

Amy Lauren Lovecraft

Professor of Political Science

Director of the Center for Arctic Policy Studies

University of Alaska Fairbanks

International Arctic Research Center

2160 N Koyukuk Dr. Fairbanks, AK 99775

Tel: 907.474.6958

alovecraft@alaska.edu

Professional Appointments and Fellowships

2017 – 2021, Nordforsk Science Advisory Board, Joint Nordic Initiative on Arctic Research

2018 – present, Director of the Center for Arctic Policy Studies at UAF

2016 – 2020, Scientific Steering Committee, Study of Environmental Arctic Change (SEARCH)

2014 – present, Professor of Political Science at the University of Alaska Fairbanks

- Department Chair of Political Science 2014 - 2018

2008 - 2014, Associate Professor of Political Science at the University of Alaska Fairbanks

- Department Chair of Political Science 2008-2010
- Sabbatical leave 2010-2011

2008 - 2011, 2011-2013 United States National Academies Polar Research Board Member

2011 Fulbright Research Scholar, Norway – affiliated with the Center for International Climate and Environmental Research Oslo (CICERO)

2010 Arctic Studies Dickey Fellow - Dartmouth College Dickey Center for International Understanding

2004 - 2007 Research Fellow, Institutional Dimensions of Global Environmental Change (IDGEC). University of California, Santa Barbara, USA

2001 - 2008 Assistant Professor of Political Science at the University of Alaska Fairbanks

1994-1995 Fulbright Research Scholar, Austria

Education

- *The University of Texas at Austin*
Department of Government, Ph.D. 2001
Department of Government, M.A. 1997
- *Trinity University in San Antonio, TX*
1994 B.A. International Studies

Grants Awarded ***A portion supports of one or more graduate/undergraduate student(s)*

2019-2017 SSHRC (Canada) UAF PI: A.L. Lovecraft – Community Appropriate Sustainable Energy Security (CASES) Partnership Grant \$7,334,447CDN. PI: Bram Noble (University of Saskatchewan) **

2018 Co-PI NSF Scenarios workshop in support of Research, Synthesis, and Knowledge Transfer in a Changing Arctic – \$62,655, PI: Brendan Kelly

2016-2017 National Oceanic and Atmospheric Administration (NOAA) “Arctic sustainability research in support of the arctic policy and governance educational partnership” [contract to provide professional services to coordinate and implement projects related to arctic sustainability between NOAA and UAF] PI: A.L. Lovecraft \$98,380**

2015-2017 Co-PI Northwest Arctic Borough Science Steering Committee, “Northern Alaska Scenarios Project: Youth engagement on community sustainability” (Arctic Future Makers). PI: Doug Cost \$51,250.**

2013-2017 National Science Foundation (NSF) “The North Slope Arctic Scenarios Project (NASP): Envisioning Futures and Strategizing Pathways for Healthy Communities.” PI: A.L. Lovecraft \$954,290**

2013-2015 Co-PI, Bureau of Land Management “Scenarios Planning for energy and resource development in the North Slope Alaska” PI: Olivia Lee \$475,000.**

2013-2014 Ocean Conservancy “A Review of Planned and Proposed Infrastructure along Alaska’s Arctic Coasts.” PI: A.L. Lovecraft \$55,000**

2012-2014 Co-PI, Research Council of Norway (RCN) “Critical Aspects of Adaptive Capacity to Climate Change in the Northern Regions.” PI: Grete K. Hovelsrud 7,229,000NOK (approx. \$1,258,000 USD).**

2011 Co-PI, EPSCoR Integrative Faculty Research Award “Climate Change, Sea Ice, and Tourism.” PI: Steve Colt \$21,350.

2009-2014 Co-PI, National Science Foundation (NSF) “Collaborative Research on the State of the Arctic Sea Ice Cover: Sustaining the Integrated Seasonal Ice Zone Observing Network (SIZONET) Phase II.” PI: H. Eicken \$1,419,891**

2008 Government of Canada, Program Enhancement Grant “The International Polar Year in North America: Engaging the Human Dimension through Peace and Security Dialog.” PI: A.L. Lovecraft \$6,000

2008 Marine Mammals Commission “Human Dimensions of Marine Mammal Management in the Arctic: Implications for policy in a changing North.” PI: A.L. Lovecraft, \$10,000

2006-2009 Co-PI, National Science Foundation (NSF) “IPY: Collaborative Research on the State of the Arctic Sea Ice Cover: An Integrated Seasonal Ice Zone Observing Network (SIZONET).” PI: H. Eicken \$882,243**

2007-2008 Inland Northwest Research Alliance Water Research Consortium, “Freshwater Social-Ecological Systems: Analyzing Alaska’s Institutional Capacity for Water Security and Hydrological Change.” PI: A.L. Lovecraft, \$62,500**

