecasting, and Practice, 106th AMS Annual Meeting, Houston, TX.
78. Nasution, A., **Trujillo-Falcón, J. E.**, & Jewett, B. (2026, January). Understanding community perspectives to improve flood warnings in Jakarta: A protection motivation theory approach. Poster at the 25th Annual Student Conference, 106th AMS Annual Meeting, Houston, TX.
79. Ruiz, M., Ash, K. D., **Trujillo-Falcón, J. E.**, Pérez Figueroa, O., Corrales, A. L., & Callesano, S. (2026, January). *Rapidly intensifying hurricanes and Spanish-speaking communities: Examining risk perception and communication challenges*. 21st Symposium on Societal Applications, 106th AMS Annual Meeting, Houston, TX.
80. Salamon, R., **Trujillo-Falcón, J. E.**, Ripberger, J. T., Thomas, A. S., Martinez, M., & Méndez, M. (2026, January). *Examining language disparities among English and Spanish speakers in wildfire smoke events*. 2nd Conference on Fire Weather, Technology, and Risk, 106th AMS Annual Meeting, Houston, TX.
81. Gaviria Pabón, A. R., De Jesús Otero, E., **Trujillo-Falcón, J. E.**, Ripberger, J. T., & Callesano, S. (2026, January). *De la traducción a la acción: Examining Spanish speakers' warning response to AI and human National Weather Service products*. 25th Conference on Artificial Intelligence for Environmental Science, 106th AMS Annual Meeting, Houston, TX.
82. Halvorson, S. T., Callesano, S., **Trujillo-Falcón, J. E.**, & Gaviria Pabón, A. R. (2026, January). *Reconsidering limited English proficiency in assessing human and machine translations of extreme weather warnings*. 21st Symposium on Societal Applications, 106th AMS Annual Meeting, Houston, TX.
83. Bonifer, K. M., **Trujillo-Falcón, J. E.**, Wanless, A. C., Bitterman, A. L., & Nesbitt, S. W. (2026, January). *Comparing risk perceptions of weather hazards between emergency managers and the public: Evidence from a nationwide survey*. 1st Annual Disaster and Emergency Management Symposium, 106th AMS Annual Meeting, Houston, TX.

84. Nasution, A., Jewett, B., & **Trujillo-Falcón, J. E.** (2026, January). *Developing a prototype flood warning product for Jakarta using WRF-Hydro and risk communication frameworks*. Poster at the 40th Conference on Hydrology, 106th AMS Annual Meeting, Houston, TX.
85. Corrales, A. L., Wang, Z., Carstens, J., & **Trujillo-Falcón, J. E.** (2026, January). *Can you stand the rain? Analyzing predecessor rain events and their climatology*. Poster at the 1st Symposium on Tropical Meteorology and Climate, 106th AMS Annual Meeting, Houston, TX.
86. De Jesús Otero, E., **Trujillo-Falcón, J. E.**, Gaviria Pabón, A. R., Muñoz Suárez, E., Corrales, A. L., Halvorson, S. T., & Callesano, S. (2026, January). *Unequal employment protections put multilingual workers at risk during extreme weather events*. 21st Symposium on Societal Applications, 106th AMS Annual Meeting, Houston, TX.
87. Caryl, Z. N., **Trujillo-Falcón, J. E.**, Wilson, A. M., & Bitterman, A. L. (2026, January). *Public understanding and protective action thresholds on the atmospheric river scale*. 40th Conference on Hydrology, 106th AMS Annual Meeting, Houston, TX.
88. **Trujillo-Falcón, J. E.**, Caryl, Z. N., Wilson, A., & Bitterman, A. L. (2026, January). *Atmospheric rivers in the public mind: Awareness, hazard associations, and misconceptions*. 40th Conference on Hydrology, 106th AMS Annual Meeting, Houston, TX.

K. Book Reviews

Not applicable at this time.

