

Amber Silver

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Amber Silver
05/17/2024

EDUCATION

- 2017 **Ph.D.**, Department of Geography & Environmental Management
University of Waterloo, Waterloo, Ontario.
Dissertation: Public Attention to Environmental Hazards. (Dissertation
Mentor: Jean Andrey, PhD).
- 2012 **MES.**, Department of Geography & Environmental Management
University of Waterloo, Waterloo, Ontario.
Thesis: Factors Influencing Individuals' Decision-Making During High-
Risk Short-Notice Disasters. (Thesis Mentor: Jean Andrey, PhD).
- 2010 **B.Sc.** (Summa Cum Laude, Honors Geography), Department of
Geography. Saint Mary's University, Halifax, Nova Scotia.
Thesis: The influence of vegetation on sedimentary processes within a
macro-tidal salt marsh. (Thesis Mentor: Danika van Proosdij, PhD).

EDUCATIONAL EMPLOYMENT

- 2018 - Assistant Professor, Department of Emergency Management and
Homeland Security, University at Albany, State University of New York.
- 2017 Lecturer, College of Emergency Preparedness, Homeland Security and
Cybersecurity, University at Albany, State University of New York
- 2011-2016 Sessional Instructor, Department of Geography & Environmental
Management, University of Waterloo. Waterloo, Ontario, Canada.
- 2010- 2015 Teaching Assistant, Department of Geography & Environmental
Management, University of Waterloo. Waterloo, Ontario, Canada.
- 2010-2012 Research Assistant, Department of Geography & Environmental
Management, University of Waterloo. Waterloo, Ontario, Canada.
- 2010 Cartographer and Lab Technician, Department of Geography, Saint
Mary's University. Halifax, Nova Scotia, Canada.

2007-2010 Research Technician and Teaching Assistant, Department of Geography, Saint Mary's University. Halifax, Nova Scotia, Canada.

RESEARCH AND SCHOLARSHIP

PUBLICATIONS

Peer Reviewed Articles (* indicates a student or post-doc co-author)

- 17 **Silver A.**, Koratty, N. Penta S., and Clay L. (2024). The influence of environmental cues on protective behaviors: an assessment of the Protective Action Decision Model in the context of COVID-19. *Risk, Hazards, & Crisis in Public Policy*. <https://doi.org/10.1002/rhc3.12305>
- 16 **Silver A.**, Morgan C., and Morrison, D. (2024). Reconceptualizing Virtual Operations Support Teams (VOSTs) as an experiential learning tool for emergency management education. *Risks, Hazards, & Crisis in Public Policy* e-view: 1-23. <https://doi.org/10.1002/rhc3.12292>.
- 15 **Silver A.** and Behlendorf B. (2023). Understanding your audience: The influence of social media user-type on informational behaviors and hazard adjustments during Hurricane Dorian. *Meteorological Applications* 30 (5): e2148.
- 14 **Silver A.** and Jackson S. (2023). Public attention during Hurricanes Florence and Michael. *Weather, Climate, and Society* 15 (2): 425-435.
- 13 Koyratty N., Clay L., Penta S., and **Silver A.** (2023). Food insecurity and COVID-19 food-related perceptions, practices, and problems: A three-state descriptive study. *Disaster Medicine and Public Health Preparedness* 17: E288.
- 12 **Silver A.**, Finnis J, Behlendorf B., and Reid-Musson*, E. (2022). End-user satisfaction with Hurricane Dorian information in Atlantic Canada. *Meteorological Applications* 29 (3): e2078.
- 11 Larter* P., Grek-Martin J., and **Silver A.** (2019). Does time heal all wounds? Restoring place attachment in Halifax's Point Pleasant Park after Hurricane Juan. *The Canadian Geographer* 63: 494-506.
- 10 **Silver A.** and Andrey J. (2019). Public attention to extreme weather as reflected by social media activity. *Journal of Contingencies and Crisis Management* 27: 346-358.
- 9 **Silver A.** (2019). Public attention to risks, hazards, and disasters: a retrospective literature review and proposed conceptual model. *Risk, Hazards, & Crisis in Public Policy* 10: 294-310.