2006 Inland Northwest Research Alliance Water Research Consortium Grant “Water Resource Management Regional Needs Assessment.” PI: A.L. Lovecraft, \$16,071**

2004 - 2005 Canadian Studies Faculty Research Grant “Comparative Study of Fire Policy and the Rules and Relationships between Governments and Indigenous People.” PIs: A.L. Lovecraft and S. F. Trainor \$6,700

2004 - 2007 National Science Foundation (NSF) Grant “Understanding Northern Sustainability Debates: The Politicization of Science for Natural Resource Policymaking.” PI: A.L. Lovecraft \$120,000**

2003 - 2006 Co-PI, NSF Grant “Fire-Mediated Changes in the Arctic System: Interactions of Changing Climate and Human Activities.” PI: Terry Chapin \$1,140,000**

2003 Graduate School of University of Alaska Fairbanks Grant for Online Course Delivery, used to develop NORS 656 Science, Technology, and Politics for simultaneous web delivery. \$5,000

2003 NSF Experimental Program to Stimulate Competitive Research (EPSCoR) Phase II Seed Grant recipient for research on human-fire interactions and data integration. \$6,779

2002 Graduate School of University of Alaska Fairbanks Grant for Website Development, used to develop the Political Science Department website. \$5,000

2002 Canadian Studies Program Enhancement Grant “The Cross-cultural Politics of Nunavut Territory.” PIs: A.L. Lovecraft, C. deWit and L. Rank. \$5,770

2001 Grants to attend *Canada Institute* July 11-22, 2001. I was a UAF representative competitively selected to attend this institute for Canadian studies and research development. I received an award from the Government of Canada and UAF.

Current Grants Submitted

September 2019 *The future of Arctic coastal ecosystems – Identifying transitions in fjord systems and adjacent coastal areas (FACE-IT)* submitted to the European Commission program: The changing cryosphere. PI: Kai Bischof (Universität Bremen) 5,550,342EUR. University of Alaska is a Consortium member, Lovecraft is the UA Researcher.

March 2019 *Interdisciplinary Research for Arctic Coastal Environments (InterFACE)*, submitted to Department of Energy by four national laboratories and IARC, PI: Joel Rowland (LANL), Co-PI: Hajo Eicken (IARC) \$8.7 million (\$1.875 million UAF). UAF Senior Personnel: A.L. Lovecraft

Honors and Awards

- 2017 Elected a member of the Norwegian Scientific Academy for Polar Research
- 2015 Pi Sigma Alpha (political science honor society) faculty educator and advisor award
- 2009 Finalist, University of Alaska Fairbanks Usibelli Award for Distinguished Research
- 2008 The Ecology Society of America Sustainability Science Award for the paper: Chapin, F.S., III, A.L. Lovecraft, E.S. Zavaleta, et al. 2006. Policy strategies to address sustainability of Alaskan boreal forests in response to a directionally changing climate, *PNAS*
- 2004-2007 National Science Foundation (NSF) Experimental Program to Stimulate Competitive Research (EPSCoR) Phase II Grant in support of competitive research capacity. Early Career Award, \$78,440
- 2004 Honorarium, Brookings Institution for Presentation “Perspectives on Public Expectations & the Politics of National vs. Alaskan Wildfire Management.” \$1,000
- 2003 United Academics College of Liberal Arts Exceptional Performance Award for “Exemplary Engagement Across Social Science Disciplines.” \$2,500
- 2003 Canadian Studies support award to represent UAF in Canada Week March 8-10 in Anchorage, AK. The award was from the Canadian Consulate in Seattle, WA.
- 2002 Canadian Studies support award to represent UAF in Canada Week March 6-9 in Anchorage, AK. The award was from the Canadian Consulate in Seattle, WA.
- 2001 Awards to attend Canada Institute July 11-22, 2001. I was a UAF representative; received an award from the Government of Canada as well as a supplementary award from UAF.

Publications **Graduate student*

Articles in Peer Review Journals

- Moon, T.A., Overeem, I., Druckenmiller, M., Holland, M., Huntington, H., Kling, G., Lovecraft, A.L., Miller, G., Scambos, T., Schädel, C., Schuur, E.A.G., Trochim, E., Wiese, F., Williams, D., Wong, G. 2019. The expanding footprint of rapid Arctic change. 2019. *Earth's Future*, doi/10.1029/2018EF001088
- *Blair, B., A. L. Lovecraft, and G. P. Kofinas. 2014. Meeting institutional criteria for social resilience: a nested risk system model. *Ecology and Society* 19(4): 36.
- *Krupa, M. B., F. S. Chapin III, and A. L. Lovecraft. 2014. Robustness or resilience? Managing the intersection of ecology and engineering in an urban Alaskan fishery. *Ecology and Society* 19(2): 17.
- Lovecraft, A.L. 2013. The Human Geography of Arctic Sea Ice: Introduction. *Polar Geography* 36(1-2):1-4 [editorial review].
- Lovecraft, A.L., C. Meek, H. Eicken. 2012. Connecting Scientific Observations to Stakeholder Needs in Sea Ice Social-Environmental Systems: The Institutional Geography of Northern Alaska. *Polar Geography* (36): 105-125.
- *Magness, D. A.L. Lovecraft, J. Morton. 2012. Factors Influencing Individual Management Preferences for Facilitating Adaptation to Climate Change within the National Wildlife Refuge System. *Wildlife Society Bulletin*. doi: 10.1002/wsb.156
- Meek, C.L., A.L. Lovecraft, R. Varjopuro, M. Dowsley, A. Dale. 2011. Adaptive governance and the human dimensions of marine mammal management: Implications for policy in a changing North. *Marine Policy* 35(4): 466-476.