L. Refereed Conference Papers and Presentations

5 overall; 3 recognized with national awards

1. Hurst, E. H., **Trujillo, J. E.**, & Reedy, J. (2020, November). *Citizen deliberation at South Carolina's Our Coastal Future Forum: Talking through risk related to climate change*. 106th National Communication Association Annual Convention, Indianapolis, IN.
2. **Trujillo-Falcón, J. E.** (2022, November). Expanding beyond ethnicity: Best practices for surveying U.S. Hispanic and Latinx Communities in Disaster Contexts. 108th National Communication Association Annual Convention, New Orleans, LA.
3. **Trujillo-Falcón, J. E.**, Reedy, J., Gaviria Pabón, A. R., & Klockow-McClain, K. E. (2023, November). Systemic vulnerabilities in Hispanic and Latinx immigrant communities led to the reliance of an informal warning communication system in the December 10-11, 2021 tornado outbreak. 109th National Communication Association Annual Meeting, National Harbor, MD. **(Top Paper Panel)**
4. Caryl, Z., **Trujillo-Falcón, J. E.**, Droegemeier, K. K. (2025, November). Applying protection motivation theory to enhance risk communication for floodplain communities along the Shunganunga Creek. Applied Communication Division, 111th Annual Convention, National Communication Association, Denver, CO. **(Top Student Paper Panel)**
5. **Trujillo-Falcón, J. E.** (2025, November). Advancing multilingual mobile emergency alerts using the warning response model. Applied Communication Division, 111th Annual Convention, National Communication Association, Denver, CO. **(Top Faculty Paper Panel)**

M. Other

Not applicable at this time.

III. Contributions to Teaching and Learning

A. Summary of Teaching Activity

1. Descriptive Data

* Denotes a cross-listed course (multi-department offering)

+ Denotes a slash-listed course (undergraduate/graduate combined offering)

Term	Course	Name	IUs	Students	Hours
FA25	ATMS 491*+	Extreme Weather Comm Fieldwork	51	14	3 or 4
	CMN 496*+		17.9	6	3 or 4
FA26	TBD	Communicating Disasters	TBD	TBD	TBD

Description of Courses

- **ATMS 491/CMN 496*+:** **Extreme Weather Communication Fieldwork** is an in-person course offered jointly by the Department of Climate, Meteorology & Atmospheric Sciences and Department of Communication at UIUC. The course, led by Prof. Trujillo-Falcón, is taught face to face through lecture and applied, community-based projects. The course serves as an applied methods course that integrates physical and social sciences by training students to design and conduct qualitative field research on weather and climate hazards, including ethical human-subjects research and community engagement.
- **ATMS 291/CMN 396:** **Communicating Disasters*+** is an in-person undergraduate course offered jointly by the Department of Climate, Meteorology, & Atmospheric Sciences and Department of Communication at UIUC. The course is taught face to face by Prof. Joseph E. Trujillo-Falcón and introduces students to core principles of risk and crisis communication across a range of environmental disasters, including atmospheric, climatic, and geologic events. The course provides foundational training in how scientific information is communicated to the public, serving as an entry-level offering that prepares students for advanced coursework and applied engagement in disaster and risk communication.

2. Supervision of Graduate Students

Ph.D. Student

2025– **Elisabet De Jesús-Otero**, Ph.D. in Atmospheric Sciences Student, Department of present Climate, Meteorology, and Atmospheric Sciences (CliMAS), University of Illinois

M.S./M.A. Students

2024– **Kaylie M. Bonifer**, M.S. in Atmospheric Sciences student, CliMAS, University of present Illinois, “How Transportation Stakeholders Synthesize NWS guidance during Winter Weather,” Will continue to Ph.D. in our department

2024– **Anthony L. Corrales**, M.S. in Atmospheric Sciences student, CliMAS, University of present Illinois, “Examining the Physical and Social Impacts of Predecessor Rain Events”

2025– **Zoe N. Caryl**, M.A. in Communication, Department of Communication (CMN), present University of Illinois

2025– **Jack A. Shumaker**, M.S. in Atmospheric Sciences, CliMAS, University of Illinois
present