- 8 Penta S., Phillips S., **Silver A.**, and Barrett E. (2019). Beyond internships: Experiential learning as a tool for emergency management education. *International Journal of Mass Emergencies and Disasters* 37: 35-43.
- 7 **Silver A.** and Matthews* L. (2017). The use of Facebook for information seeking, decision support, and self-organization following a significant disaster. *Information, Communication, and Society* 20 (11): 1680-1697.
- 6 Harrison S.*, **Silver A.**, and Doberstein B. (2015). Post-storm damage surveys of tornado hazards in Canada: Implications for mitigation and policy. *International Journal of Disaster Risk Reduction* 13: 427-440.
- 5 **Silver A.** and Grek-Martin J. (2015). “Now we understand what community really means”: Reconceptualising the role of sense of place in the disaster recovery process. *The Journal of Environmental Psychology* 42: 32-41.
- 4 **Silver A.** (2014). Watch or warning? Perceptions, preferences, and usage of forecast information by members of the Canadian public. *Meteorological Applications* 22 (2): 248-255.
- 3 **Silver A.** and Andrey J. (2014). The influence of previous disaster experience and socio-demographics on protective behaviors during two successive tornado events. *Weather, Climate, and Society* 6 (1): 91-103.
- 2 Andrey J., Joakim* E., Schooner V., Hambly* D., **Silver A.**, Jayasundera R., and Nelson A. (2012). Academic entitlement in the context of learning styles. *Canadian Journal of Education* 35 (4): 3-30.
- 1 **Silver A.** and Conrad C. (2010). Public perception of and response to severe weather warnings in Nova Scotia, Canada. *Meteorological Applications* 17 (2): 173-179.

Book Chapters

- 2 **Silver A.** (2019). Chapter 15: The use of social media in crisis communication. In Kar B. and Cochran D. (eds.) *Understanding the Roles of Risk Communication in Community Resilience Building*. Routledge: New York. (Editor reviewed)
- 1 Robbins J.C., C. Cunningham, R. Dankers, M. DeGennaro, G. Dolif, R. Duell, V. Marchezini, B. Mills, J.P. Sarmiento, **A. Silver**, R. Trajber, and A. Watkins. (2018). Chapter 19: Communication and dissemination of forecasts and engaging user communities, In: A.W. Robertson and F. Vitart (eds.), *The Gap Between Weather and Climate Forecasting: Sub-seasonal to Seasonal Prediction*. Elsevier, London. (Editor reviewed).

Book Reviews

- 1 **Silver A.** (2023). Review of *Superstorm 1950: The Greatest Simultaneous Blizzard, Ice Storm, Windstorm, and Cold Outbreak of the Twentieth Century* by David Call. *International Journal of Mass Emergencies and Disasters* e-view: 1-2 (Editor reviewed).

Research Under Review

- 2 Penta, S., Koyratty, N., Clay, L., and **Silver, A.** (Revise and Resubmit). Health or economics: unpacking concern type and severity in the COVID-19 pandemic. *Risk, Hazards, Crisis & Public Policy*.
- 1 Cockerill R.*, Horney J, Clay C, Penta S, and **Silver A.** (Under Review). Factors that reduce likelihood of vaccination or intent to receive vaccine for COVID-19 across three U.S. States. *Vaccine*.

Research in Progress

- 6 Marven C., **Silver A.**, Finnis J., and Pelot R. (Writing). Understanding risk perception and decision-making in the context of coastal and ocean risks: a literature review.
- 5 **Silver A.**, Morgan C., and Morrison, D. (Data collection). Exploring the benefits of an academic model of Virtual Operations Support Teams (VOSTs) for undergraduate students.
- 4 Nayak, S.S., Koyratty, N., **Silver, A.**, Penta, S., and Clay, L. (Writing). Psychological distress and pandemic-related social assistance: patterns of utilization and opportunities for intervention.
- 3 **Silver, A.** and Behlendorf, B. (Data analysis). Exploring the interplay between affective response, information seeking and sharing behaviors, and protective action decision-making during “historic” Hurricane Fiona.
- 2 **Silver, A.**, Cohen*, N., and Behlendorf, B. (Writing). Exploring the interplay between risk perception, anxiety, and self-efficacy during a “once-in-a-lifetime” storm
- 1 Spinney, J., **Silver, A.**, Behlendorf, B., and Finnis, J. (Data analysis). Barriers and constraints for effective hazard adjustment among vulnerable groups during Hurricane Fiona.