- Lovecraft, A.L. and C. L. Meek. 2011. The human dimensions of marine mammal management in a time of rapid change: Comparing policies in Canada, Finland, and the United States. *Marine Policy* 35(4): 427-429.
- *Robards, M.D. and A.L. Lovecraft. 2010. Evaluating co-management for social-ecological fit: Indigenous priorities and agency mandates for Pacific Walrus. *Policy Studies Journal* 38(2): 257-279.
- *Beier, C., A.L. Lovecraft, F.S. Chapin III. 2009. Growth and collapse of a resource system: an adaptive cycle of change in public lands governance and forest management in Alaska. *Ecology and Society* 14(2)
- Eicken, H., A.L. Lovecraft, M. L. Druckenmiller*. 2009. Sea-ice system services: A framework to help identify and meet information needs relevant for Arctic observing networks. *Arctic* 62(2): 119-136.
- Trainor, S.F., F.S. Chapin, III, A. D. McGuire, M. Calef, N. Fresco, D. Natcher, P. Duffy, T. S. Rupp, L. DeWilde*, O. Huntington, M. Kwart, A. L. Lovecraft. 2009. Vulnerability and Adaptation to Climate-Related Fire Impacts in Rural and Urban Interior Alaska. *Polar Research*, 29(1):100-118.
- Chapin, F. S., III, S. F. Trainor, O. Huntington, A. L. Lovecraft, E. Zavaleta, D. C. Natcher, A. D. McGuire, J. L. Nelson*, L. Ray, M. Calef, N. L. Fresco, H. Huntington, T. S. Rupp, L. DeWilde*, and R. L. Naylor. 2008. Increasing wildfire in the boreal forest: Causes, consequences, and pathways to potential solutions of a wicked problem. *BioScience*, 58 (6), 531-540.
- *Meek C.L., A.L. Lovecraft, M.T. Robards*, G.P. Kofinas. 2008. Building resilience through interlocal relations: Case studies of walrus and polar bear management in the Bering Straits. *Marine Policy*, 32(6): 1080-1089.
- Lovecraft, A.L. 2007. Transnational environmental management: U.S. - Canadian institutions at the interlocal scale. *American Review of Canadian Studies*, 7(32), 218-245.
- Lovecraft, A. Fall 2006/Winter 2007. Bridging the biophysical and social in transboundary water governance: Quebec and its neighbors. *Quebec Studies* 42, 133-140.
- Chapin, F.S., III, A.L. Lovecraft, E.S. Zavaleta, J. Nelson*, M.D. Robards*, G.P. Kofinas, S.F. Trainor, G.D. Peterson, H.P. Huntington, and R.L. Naylor. 2006. Policy strategies to address sustainability of Alaskan boreal forests in response to a directionally changing climate. *Proceedings of the National Academy of Sciences* 103(45):16637-16643.
- Lovecraft, A., W.D. Chapin, D.C.W. Parker, and D. Sadler. 2006. Simulations and role-playing track summary, *PS: Political Science and Politics*, 34(3), 540-541.
- Lovecraft, A. 2004. Interlocal rules and democracy in the administration of cross border policy communities. *Administrative Theory & Praxis*, 26, 383-407.

Book Chapters

- Lovecraft, A.L. and C.L. Meek. 2019. Arctic Coastal Systems: Evaluating the DAPSI(W)R(M) Environmental Management Framework, In M. Elliott, R. Ramachandran, J. Day, and E. Wolanski Eds. *Coasts and Estuaries: The Future*. Elsevier.
- Lovecraft, A.L. and D.S. Cost. 2019. Policy Paradoxes: Challenges Confronting the Contemporary Arctic, in D. Nord Ed., *Leadership for the North: The Influence and Impact of Arctic Council Chairs*. Springer.
- *Blair, B., A.L. Lovecraft, and R. Hum*. 2018. The Disaster Chronotope: Spatial and Temporal Learning in Governance of Extreme Events. In S. Bonati., L.M. Calandra, and G. Forino (Eds.) *New Trends for Governance of Risks and Disasters: Theory and Practice*. Routledge, Abingdon, Oxfordshire, U.K.
- Lovecraft, A.L. and H. Eicken. Transformative collaboration in the Fourth International Polar Year: Connecting Studies of Arctic Change Across the Sciences and the Arts, In A.L. Lovecraft