Graduate Committees

2024– **Alia Nasution**, M.S. in Atmospheric Sciences, Department of Climate, Meteorology,
present and Atmospheric Sciences, University of Illinois

2024– **Renata De Oliveira Miranda Gomes**, Ph.D. in Communication, CMN, University of
present Illinois

2025– **Camden Arnold**, Ph.D. in Regional Planning, Department of Urban & Regional
present Planning, University of Illinois

Research Assistants (Non-committee)

2024– **América Gaviria Pabón**, Graduate Research Assistant, Department of Geography
present and Environmental Sustainability, University of Oklahoma

2024– **Eduardo Muñoz Suárez**, Graduate Research Assistant, CMN, University of
2025 Oklahoma, now a Ph.D. student at the University of Kansas

3. Supervision of Undergraduate Students

* Denotes J. Trujillo-Falcón supervised the student’s capstone project

% Denotes J. Trujillo-Falcón supervised the student’s research in a credit-hour class

+ Denotes J. Trujillo-Falcón supervised the student as a paid undergraduate research assistant

2021– **Juliana Mejia***, Senior Capstone Mentor, School of Meteorology, University of
2022 Oklahoma

2021– **Matthew Miller***, Senior Capstone Mentor, School of Meteorology, University of
2022 Oklahoma

2021– **David Gonzalez***, Senior Capstone Mentor, School of Meteorology, University of
2022 Oklahoma

2021– **Eliezer Kraiman***, Senior Thesis Mentor, Department of Atmospheric and Oceanic
2022 Science, University of Maryland

2022– **Vanessa Dunham+**, Undergraduate Research Assistant, Cooperative Institute for
2023 Severe and High-Impact Weather Research and Operations

2023– **Alexis Rodríguez+**, NWC Research Experience for Undergraduates, Mentee,
2024 Western Kentucky University

2024– **Nicole Collins***, Senior Capstone Mentor, Department of Earth and Atmospheric
2025 Sciences, Cornell University

2024– **Zoe Caryl***, Senior Capstone Mentor, Department of Climate, Meteorology, and
2025 Atmospheric Sciences, University of Illinois

2024– **Ryan Salamon*+**, Undergraduate Research Assistant, Department of Climate,
present Meteorology, and Atmospheric Sciences, University of Illinois

2024– **Sam Halvorson*+**, Honors Thesis and Undergraduate Research Mentor,
present Department of Atmospheric Sciences, University of North Dakota

2025– **Juliana Wittrock%**, Undergraduate Research Assistant, Department of Climate,
present Meteorology, and Atmospheric Sciences, University of Illinois

2026– **Brady Nickols**%, Undergraduate Research Assistant, Department of Climate, present Meteorology, and Atmospheric Sciences, University of Illinois

4. Other Contributions to Teaching and Learning

a. Curriculum research and development

1. Developed ATMS 491/CMN 496 as a new cross-listed, slash-listed interdisciplinary course integrating atmospheric science, risk communication, and qualitative field research, including the full curriculum, learning objectives, assignments, and assessment structure. The course provides hands-on training in human-subjects research and hazard communication, preparing students for advanced research, professional practice, and community engagement in weather/ climate risk, 2024-2025
2. Creating ATMS 291/CMN 396 as a new cross-listed undergraduate course designed for general education audiences, introducing foundational principles of risk communication across environmental disasters, including atmospheric, climatic, and geologic events. The course expands access to weather and climate communication literacy for non-majors and fills a curricular need by connecting scientific hazards to societal decision-making, equity, and public safety, 2026-present

b. Educational Service

Provided **19** invited guest lectures across 10 institutions, spanning atmospheric science, geography, communication, health, urban planning, and political science departments