OTHER SCHOLARLY ACTIVITY

Technical Reports and White Papers

- 7 Fan JY, Goodman AJ, Thistlethwaite J, Cottar S, Minano A, Devred E, Knudby A, **Silver A**, Finnis J, Reynolds RR, Marven C, Pugh A, Smith HG, Pelot R, Mathieson M, Costa M, Menafrá R. (2023). How marine-focused Communities of Practice are using science communication, public engagement, and knowledge sharing strategies to inform scientific decision-making. A report prepared for the Canadian Marine Environmental Observation, Prediction and Response Network (MEOPAR) Center of Excellence. 23 pp.
- 6 Clay L., Penta S., and **Silver A.** (2020) "Risk Perception, Information Seeking, and Protective Actions during COVID-19 among New Yorkers (May-July 2020)", in A Multi-Wave Study of Risk Perception, Information Seeking, and Protective Action in COVID-19. DesignSafe-CI. <https://doi.org/10.17603/ds2-7019-cs31>.
- 5 Lawson C.T., **Silver A.**, and Nussbaum, B. (2020). MitigateNY: A case study of state hazard mitigation planning. A report prepared for the Department of Homeland Security and Emergency Services (DHSES) of New York State. 36 pp.
- 4 **Silver A.** and Peddle, S. (2018). Voices of Flooding in Windsor, Ontario: Results of a Survey on Flood Experiences and Preparing for the Future. A Partners for Action report prepared for the City of Windsor and the Canadian Red Cross.
- 3 **Silver A.** and Mills B. (2017). The value and application of sub-seasonal to seasonal weather forecasts, 2nd edition. Waterloo: Environment Canada. 78 pp.
- 2 **Silver A.** (2012). Risk communication preferences among Goderich residents following the August 21st, 2011 tornado. *Canadian Risks & Hazards Network Newsletter* 4(1): 46-48.
- 1 **Silver A.** and van Proosdij D. (2009). The influence of vegetation on sedimentary processes in a macro-tidal salt marsh. Proceedings of the 8th Bay of Fundy Ecosystem Partnership Science Workshop, Wolfville, Nova Scotia. 10 pp

GRANT FUNDING

Federal-Level

- 2023-2026 **Senior Personnel.** Department of Homeland Security (DHS) Science and Technology Directorate. Exploiting Mesonets for Emergency Preparedness and Response to Weather Extremes (EMPOWER). With Dr. Chris Thorncroft (PI) and Dr. Eric Stern (PI). \$3,000,000 total award.

2020-2021 **Co-Principal Investigator.** National Science Foundations, RAPID Grant. “RAPID: A Multi-Wave Study of Risk Perception, Information Seeking, and Protective Action in COVID-19”. With Samantha Penta (Principal Investigator) and Lauren Clay (co-Principal Investigator). Award Number: 2028412. \$47,972 total award.

2015-2020 **Key Personnel.** National Science Foundation, PIRE Award. “Building Extreme Weather Resiliency Through Improved Weather and Climate Prediction and Emergency Response Strategies”. With Everette Joseph (Principal Investigator) and Christopher Thorncroft (Co-Principal Investigator). Award Number: 1545917. \$4,497,533 total award. \$193,000 awarded for personal research and VOST development.

State-Level

2017-2019 **Co-Principal Investigator.** New York State Division of Homeland Security and Emergency Services. “New York State Hazard Mitigation Program (SHMP)”. With Catherine Lawson (Principal Investigator) and Brian Nussbaum (co-Principal Investigator). \$1,000,000 awarded.

Institutional Grants

2023-2024 **Principal Investigator.** Institute for Catastrophic Loss Reduction (ICLR) Quick Response Program. “2023 Tantallon, Nova Scotia wildfires”. With Brent Doberstein (co-Principal Investigator). \$4950 awarded (declined).