- and H. Eicken eds. 2011. *North by 2020: Perspectives on Alaska's Changing Social-Ecological Systems*. University of Alaska Press: Fairbanks, AK, 3-18.
- Eicken, H. and A.L. Lovecraft. Planning for Northern Futures: Lessons from Social-Ecological Change in the Alaska Region, In A.L. Lovecraft and H. Eicken eds. 2011. *North by 2020: Perspectives on Alaska's Changing Social-Ecological Systems*. University of Alaska Press: Fairbanks, AK, 681-700.
- Chapin, F.S. and A.L. Lovecraft, Contextualizing Alaska's Climate Change from Global to Local Scales: The Boreal Forest, People, and Wildfire, In A.L. Lovecraft and H. Eicken eds. 2011. *North by 2020: Perspectives on Alaska's Changing Social-Ecological Systems*. University of Alaska Press: Fairbanks, AK, 41-52.
- McBeath, G. and A.L. Lovecraft. 2010 The Alaska Senate Race (*Begich v. Stevens*) In Robert P. Watson Editor. *The Roads to Congress 2008*. Rowman & Littlefield Publishers, 227-243.
- Lovecraft, A.L. and H. Eicken. 2009. The sea ice system services framework: Development and application, Chapter 2 In H. Eicken, R. Grading, M. Salganek, K. Shrasawa, D. Perovich, M. Lepparanta Editors. *Handbook on field techniques in sea-ice research: A sea-ice system services approach*. University of Alaska Press: Alaska, 9-24.
- Lovecraft, A.L. 2008. Climate Change and Arctic Cases: A Normative Exploration of Social-Ecological System Analysis, In Steve Vanderheiden, Editor. *Political Theory & Global Climate Change*. The MIT Press: Cambridge, MA, 91-120.

Books

- Lovecraft, A.L. and H. Eicken, Editors. 2011. *North by 2020: Perspectives on Alaska's Changing Social-Ecological Systems*. University of Alaska Press: Fairbanks, AK. 736pgs.

Proceedings

- Eicken, H., O. Lee, and A.L. Lovecraft. 2016. Evolving roles of observing systems and data co-management in Arctic Ocean governance. Oceans2016 MTS/IEEE. DOI: [10.1109/OCEANS.2016.7761298](https://doi.org/10.1109/OCEANS.2016.7761298)
- Lovecraft, A. L. Editor. 2009. *Proceedings: Lessons from Continuity and Change in the Fourth International Polar Year Symposium*. Inland Northwest Research Alliance, Idaho Falls, ID.
- Lovecraft, A. and McBeath, J. 2005. "Alaska" In: Carl Mott ed. *Proceedings: Budgeting in the 13 Western States*. Center for Public Policy and Administration, University of Utah, Salt Lake City, UT, 1-17.

Reports and White Papers

- Lovecraft, A.L. and B. Preston 2018. Chapter 8 "Arctic Scenarios" In *Adaptation Actions for a Changing Arctic - Perspectives from the Bering/Chukchi/Beaufort Region*. Arctic Monitoring and Assessment Programme (AMAP), Arctic Council, Oslo, Norway.
- Lovecraft, A.L., N. Fresco, D. Cost. 2017. Northern Alaska Scenarios Project: Creating Healthy Sustainable Communities in Arctic Alaska. *Center for Arctic Policy Studies Report Series*.
- Cornell, S., Downing, A., Clark, D., Bickford, A., Blom, A., Carson, M., Goodwin, W., Kelman, I., Lefevre, J., Lovecraft, A., McGovern, T., Strambo, C., and Yurova, A. 2016. Chapter 2. Multiple Arctics: resilience in a region of diversity and dynamism. pp. 27-61 in Carson, M., and Peterson, G. (eds). 2016. Arctic Resilience Report. Stockholm Environment Institute and Stockholm Resilience Centre, Stockholm, SU. URL: <http://www.arctic-council.org/arr>
- Lovecraft, A.L., C.L. Meek, and H. Eicken. 2016. Data portals as institutional bridges: Connecting scientific observations to stakeholder needs. *Arctic Observing Summit 2016*; white paper.
- Lovecraft, A.L. (one of several authors) – Peters, G., Kroglund, M., Nilsson, A.E., Preston, B., Riahi, K., van Ruijven, B. *Arctic Scenarios Workshop Report*. Report to Arctic Monitoring and Assessment Programme, Arctic Council. 2014.
- Lovecraft, A.L. (contributing author) – Lead Authors: Hovelsrud, G. and J.D. Reist. "Effects of sea ice change in human society" Chapter 5 In S., Gerland, M. Granskop, K. Holmen, J.R. Key, W.N. Meier. *Climate Change and the Cryosphere: Snow, Water, Ice, and Permafrost in the*

Arctic (SWIPA) An Arctic Council 'Cryosphere' Project in Cooperation with IASC, CliC and IPY. 2012

*Meek, C.L., A.L. Lovecraft, A. Dale, M. Dowsley, and Riku Varjopuro. 2009. *Synthesis Report on the Human Dimensions of Marine Mammal Management: Implications for policy in a changing North*. Report to the U.S. Marine Mammal Commission in response to Grant No. E4047716.