1. Invited lecture, PHCH 3113: Introduction to Epidemiology, University of Oklahoma. Topic: Intersection of bilingual disaster and health communication, 2021
2. Invited lecture, PHCH 4013: Community Health Capstone, University of Oklahoma. Topic: Conducting research in interdisciplinary settings, 2021
3. Invited lecture, CEMH 596: Risk Communication, SUNY Albany. Topic: Bilingual risk and crisis communication, 2022
4. Invited lecture, GEOG 331: Natural Hazards, University of Tennessee, Knoxville. Topic: Risk communication during the December 10–11, 2021 tornado outbreak, 2022
5. Invited lecture, COMM 200: Communication Theory, George Mason University. Topic: Applications of theory in disaster communication, 2023
6. Invited lecture, GEOG 4943: Natural Hazards, University of Oklahoma. Topic: Weather warning research and multilingualism, 2023 & 2024
7. Invited lecture, DEMS 5030: Social and Behavioral Dimensions of Disaster, York University. Topic: Immigrant vulnerability in tornado contexts, 2023 & 2024
8. Invited lecture, METR 1003: Introduction to Atmospheric Sciences, University of Oklahoma. Topic: Intersection of meteorology and social science, 2024
9. Invited lecture, EADP 1010: Exploring Disasters, University of North Texas. Topic: Multilingual risk communication, 2024
10. Invited lecture, ATMS 371: Professional Development, University of Illinois. Topic: Introduction to social science for atmospheric scientists, 2024
11. Invited lecture, ATMS 380: Introduction to Broadcast Meteorology, University of Illinois. Topic: Broadcast meteorology research, 2024

12. Invited lecture, CMN 595: Introduction to Communication Graduate Study, University of Illinois. Topic: Producing effective research questions, 2024
13. Invited lecture, NRS 442: Environmental Crisis Communication, University of Rhode Island. Topic: Multilingual risk communication, 2024
14. Invited lecture, METR 4753/5753: Forecast and Warning Communication, University of Oklahoma. Topic: Intersection of small-group and risk communication, 2025
15. Invited lecture, ATMS 491: Climate Resilience, University of Illinois. Topic: Climate resilience in multilingual communities, 2025
16. Invited lecture, PS 441: Politics of Climate Change in Developing States, University of Illinois. Topic: Advocating for undocumented and multilingual groups in disasters, 2025
17. Invited lecture, UP 438: Disasters and Urban Planning, University of Illinois. Topic: Considering vulnerability in planning, 2025
18. Invited lecture, ATMS 571: Professional Development, University of Illinois. Topic: Branding and science communication on social media, 2025
19. Invited lecture, ATSC 3135: Hidden Figures in the Atmospheric Sciences, University of Georgia. Topic: Overview of multilingual research in atmospheric sciences, 2025

c. Personal Development

Not applicable at this time.

d. Informal student mentoring and support

Provided career advice through an invited talk at the University of Oklahoma Student Chapter of the AMS and NWAs (student club), Norman OK, 2023

e. Other

Not applicable at this time.

IV. Service (Public, Professional/Disciplinary, and University)

A. Summary of Service

1. Public Engagement, Outreach, and/or Extension

Public Engagement

Served as a bilingual on-air meteorologist for the Spanish-speaking community in the Brazos Valley, providing forecasts to the local area, 2017–2019.

Invited speaker at the AMS Route 66 Local Chapter, AMS, Tulsa, OK, 2022

Invited speaker at the Los Angeles Center for Urban Natural Resources Sustainability, Los Angeles, CA, 2022

Invited speaker at the NWS Norman Weather Forecast Office Integrated Warning Team Workshop, Oklahoma City, OK, 2023

Invited speaker at the North Texas Local Chapter of the AMS and NWAs, Fort Worth, TX, 2023

Serves as a bilingual meteorologist for the Spanish-speaking community in the Champaign–Urbana, Illinois region, providing lifesaving risk communication ([2,500+ followers on Facebook](#)), 2024–present

Outreach and Extension

Featured in **50** notable publications in English and Spanish that includes *Rolling Stone*, *AP*, *BBC*, *Forbes*, *PBS*, *The Washington Post*, *NBC*, *Telemundo*, *Accuweather*, and *The Weather Channel*.