Submitted, Not Funded

2022 **Senior Personnel.** National Science Foundation. “INstitute FOR Resilient-AI in Crisis Decision-Making (INFORM)”. With Eric Stern (Principal Investigator). \$19,99,997 requested.

2021 **Co-Principal Investigator.** Russell Sage Foundation. “Protective Action Adoption in Context: Individual, Household, and Community Level Influences on Decision-Making during COVID-19”. With Samantha Penta (Principal Investigator) and Lauren Clay (Co-Principal Investigator). \$28,454 requested.

Proposals in Preparation

Principal Investigator. “The X-Factor: Understanding the Influence of Social Media on Information Seeking, Sharing, and Behavioral Response in a Post-Twitter Information Environment”. In preparation for the National Science Foundation HDBE Program. Expected submission: Spring 2024.

ACADEMIC AWARDS AND HONOURS

- 2016 Sharon & David Johnston award. \$5000 value.
Canadian Risks and Hazards Network travel bursary. \$600 value.
- 2012-2015 SSHRC CGS Doctoral Award. \$105,000 value.
University of Waterloo President's Graduate Scholarship. \$30,000 value.
- 2014 American Meteorological Society Student Presentation Award.
University of Waterloo SSHRC Talent Award nominee.
- 2013 Association of American Geographers Gilbert F. White Award.
Outstanding Achievement in Graduate Studies, University of Waterloo.
CAGONT/ELDAAG Student Presentation Award.
- 2012-2013 Ontario Graduate Scholarship. \$15,000 value (declined).
Environmental Studies Graduate Experience Award. \$4000 value.
- 2012 Scholarship to attend the Natural Hazards Center annual workshop.
- 2011-2012 SSHRC CGS Masters Award. \$17,500 value.
University of Waterloo President's Graduate Scholarship. \$10,000 value.
Ontario Graduate Scholarship. \$15,000 value (declined).
- 2010-2012 Environmental Studies Graduate Experience Award. \$8000 value.
- 2010 Weather and Society Integrated Studies (WAS*IS) Fellow.
Canadian Association of Geographers (CAG) Undergraduate Award
- 2009 NSERC URSA. \$4500 value.
Academic Achievement Scholarship. \$3500 value.
ACAG Student Presentation Award.
Saint Mary's University Dean's List
- 2008 NSERC URSA. \$4500 value.
Academic Achievement Scholarship. \$3500 value.
Saint Mary's University Dean's List

CONFERENCES AND SYMPOSIUMS

Silver A. and Behlendorf B. (2023). Understanding your audience: The influence of social media user-type on informational behaviors and hazard adjustments during Hurricane Dorian. Paper presented at the *Northeast Regional Operational Workshop XXIV*. Albany, New York. November 14-15.

Silver A., Behlendorf B., Finnis J., and Spinney J. (2023). The influence of affective response on information seeking during Hurricane Fiona: analysis of the Risk Information Seeking and Processing model. Paper presented at the *Canadian Meteorological and Oceanographic Society* annual conference. May 28 – June 1. Virtual.

Bowen, S., Castellan, A., **Silver, A.**, and Spinney, J. (2023). Mixed media and crossed wires: challenges and opportunities presented by contemporary and traditional media for disaster preparedness, warning, and response communication. Panel presentation with Joel Finnis (moderator) at the *Canadian Meteorological and Oceanographic Society (CMOS)* annual conference. June 1. Virtual.

Finnis, J., Pelot, R., **Silver, A.**, and Marven C. (2023). Connecting researchers and practitioners: a community of practice for Canadian coastal and marine risk communication. Poster presented at the *Oceans Research in Canada Alliance (ORCA)* national meeting. June 1-2. Virtual.

Finnis J., **Silver A.**, Pelot R., and Marven C. (2023). Coast and ocean risk communication. Poster presented at the *MEOPAR's Community of Practice* symposium. March 7. Virtual.

Silver A. and Jackson S. (2023). Public attention during Hurricanes Florence and Michael. Paper presented at the *American Meteorological Society* annual conference. January 8-12. Virtual.