Jackson-Smith, D., S. Marquart-Pyatt, C. Harris, A.L. Lovecraft, E. Shanahan, P. Wanschneider. November 2007. Inland Northwest Research Alliance Water Resources Research Consortium. *Water Resources Management Research and Education Needs Assessment Project*, Idaho Falls, ID.

Participant Author, 2005. "Renewing the U.S. – Canada Relationship," 105th American Assembly. Arden House. Harriman, NY February 3-6, 2005.

Invited Publications

Lovecraft, A. L. 2012. U.S. Arctic Policy: Context, Currents, and our Canadian Neighbor. *Canada-U.S. Institute Research Note*, no. 3. London, Ont.: Western University. Pgs 1-6.
http://thecanadausinstitute.uwo.ca/research_notes.html

Lovecraft, A. 2006. The complex dynamics of transboundary water management. *International Human Dimensions Programme on Global Environmental Change (IHDP) Update*. 1, 23-24.

Book Review: 2005. *The Journal of International Wildlife Law and Policy*, 8 (4). Ervin, D.E., Kahn, J.R., & Lvingston, M.L. Eds. 2003. *Does Environmental Policy Work? The Theory and Practice of Outcomes Assessment*. Edward Elgar: Northampton, MA.

Lovecraft, A. 2005. Water conflict, institutions, and the development of socio-ecological capital. *IDGECnews*. 9, 5-7.

Conference Participation

Presentations

2018 July, "Anticipatory governance in the Arctic: Researching the future to inform community adaptation now" – *On Land, Water and ice: Indigenous Societies and a Changing Arctic Symposium* of Hokkaido University Slavic-Eurasian Research Center 5-6 July.

2018 March, "Deliberative democracy under conditions of uncertainty: Creating anticipatory governance in Arctic Alaska." *Western Political Science Association, San Francisco*

2017 December, "Scenarios Thinking for the Bering-Beaufort-Chukchi Region" and "The Study of Environmental Arctic Change: Scenarios to Inform Science Planning" *ArcticNet, Montreal*.

2017 June, *International Conference of Arctic Social Sciences (ICASS) 9*

2017 February, (invited workshop) "Co-producing Anticipatory Governance: Scenarios as Social Learning in Arctic Alaska" *Ecological Democracy Research Workshop*, University of Sydney, Australia.

2015 November, "Scenarios as Social Learning: Anticipatory Governance for Healthy Sustainable Communities in Arctic Alaska" *Central European Polar Conference*, Vienna

2014 April, "The Value of Scenarios for Northern Alaska: Facilitating Local Expert Dialog on Well-being and Sustainability for 2040" *Western Arctic Interdisciplinary Science Conference*, Kotzebue, AK

2012 April, "Gender, Well-being, and Climate Change in the Circumpolar North" *International Polar Year 2012 Conference, Montreal*.

2012 April, "Using Transdisciplinary Knowledge Generation and Dissemination to Design Integrated Strategies for Sustainable Arctic Futures" (with Hajo Eicken) *International Polar Year 2012 Conference, Montreal*.

2011 June, "Creating future fit between ice and society: Institutionalizing refugia in the Arctic" *International Conference of Arctic Social Sciences (ICASS) 7*.