1. Featured in [“Aggie’s Weather Radio Show Helped Local Community Be Weather-Aware.”](#) *Texas A&M Today*. May 16, 2019.
2. Featured in [“WeatherBrains Episode 706.”](#) *WeatherBrains: The Official Netcast for People Who Love Weather*. July 30, 2019.
3. Featured in [“I Don’t Have Google Whoever.”](#) *WeatherBrains: The Official Netcast for People Who Love Weather*. December 23, 2019.
4. Featured in [“Joseph Trujillo, Hispanic Weather Risk Communication Researcher.”](#) *Early Career Climate Network Podcast*. September 29, 2020.
5. Featured in [“NWS Working on Building a Weather-Ready Nation and Spanish Initiative.”](#) *The Fence Post*. October 2, 2020.
6. Featured in [“Latinx AMS Committee Pushing for Diversity in Meteorology.”](#) *AccuWeather*. October 7, 2020.
7. Featured in [“Translation Please: Improving Spanish Weather Forecasts.”](#) *Spectrum News*. October 18, 2020.
8. Featured in [“¡Alerta! Variations in Spanish dialects complicate emergency messaging.”](#) *The Washington Post*. July 24, 2021.
9. Featured in [“Beyond the translation: How do you convey the gravity of ‘tornado warning’ in Spanish?”](#) *AccuWeather*. September 30, 2021.
10. Featured in [“Meteorólogo ‘Dreamer’ se destaca como líder en la comunidad científica.”](#) *Telemundo Washington D.C.* October 6, 2021.
11. Featured in [“Language-inclusive weather information saves lives.”](#) *Currently: A Weather Service*. May 9, 2022.
12. Featured in [“When Dangerous Weather Approaches, The Spanish Translation Problem Looms.”](#) *Forbes*. May 13, 2022.
13. Featured in [“The Research Behind the Categories: Beyond the Language Barrier.”](#) *MyRadar News*. May 16, 2022.
14. Featured in [“El Tiempo FOX26 Con Lena Maria: Edición Especial.”](#) *FOX 26 Houston*. May 20, 2022.
15. Featured on-air on story about the process of [“operationalizing SPC risk categories in Spanish”](#) *The Weather Channel En Español*. June 2, 2022.
16. Featured in [“Bridging the Language Gap for Weather Alerts.”](#) *The Weather Channel*. June 26, 2022.
17. Featured in [“CIWRO Research Leads to Improved Storm Forecasts for Spanish Speakers.”](#) *The University of Oklahoma*. June 29, 2022.
18. Featured in [“New research backs improved translations of weather forecasts for U.S. Spanish speakers.”](#) *NOAA HQ Public Relations*. September 22, 2022.