Silver A., Behlendorf B., Finnis F., and Spinney J. (2022). Information seeking, sharing, and processing among Atlantic Canadians during Hurricane Fiona. Paper presented at the *Northeast Regional Operational Workshop XXIII*. Albany, New York. November 2-3.

Penta S., Koyratty N., Clay L., and **Silver A.** (2022). Health or economics: unpacking concern type and severity in the COVID-19 pandemic. Paper presented at the International Researchers Committee on Disasters at the *Natural Hazards Center* annual workshop. July 14. Virtual.

Silver A., Finnis J., Behlendorf B., and Reid-Musson E. (2022). End-user satisfaction with Hurricane Dorian information in Atlantic Canada. Paper presented at the *WMO/WWRP Weather and Society* conference. March 9. Virtual.

Silver A., Morrison D., and Kratoville, J. (2022). Virtual Operation Support Team (VOST): Crowdsourcing for Situational Awareness during Crises. Paper presented at the *American Meteorological Society Weather Band Community and Citizen Science Symposium*. January 21-22. Virtual.

Koyratty, N., Clay, L., **Silver, A.**, and Penta, S. (2021). COVID-19 pandemic: Food insecurity risk and food access perceptions, practices and problems in the US. Paper

presented at the Food and Nutrition Section, *American Public Health Association (APHA)* conference, October 26, Denver, CO.

Koyratty, N, Clay, L, **Silver, A.**, and Penta, S. 2021. Food insecurity risk and food access perceptions, practices and problems in New York State during the COVID-19 pandemic. Poster presented at the *NYS Public Health Partnership* conference, April 30, Virtual.

Marven C., Finnis J., Pelot R., and **Silver A.** (2021). Coast and Ocean Risk Communication Community of Practice. Poster presented at the *International Crisis and Risk Communication* conference. March 8-10. Virtual.

Silver A. (2019). Atlantic hurricanes: tomorrow's solutions to enhancing prediction and bolstering resilience. Panel discussion at the RISE Conference, Albany, New York. November 18-20.

Silver A. (2019). Communication challenges and opportunities based on recent high impact events: hurricanes and wildfires. Panel discussion at the *American Meteorological Society Summer Community Meeting*, Albany, New York. August 13-14.

Penta, S., Phillips, S., **Silver, A.**, and Barrett, E. (2019). Beyond internships: experiential learning as a tool for emergency management education. Paper presented at the *International Researchers Committee on Disasters/Natural Hazards Center Researchers Meeting*. Broomfield, Colorado. July 18.

Silver A. and Andrey J. (2018). Public attention to extreme weather: sense-making on social media. Paper presented at the *Association of American Geographers* annual conference. New Orleans, Louisiana. April 10-14.

Silver A. and Matthews L. (2016). The use of Facebook for information seeking, decision support, and self-organization following a significant disaster. Paper presented at the *Canadian Association of Geographers* annual conference. Halifax, Nova Scotia. May 30-June 4.

Silver A. and Andrey J. (2015). Assessing the use of provincial weather hashtags by members of the Canadian public. Paper presented at the *Social Media and Society* annual conference. Toronto, Ontario. July 27-29.

Silver A. and Matthews L. (2014). Facebook as a response and recovery tool following the 2011 Goderich, Ontario tornado. Paper presented at the *Canadian Risks and Hazards Network* annual symposium. Toronto, Ontario. October 22-24.

Silver A. and Andrey J. (2014). Perception and use of weather information in decision-making by members of the Canadian public. Paper presented at the *World Weather Open Science Conference*. Montréal, Québec. August 16-21.

Silver A. and Grek-Martin J. (2014). “It still feels like Goderich to me, and I think that it will be beautiful again”: The positive and negative impacts of an F3 tornado on residents’ sense of place. Paper presented at the *Canadian Association of Geographers* annual meeting. St. Catherines, Ontario. May 26-30.

Harrison S., **Silver A.**, and Doberstein B. (2014). Post-storm damage survey of tornadic events in Canada: Implications for disaster risk reduction and policy. Paper presented at the *Canadian Association of Geographers* annual meeting. St. Catherines, Ontario. May 26-30.