- 2011 January, "Communities of practice: Balancing research, development, and management for a sustainable High North" *Arctic Frontiers Conference*.
- 2010 December, [poster] "Creating future fit between ice and society: A plan for institutionalized refugia in the Arctic to preserve sea ice system services in a changing North" (with C. Meek & Stephanie Pfirman) *American Geophysical Union*.
- 2010 June, "North by 2020: A Multidisciplinary Forum Bridging Physical and Social Sciences to Research and Communicate Vulnerabilities and Adaptations to Arctic Change" *International Polar Year Oslo Science Conference*.
- 2010 April, "Political Theory and Polar Bears: What Is the Role of Wilderness in Managing Social-Ecological Systems?" (with C. Meek) *Western Political Science Association*.
- 2010 March, "Designing an Effective Arctic Observing Network: Collecting Sea Ices System Data to Inform Multiple Stakeholder Concerns" *State of the Arctic Conference*.
- 2009 March, "Developing Ethics for Social-Ecological Systems: Moral Reciprocity in the Governance of Domestic Animals" *Western Political Science Association*.
- 2007 November, "Polar Bear Politics: A Comparative Analysis of Management in Canada and the United States" *Association for Canadian Studies in the United States*.
- 2007 March, "Interest Groups and Science Rhetoric in Legislative Testimony: Framing the Arctic National Wildlife Refuge (ANWR)," *Western Political Science Association*.
- 2007 March, "Interlocal Arctic Interplay: Institutional Analysis of Non-State Actors in Cross-Border Species Management," *International Studies Association*.
- 2006 March, "High Latitude Wildfire and Climate Change: A Normative Exploration of Social-Ecological System Analysis," *Western Political Science Association*.
- 2006 November, "Comparing Fire policy in Interior Alaska and the Yukon Territory: Policy Development and Change," *Third International Fire Ecology and Management Conference*.
- 2005 August, "Ecological Imperatives for Democratic Society: Metaphor and Model," *American Political Science Association*.
- 2005 August, "Science Strategies in Arctic Environmental Politics," *Association of Politics and Life Sciences*.
- 2005 March, "Interest Groups, Science, and Political Strategy: Analyzing the role of science to press claims on government," *Western Political Science Association*.
- 2004 August, "Re-evaluating the effects of common pool resource institutions: Socioecological capital," Jonathan Rosenberg co-author, *Tenth Biennial Global IASCP (International Association for the Study of Common Property) Conference*.
- 2004 May, "Interlocal Natural Resource Institutions in the Circumpolar North" *International Arctic Social Sciences Association 5th International Congress (ICASS V)*.
- 2004 April, "Transnational Water Quality and Subsistence Hunting: Modeling Interlocal Natural Resource Institutions Under Both Complex and Remote Conditions" *Midwest Political Science Association*.
- 2004 March, "Perceived Communities: Creating Institutions for Interlocal Natural Resource Cooperation" *Western Political Science Association*.
- 2003 September, "Policy Studies Leverage for Concerns of Long Term Ecological Resilience," Understanding Coupled Biophysical and Human Systems: Research Needs and Approaches Workshop at the *Long Term Ecological Resilience All Scientists Meeting*.
- 2003 August, "Sustainability of Common Arctic Resources through Transboundary Institutions," *International Association for the Study of Common Property, Northern Polar Regional Conference*.

Panel or Session Chair

- 2019 Chair, "Roundtable: Alaska Policy in America's Arctic Politics" *Western Political Science Association*, San Diego, 18 April.

- 2018-2019 Section Co-Chair for Environmental Political Theory Section of the *Western Political Science Association* 2019 meeting.
- 2014 May, Session Chair and moderator, “Climate Change, Gender, and Well-being in the Arctic” *International Conference of Arctic Social Sciences (ICASS 8)*.
- 2013 May, Workshop co-organizer, co-chair, co-moderator, presenter “Workshop on Climate Change Adaptation and Gender” Tromsø, 27-28 May.
- 2011 June, Session Chair “Human Dimensions of Change to Arctic Sea Ice” *International Conference of Arctic Social Sciences (ICASS 7)*.
- 2009 March Panel Chair “Animal Ethics, Public Policy and Political Theory” *Western Political Science Association*.
- 2007 March, Panel Co-Chair with Peter Schweitzer “International Collaboration for the International Polar Year” *Alaska Anthropological Association*.
- 2006 December, Panel Chair “Water Governance” *Institutional Dimensions of Global Environmental Change (IDGEC) Synthesis Conference*.
- 2005 October, Panel Co-Chair with Tun Mynt “Local, Regional, and International Institutions to Reduce Conflict and Increase Capacity for Restoration, Protection, and Usage of Transboundary Waters” *6th Open Meeting of the Human Dimensions of Global Environmental Change Research Community*.
- 2004 May, Session Chair “Science and Society in the Arctic” *International Arctic Social Sciences Association 5th International Congress (ICASS 5)*.
- Discussant or Moderator (see also moderation above)**
- 2018 Discussant, “Alaska’s Subsistence Ways of Life in the 21st Century” *On Land, Water and ice: Indigenous Societies and a Changing Arctic Symposium* of Hokkaido University Slavic-Eurasian Research Center 5-6 July.
- 2008 Moderator, “Good practices in local climate change adaptation: Youth and the Elderly” *Arctic Council Sustainable Development Working Group Workshop: Vulnerability and Adaptation to Climate Change in the Arctic*, 22-23 October, Tromsø, Norway.
- 2007 March, Discussant “Managing International Waters” *International Studies Association*.
- 2004 August, Discussant “Historical Analysis of Socio-ecological Systems” *Tenth Biennial Global IASCP (International Association for the Study of Common Property) Conference*.
- 2004 April, Discussant “Advocacy Coalitions and Networks II” *Midwest Political Science Association*.
- 2003 June, Moderator, “Effective Local Institutions: Trans-Boundary Comparisons,” Effective Local Institutions for Collective Action in Arctic Communities Conference at the *Annual Public Administration Theory Network Conference*.
- 2003 March, Discussant, “Revisiting Seminal Views of the Environment” *Western Political Science Association*.