19. Featured in [“Is Colorado using the right weather words when it’s time for an “alerta”?”](#) *The Colorado Sun*. October 4, 2022.
20. Featured in [“Conozca a Joseph Trujillo, el meteorólogo latino que traduce alertas al español y apuesta al bilingüismo para salvar vidas.”](#) *Telemundo National News*, October 8, 2022.
21. Featured in [“This Latino meteorologist helped spur Spanish-language changes to weather alerts. Studies show it can save lives.”](#) *NBC National News*, October 14, 2022.
22. Featured in [“Translating Weather Alerts from English to Spanish is Complex and Important.”](#) *The Press of Atlantic City*. October 10, 2022.
23. Featured in [“National Weather Service revises Spanish terms for severe storms.”](#) *Yale Climate Connections*. November 14, 2022.
24. Featured in [“Un investigador ayuda a los hispanohablantes de EE.UU. a comprender mejor los avisos meteorológicos que salvan vidas.”](#) *Yale Climate Connections*. December 20, 2022.
25. Featured in [“Hurricane Ian wrecked southwest Florida. Why weren’t there more warnings in Spanish?”](#) *Scienceline*. February 20, 2023.
26. Featured in [“An Oklahoma researcher is improving Spanish-language weather alerts across the country.”](#) *Tulsa World*. March 29, 2023.
27. Featured in [“The US leads the world in weather catastrophes. Here’s why.”](#) *Associated Press*. April 2, 2023.
28. Featured in [“AP Explica: EE.UU. lidera al mundo en catástrofes climáticas.”](#) *Associated Press En Español*. April 2, 2023.
29. Featured in [“The importance of providing bilingual weather alerts when severe storms approach.”](#) *Accuweather*. April 24, 2023.
30. Featured in [“Understanding severe weather risks.”](#) WSMV-TV, NBC Affiliate. April 1, 2024.
31. Featured in [“El susto de su vida: Rayo cae frente a negocio en la calle Richmond.”](#) *Telemundo Houston*. May 13, 2024.
32. Featured in [“When the storm came, alerts came only in English. This team is trying to change that.”](#) *PBS NewsHour*. June 12, 2024.
33. Featured in [“Florida lacks language laws for disaster communications, leaving counties, residents on their own.”](#) *WUFT (PBS/NPR)*. September 24, 2024.
34. Featured in [“Florida carece de leyes para las comunicaciones de desastre multilingües, dejando a los condados y a los residentes a valerse por sí mismo.”](#) *WUFT (PBS/NPR)*. September 25, 2024.
35. Featured in [“We’re meteorologists. Here’s the deadliest mistake people make before a hurricane.”](#) *HuffPost*. October 8, 2024.
36. Featured in [“Inside the unregulated, patchwork world of emergency alerts.”](#) *Rolling Stone*. October 9, 2024
37. Featured in [“La temporada de huracanes continúa”: meteorólogo advierte sobre la posibilidad de nuevos fenómenos climáticos tras el paso de Milton en Florida.”](#) *NTN24 Colombia*. October 10, 2024.
38. Featured in [“Undocumented people are among the most vulnerable to climate-fueled disasters.”](#) *NPR*, December 23, 2024.
39. Featured in [“National Weather Service pauses severe weather alerts in Spanish and other languages.”](#) *PBS National News*, April 4, 2025.

40. Featured in "[National Weather Service no longer translating products for non-English speakers.](#)" *Associated Press*, April 7, 2025.
41. Featured in "[National Weather Service halts automated translation for alerts.](#)" *The Washington Post*, April 8, 2025.
42. Featured in "[‘Life or death situation’: UI researcher reacts to NWS pause in forecast translations.](#)" *WCIA-TV (CBS)*, April 9, 2025.
43. Featured in "[NWS no longer translating watches and warnings for non-English speakers.](#)" *WCCB Charlotte (CW)*, April 9, 2025.
44. Featured in "[Adiós a las traducciones a otros idiomas sobre las alertas meteorológicas, sólo serán en inglés.](#)" *Telemundo Nashville*, April 9, 2025.
45. Featured in "[What a pause in weather translation services means for non-English speakers.](#)" *NPR Here & Now*, April 10, 2025.
46. Featured in "[Millions of Americans don't speak English. Now they won't be warned before weather disasters.](#)" *Grist*, April 14, 2025.
47. Featured in "[Knowing the difference between these 3 types of emergency alerts could save your life.](#)" *Huffington Post*, July 18, 2025.
48. Featured in "[The flood warnings that save lives.](#)" *BBC*, August 7, 2025
49. Featured in "[Interview with Dr. Joseph Trujillo-Falcón.](#)" *WPSU*, October 9, 2025.
50. Featured in "[Spanish is complex. This man simplifies it for weather hazards.](#)" *New Jersey Coastal Coalition*, December 23, 2025.