Silver A. (2014). Preferences, perceptions, and usage of forecast information by members of the Canadian public. Paper presented at the *American Meteorological Society* annual meeting. Atlanta, Georgia. February 2-6.

Silver A. (2013). “Now we understand what ‘community’ really means”: Exploring the positive and negative impacts of disaster on place attachments. Paper presented at the joint annual meeting of the *Canadian Association of Geographers Ontario Division* and the *Eastern Lakes Division of the Association of American Geographers*. Toledo, Ohio. October 25-26.

Silver A. and Andrey J. (2013). Watch or warning? Weather saliency and forecast preferences among Ontario residents. Paper presented at the *Canadian Association of Geographers* annual meeting. St. John's, Newfoundland. August 11-15.

Silver A. and Andrey J. (2013). Factors influencing individuals’ self-protective behaviours during the August 21st, 2011 Goderich, Ontario tornado. Paper presented at the *Association of American Geographers* annual meeting. Los Angeles, California. April 9-13.

Silver A. (2012). Risk communication and decision-making: the role of current communications technologies before, during, and after the Goderich, Ontario tornado. Paper presented at the *Canadian Association of Geographers* annual meeting. Waterloo, Ontario. May 28-June 2.

Silver A. (2012). The role of mobile phone technology and social media before, during, and after the Goderich, Ontario tornado. Paper presented at the *Association of American Geographers* annual meeting. New York, New York. February 24-28.

Silver A., King J., and Rombough L. (2011). Travel behavior of undergraduate students in the Region of Waterloo, Ontario. Poster presented at the *Wilfrid Laurier University Faculty of Arts 4x3 Poster Symposium*. Waterloo, Ontario. March 30.

Silver A. (2010). Community resilience to natural disasters: A case study from Nova Scotia, Canada. Paper presented at the *1st Waterloo Conference on the Characteristics and Risk Management of Natural Hazards*. Waterloo, Ontario. December 1-3.

Conrad C., Grek-Martin J., and **Silver A.** (2010). Perceptions of a changing climate: Voices from The Gambia, West Africa. Paper presented at the *Canadian Association of Geographers Ontario Division Meeting*. Toronto, Ontario. October 15-16.

Silver A. and Conrad C. (2010). Public perception of and response to severe weather warnings in Nova Scotia, Canada. Paper presented at the *Canadian Association of Geographers* annual meeting. Regina, Saskatchewan. June 1-5.

Silver A. and Conrad C. (2009). Public perception of and response to severe weather warnings in Nova Scotia, Canada. Paper presented at the *Atlantic Canadian Association of Geographers* annual meeting. Halifax, Nova Scotia. October 16-17.

Silver A. and van Proosdij D. (2009). The influence of vegetation on sedimentary processes within a macro-tidal salt marsh. Paper presented at the *Bay of Fundy Ecosystem Partnership Workshop*. Wolfville, Nova Scotia. May 26-29.

Silver A. and van Proosdij D. (2008). The influence of vegetation on sedimentary processes within a macro-tidal salt marsh. Paper presented at the *Atlantic Canadian Association of Geographers* annual meeting. Sackville, New Brunswick. October 17-18.

INVITED PRESENTATIONS

Silver A. (2024). The role of Virtual Operations Support Teams (VOSTs) in emergency management. Boston Office of Emergency Management Roundtables to Resilience speaker series. May 22. Virtual.

Silver A. (2023). The influence of sense of place and place attachment on disaster recovery. Cambridge Disaster Research Network Seminar Series. May 16. Virtual.

Silver A., Tang B., and Nussbaum M. (2022). New interdisciplinary research opportunities based on lessons from the 2022 hurricane season. University at Albany's WCEP Community Meeting. Panel Discussion. October 21.

Silver A. (2022). How close is close enough? Exploring the interplay between forecast accuracy and consistency. Australian Bureau of Meteorology Research Seminar. February 23. Virtual.

Silver A., Finnis J., Behlendorf B., and Reid-Musson E. (2021). Public trust in changed forecasts: evidence from Atlantic Canada and Hurricane Dorian. A Coast and Ocean Risk Communication Community of Practice (CORC COP) Webinar. November 16.