Invited Talks

- 2018 Plenary Speaker “Arctic Futures – Generating Scenarios for Arctic 2050” *ArcticNet Science Meeting*, Ottawa, 11 December.
- 2018 Closing Speaker for *We the People Alaska State High School Championships*, 5 December.
- 2018 Speaker, “Legal framework and legislation concerning Indigenous people in Alaska” Hokkaido University Arctic Research Center, Japan, 3 July.
- 2018 Speaker “How does climate policy at the State and Federal level affect water resources research in Alaska?” *Alaska Water Resources Association*, Anchorage 11 April.
- 2017 Speaker, “Scenario Planning in the Arctic” *United States and Canada Northern Oil and Gas Research Forum* Anchorage 11-13 October.

- 2016 Speaker “Anticipatory Governance in Social-Ecological Systems: Researching Community Health and Sustainability in Arctic Alaska” at *Sustainability Science Centre Lecture Series*, University of Copenhagen, Denmark, 24 May.
- 2016 Plenary Speaker and panelist at *American Indian Workshop*, University of Southern Denmark, Odense, 25-28 May.
- 2016 Guest Instructor at Middlebury Monterey Institute of International Studies for graduate course *The Changing Arctic: Ecosystems, Economy, and Geopolitics*, Monterey, CA, 9 April.
- 2015 Speaker/Workshop participant “Scenarios Work on Alaska’s North Slope” *Arctic Futures Initiative Workshop*, IIASA, Laxenburg, Austria 1-3 December.
- 2014 Speaker “The Value of Scenarios for Arctic Futures: Facilitating Expert Dialog Across Scales and Interests” *The TransArctic Agenda Conference*, University of Iceland, 29-30 October.
- 2014 Speaker and working group member “Regional Scenarios Development in Alaska’s North Slope” Arctic Scenarios Workshop, *Arctic Monitoring and Assessment Programme and International Institute for Applied Systems Analysis (IIASA) Austria*, 19-20 May.
- 2013 Speaker “The Sea Ice System Services Framework” *White Arctic Blue Arctic Workshop*, Columbia University, 24-25 April.
- 2012 Speaker “North by 2020: Perspectives on Alaska’s Changing Social-Ecological Systems” University of Alaska Anchorage Bookstore, Anchorage, AK 13 March.
- 2012 Speaker “Gender, Well-being, and Climate Change in the Arctic” Institute of Social and Economic Research, University of Alaska Anchorage, Anchorage, AK 13 March.
- 2011 Speaker “U.S. Electoral Politics: What will happen in the 2012 elections?” University of Lapland, Finland, Faculty of Social Sciences 6 May.
- 2011 Speaker “Arctic Politics Across Scales: A Social-Ecological Approach to Rapid Change” University of Lapland, Finland, Arctic Centre 4 May.
- 2011 Speaker “Arctic Politics Across Scales: A Social-Ecological Approach to Rapid Change” University of Tromsø, Norway, *World Politics Seminar* 2 May.
- 2011 Speaker and Panelist, “Gender and Climate Change in the Arctic” Public Seminar: *Climate Change – Why Gender Matters*, Norwegian Ministry of Foreign Affairs, Oslo, 8 March.
- 2011 Speaker “Politics in social-ecological systems: A role for communities of practice in planning for sustainable civic society” CICERO, Oslo, 23 February.
- 2010 Speaker, “Politics in Socio-Ecological Systems: The Case of the Arctic in Transition” Public Lecture at Dartmouth College, 2 November.
- 2010 Panelist/Presenter, “Resilience Thinking and Policy Studies” *Annual Institute of Society of Policy Scientists*, 14-16 October, New Haven, CT.
- 2010 The Beaufort Sea Boundary Dispute: Identifying and Assessing Options, ArcticNet information-gathering workshop, 6 March, Anchorage, AK.
- 2008 Small Group Facilitator, “Synthesis and Final Discussion” *Workshop: Reducing environmental risks and impacts in Arctic coastal and offshore oil and gas exploration*, 12-14 November, Barrow, Alaska.
- 2008 Speaker, “Final Panel: Future Recommendations for the Arctic Council” *Arctic Council Sustainable Development Working Group, Workshop: Vulnerability and Adaptation to Climate Change in the Arctic*, 22-23 October, Tromsø, Norway.
- 2007 Speaker, “North by 2020: Polar Research & Community Vitality” *Alaska Municipal League 5th Annual Conference* 5-7 November, Fairbanks, Alaska.
- 2005 Participant, The 105th American Assembly, Columbia University U.S. - Canada Relations. 3-6 February, Arden House. Harriman, New York.
- 2004 Roundtable speaker: “Third Parties in American Politics.” Public panel at UAF organized by the Alaska Green Party, November 15.