2. Service to Professional and/or Disciplinary Societies or Associations

Chair, AMS Committee for Hispanic and Latinx Advancement, leading a national cohort of 66 scientists across academia, media, public, private, and student sectors, 2019–present

Board Member, AMS Board on Representation, Accessibility, Inclusivity, and Diversity, one of 20 voting members shaping Society-wide equity and inclusion strategy, 2020–present

Member, CIWRO Diversity and Inclusion Committee, 2020–2022

Award Committee Member, AMS June Bacon-Bercey Award for Broadcast Meteorology, 2020

Award Committee Member, AMS Award for Distinguished Science Journalism in the Atmospheric and Related Sciences, 2020–2021

Session Co-Chair, *Translating Weather into the Spanish Language*, joint session at the AMS 8th Symposium on the Weather, Water, and Climate Enterprise, 8th Symposium on Building a Weather-Ready Nation, and 48th Conference on Broadcast Meteorology, 2020

Student Board Member, AMS Board on Broadcast Meteorology, elected to represent the Spanish-language broadcast enterprise, 2020–2021

Session Chair, *Comunicación Bilingüe: Spanish Language Efforts in the Weather, Water, and Climate Enterprise*, 9th Symposium on the Weather, Water, and Climate Enterprise, 101st AMS Annual Meeting, 2021

Session Co-Chair, *Questioning Our Colorful Language: Ongoing Efforts in Social and Behavioral Science Research to Revamp the SPC Risk Category System*, 16th Symposium on Societal Applications, 101st AMS Annual Meeting, 2021

Student Board Member, AMS Overall Planning Committee for the 103rd Annual Meeting, appointed by the AMS President to lead student engagement initiatives, 2021–2023

Session Co-Chair, *Inclusive and Accessible Science: Engaging with Diverse and Underrepresented Communities*, 3rd Symposium on Diversity, Equity, and Inclusion, 102nd AMS Annual Meeting, 2022

Member, AMS Equity Assessment Task Force, appointed by the AMS President to advise on Society-wide equity initiatives, 2023–2025

Member, National Weather Service Rapid Case Studies Technical Working Group, appointed by the NWS Director of the Social, Behavioral, and Economic Sciences Program, 2024–2025

Session Chair, *Artificial Intelligence and High-Resolution Forecasting for Societal Resilience*, American Geophysical Union Annual Meeting, 2025

Journals, publishers, or federal agencies serving as a reviewer for papers or proposals

Bulletin of the American Meteorological Society

International Journal of Disaster Risk Reduction

National Oceanic and Atmospheric Administration

National Science Foundation

Natural Hazards Review

Weather, Climate, and Society

3. University and/or Campus Service

Member, CGSA Social Committee, University of Oklahoma, 2019–2020

Co-Chair, CGSA Spring Panel Committee, University of Oklahoma, 2019–2020

Member, Latinx Graduate Student Association, University of Oklahoma, 2019–2021

Chair, Communication Graduate Student Association Diversity, Equity, and Inclusion Committee, Department of Communication, University of Oklahoma, 2020–2022

Search Committee Member, Risk and Health Communication Tenure-Track Professor, Department of Communication, University of Oklahoma, 2021–2022

Pre-Conference Organizer, Organizational Communication Mini Conference, Department of Communication, University of Illinois Urbana-Champaign, 2025

Committee Member, LAS Engaged Department Program, College of Liberal Arts and Sciences, University of Illinois Urbana-Champaign, 2025–present

Undergraduate Affairs and Scholarship Committee, Department of Climate, Meteorology and Atmospheric Sciences, University of Illinois Urbana-Champaign, 2025–present

Faculty Senate Representative, Department of Climate, Meteorology and Atmospheric Sciences, University of Illinois Urbana-Champaign, 2026–present

Member, Graduate College Fellowship Board, Graduate College, University of Illinois Urbana-Champaign, 2026–present

4. Other Service

Wrote 21 letters of recommendation for undergraduate and graduate students pursuing fellowships, graduate programs, academic positions, and applied careers, including many students outside my formal advising relationships

Offered informal mentoring to bilingual broadcast meteorologists on Spanish-language terminology and risk communication practices to communicating weather and climate hazards

Mentored early-career scholars on developing interdisciplinary research agendas at the intersection of weather, climate, and communication, including guidance on framing, funding opportunities, and collaborative partnerships

Supported graduate students beyond formal advising roles by assisting with application materials, mock interviews, and career preparation for academic, policy, and applied positions

Supported recruitment, retention, and professional development of underserved scholars by serving as an informal point of contact for advising, advocacy, and community support