Silver A., Vermeulen, K., James, K., and Madad, S. (2021). Turning the Tide: RAPID: A multi-wave study of risk perception, information seeking and protective action in COVID19. HANYS Webinar Series with Samantha Penta (moderator). August 10.

Silver A. and Morrison D. (2021). Organized chaos: social media, severe weather, and disaster management. NOAA Central Library Seminars. February 23. Virtual.

Penta, S., Clay, L, and **Silver, A.** (2020). RAPID: A Multi-Wave Study of Risk Perception, Information Seeking, and Protective Action in COVID-19. Invited presentation for the COVID Information Commons Lightning Talk Series. October 16.

Silver A. (2020). Ready or not: understanding how end-users obtain, interpret, and respond to official and unofficial forecast information. Northeast Regional Operational Workshop XXI. Albany, New York. November 5. Keynote Address.

Silver A. (2019). Navigating the changing communication landscape: social media risk and crisis communication. National Weather Service (NWS) Integrated Warning Team Workshop. Sioux Falls, South Dakota. October 24.

Silver A. (2019). Navigating the changing communication landscape: social media for risk and crisis communication. A Coast and Ocean Risk Communication Community of Practice (CORC COP) Webinar. October 4.

Silver A. (2017). Public attention to high impact weather. *DAES and ASRC Joint Colloquium Series.* October 23.

McGown D., **Silver A.**, and Mitchell A. (2017). Risk and the environment. *Spur Toronto.* April 8.

Silver A. (2014). Public perception and usage of weather products and services by members of the Canadian public. The Weather Network, Oakville, Ontario. October 3.

Silver A. (2014). Update on public understanding of Environment Canada bulletins. Environment Canada, Downsview, Ontario. April 4.

Silver A. (2014). Risk communication during emergencies. Flood Warning and Emergency Planning Meeting, Flood Coordinators Workshop. London, Ontario. March 6.

Mills B. and **Silver A.** (2014). Understanding the development, dissemination, usage, and perception of weather information from the forecaster to various end-users. GEOG 674: Climate and Society, University of Waterloo. January 31.

Silver A. (2014). The benefits and challenges associated with the use of social media as a flood risk communication tool. Grand River Conservation Authority (GRCA), Cambridge, Ontario. January 29.

Silver A. (2013). Communication of flood risk information: challenges and future opportunities for practitioners. Upper Thames River Conservation Authority (UTRCA), London, Ontario. October 9.

Silver A. (2013). External messaging and public, municipal, and media reception – social science perspectives. Provincial Flood Forecasting and Warning Committee (PFFWC) workshop, Toronto, Ontario. September 18-19.

Silver A. (2013). Factors influencing individuals' decision making during high risk short-notice disasters: the case study of the August 21st, 2011 Goderich, Ontario tornado. Environment Canada, Downsview, Ontario. April 3.

Silver A. (2010). Regional social vulnerability to severe weather events. Weather and Society*Integrated Studies (WAS*IS) Workshop. Boulder, Colorado. August 5-13.

TEACHING

Undergraduate Courses Taught, University at Albany

CEHM 191 – Social Media and Disasters (F22, F23)
 CEHC 299 - Critical Issues in EP, HS and C (F22)
 CINF 307 – Current Topics in Social Media (F18, S21, S22, S23, S24)
 CEHC 310 – Research Seminar in EP, HS, C (S24)
 CEHC 344 – Emergency Preparedness (F17, S18, Su18, F18, W19, S19, Su19, F19, S20, Su20, F20, S21, Su21, Su22, F22, F23)
 CEHC 399 – Human Dimensions of Severe Weather (S20)
 CEMH 400 – Preparedness and Response (S23, F23)
 CEHC 495 – Special Topics in Research and Applied Learning (S22)

Graduate Sources Taught, University at Albany

CEMH 500 – Preparedness and Response (S23, F23)

Undergraduate Courses Taught, University of Waterloo

GEOG 206 – Human dimensions of natural disasters (Su11, Su12, Su13)
 GEOG 306 – Human dimensions of natural disasters (Su15, Su16)
 GEOG 222 – Geographical Study of Canada (S12, F13, F14)

Graduate Students Supervised

Tedeschi, P. The perception of named winter storms. Master's thesis. College of Emergency Preparedness, Homeland Security and Cybersecurity, University at Albany.