2002 UAF Team Member, American Association of Colleges and Universities, *Liberal Education and Global Citizenship: The Arts of Democracy Conference*. 20-24 May, Washington DC.
2002 Speaker, "Creating Institutions for Interlocal Natural Resource Cooperation: Lessons from the Great Lakes" *Transboundary Environmental Management Conference* 4-7 May, Tampico, Tamaulipas, Mexico.

Select Professional, Public and University Service

2015 - 2019, 2008-2009 (*Ted Stevens*) *Alaska Legislative Internship Program* Coordinator at UAF
2018 - 2019, 2017-2018, 2015 - 2016 Chair, elected, Social Sciences Peer Unit

Ad hoc Peer Review: Books Routledge (2012, 2017), MIT Press (2010). Journal articles *Polar Geography* (2014, 2018), *The Polar Journal* (2017), *Ecology and Society* (2012, 2014, 2016, 2017), *Ambio* (2015, 2019), *Conservation Letters* (2013), *Review of Policy Research* (2011), *Environmental Practice* (2011), *Environmental Politics* (2010, 2009), *Journal of Political Science Education* (2009), *Arctic* (2009), *Quebec Studies* (2007), *Public Understanding of Science* (2006), *Urban Affairs* (2004), and *Public Performance and Management Review* (2003). One or more grant proposals Netherlands Research Council (NWO) (2014), Research Council of Norway (2013), U.S. National Science Foundation (NSF) (2005, 2011, 2014, 2016, 2019).

2019, Spring, Coach for We the People Alaska Team for WTP National competition

2018 Judge for We the People Alaska State High School Championship, 5 December.

2018 External reviewer of a promotion file for Drexel University

2018 External reviewer of a promotion and tenure file for Virginia Tech

2005 - 2018 *Osher Lifelong Learning Institute* Volunteer Instructor for short courses: Presidents and Midterm Elections (2018), American Federal Institutions (2017), American Elections (2016), Parties, Campaigns, and Elections (2015), Polar Politics (2014), U.S. Voting Rights (2014), The Presidential Campaign (2012), American Political Culture (2011), The First Amendment (2009), The Presidential Campaign (2008), The Supreme Court (2007), The American Presidency (2006), and Constitutional Law (2005).

2017 University of Alaska Strategic Pathways Review Team for Social and Physical Sciences

2018, 2016 Invited scholar/mentor for the Center for Civic Education James Madison Legacy Project, teacher training on American political development, Anchorage, 23 June; 6 June.

2015 - 2017, 2011 - 2013 member of UAF University-wide Promotion and Tenure committee (2 yr. term)

2013 - 2015 elected Faculty Senator at UAF (2 yr. term)

2013 - 2015 guest editor (with T. Chapin and G. Kofinas) for *Ecology and Society* edition "Pathways of Resilience in a Rapidly Changing Alaska"

2012 - 2013 Member, College of Liberal Arts Dean's Advisory Council

2011 - 2012 sole guest editor for *Polar Geography* double issue edition "The Human Geography of Arctic Sea Ice."

2011 Sabbatical Review Committee, College of Liberal Arts, UAF.

2002 - 2012 member of the Faculty Steering Committee for National Science Foundation *Interdisciplinary Graduate Education and Research Training program* (IGERT) in Resilience and Adaptation (RAP).

2011 Organized, presented in, and moderated panel discussion for the public outreach of book publication *North by 2020: Perspectives on Alaska's Changing Social-Ecological Systems* as sponsored by the UAF Chancellor and International Arctic Research Center, 14 December 2011

2006 - 2010 University of Alaska Social Science faculty member for the National Science Foundation EPSCoR Phase III

2008 U.S. State Department Project Lead for the Arctic Council Sustainable Development Working Group's project *Vulnerability and Adaptation to Climate Change in the Arctic*.

2008 Reviewer for National Science Foundation/Department of Defense grant competition "National Security, Conflict and Cooperation (NSCC)."

2008 Reviewer for Government of Canada grant competition *Conference Program Grant* and *Outreach Grant* proposals.

2008 - 2009 Symposium Organizer and Science Committee Chair for *INRA International Polar Year Symposium: Lessons from Continuity and Change*. Meeting held March 4-7, 2009.

2007- 2009, 2012, 2016, 2017 Panel Judge for West Valley High School American Government "We the People" Final Project.

2006 - 2007 Co-coordinator of the Annual Environmental Political Theory Workshop at the *Western Political Science Association*. Workshop held March 7, 2007.

2005 - 2008 Science Steering Committee Member for Center for Global Climate Change and Arctic Systems Research.

2003 - 2004 Organizational Committee Member for the *International Arctic Social Sciences Association 5th International Congress* (ICASS V).

2002 – 2005, 2006 – 2008 Elected representative for the Social Sciences on College of Liberal Arts Curriculum Council.