Jeffcoat, S. CINF 897 – Independent Study (Social Media Analytics). PhD Student, University at Albany.

Undergraduate Students Supervised

Cohen, N. (2019). The use of social media for problem-focused, emotion-focused, and religious-focused coping during Hurricane Florence. Undergraduate research project, College of Emergency Preparedness, Homeland Security and Cybersecurity, University at Albany.

Starr L. (2014). University-level storm closure policies in Canada. Undergraduate thesis, Department of Geography & Environmental Management, University of Waterloo.

Casbourn S. (2014). Changes in the flooding regime of the St. Lawrence basin in response to climate change. Undergraduate research project, Department of Geography & Environmental Management, University of Waterloo.

Harrison S. (2014). Post-storm damage surveys of tornado hazards in Canada: Implications for mitigation and policy. Undergraduate thesis, Department of Geography & Environmental Management, University of Waterloo. 117 pp.

Davies M. (2013). How climate change will affect tornadoes and the future disaster planning in Ontario. Undergraduate research project, Department of Geography & Environmental Management, University of Waterloo.

Avis M. (2012). Perception, communication, and response among the elderly following a tornado in Goderich, Ontario. Undergraduate research project, Department of Geography & Environmental Management, University of Waterloo.

SERVICE

College of Emergency Preparedness, Homeland Security and Cybersecurity

- 2023- Member, **Justice, Equity, Diversity, and Inclusion Committee**, College of Emergency Management, Homeland Security and Cybersecurity.
- 2023 Member, **Tenure and Promotion Committee (ad hoc)**, Department of Emergency Management and Homeland Security, University at Albany.
- 2023, 2021 Member, **Search Committee**, College of Emergency Preparedness
2018, 2017 Homeland Security and Cybersecurity.
- 2022- Chair, **Communications Committee**, Department of Emergency Management and Homeland Security.
- 2022- Member, **Undergraduate Committee**, Department of Emergency Management and Homeland Security.
- 2020- Course lead, Emergency Preparedness (CEHC 344)

- 2019- Faculty supervisor, **Virtual Operations Support Team (VOST)**, University at Albany.
- 2018-2020 Member, **Graduate Committee**, College of Emergency Preparedness, Homeland Security and Cybersecurity
- 2017-2018 Chair, **Grievance Committee**, College of Emergency Preparedness, Homeland Security and Cybersecurity

University at Albany, State University of New York

- 2018-2022 Member, **Committee on Academic Standing**, University at Albany.

Professional Service

- 2021 External Reviewer, National Center for Atmospheric Research (NCAR) Early Career Faculty Innovator Program.
- 2019- Co-Lead, Coast and Ocean Risk Communication Community of Practice (CORC CoP), a MEOPAR initiative.
- 2016-2020 Member of the High Impact Weather (HIWx) working group of the World Meteorological Organization
- 2013-2017 Member of the American Meteorological Society's Board on Societal Impacts.
- 2013 Canadian Risks and Hazards Network (CRHNet) Young Professionals Committee member
- 2012-2014 Special session organizer and chair ("Weather and Society") at the Canadian Association of Geographers annual meeting.
- 2012 Student volunteer at the Natural Hazards Research Centre 37th annual workshop. Broomfield, Colorado. July 14-17.
- 2011-2012 Organizing committee member for the Canadian Association of Geographer's 2012 annual meeting.
- 2011 Review committee member for the Weather and Society*Integrated Studies (WAS*IS) workshop.
- 2010-2017 Committee member for the Canadian Weather and Society study and research group at the University of Waterloo.

Refereeing

Peer-reviewed Journals

- Annals of Tourism Research
- Australasian Journal of Disaster and Trauma Studies
- Bulletin of the American Meteorological Society (BAMS)
- Disasters
- Environmental Hazards
- Geographical Review
- Information Systems for Crisis Response and Management (ISCRAM)
- International Journal of Disaster Risk Reduction
- Journal of Community Psychology
- Journal of Contingencies and Crisis Management
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