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Professional Preparation

University of Alaska Fairbanks	Oceanography	Ph. D., 2010
Reed College	Physics	B. A., 1999

Professional Appointments

2018 – present	Deputy Director, Alaska Center for Energy and Power
2018 – present	Research Associate Professor, Institute of Northern Engineering
2014 – present	co-Director, Pacific Marine Energy Center
2014 – present	Program Director, Alaska Hydrokinetic Energy Research Center
2012 – 2018	Research Assistant Professor, Institute of Northern Engineering
2012 – 2015	Guest Investigator, Department of Physical Oceanography, Woods Hole Oceanographic Institution
2013 – 2014	Assistant Director, Alaska Hydrokinetic Energy Research Center, University of Alaska Fairbanks
2011 – 2012	Postdoctoral Investigator, Department of Physical Oceanography, Woods Hole Oceanographic Institution,
2010 – 2011	Postdoctoral Scholar, Institute of Marine Science, University of Alaska Fairbanks
2001 – 2010	Graduate Research Assistant, School of Fisheries and Ocean Sciences, University of Alaska Fairbanks

Current Funded Projects

2018 – present	Alaska Hub for Energy Innovation and Deployment, <i>Office of Naval Research</i> , co-I.
2017 – present	Yakutat Wave Energy Converter Impact Assessment, <i>U.S. Bureau of Ocean Energy Management</i> , PI.
2017 – present	Central Beaufort Sea Wave and Hydrodynamic Modeling Study, <i>U.S. Bureau of Ocean Energy Management</i> , PI.
2017 – present	LTERR: Beaufort Sea Lagoons: An Arctic Coastal Ecosystem in Transition, <i>NSF</i> , co-I.
2017 – present	A Predictive Model for Arctic Coastal Erosion, <i>Sandia National Laboratory</i> , co-I.
2014 – present	Advanced Laboratory and Field Arrays (ALFA) for Marine Energy, <i>U.S. Department of Energy</i> , co-I.

Completed Projects

2013 – 2018	Capital Improvement Project to Develop Energy Solutions for Alaska, <i>State of Alaska</i> , co-I.
2017 – 2018	Improved Wave Energy Production Forecasts for Smart Grid Integration, <i>Sandia National Laboratory</i> , co-I.

- 2017 Northstar and Liberty Strudel Scour Surveys, *Hilcorp Alaska*, PI.
- 2016 – 2018 Development of a Very High-resolution Regional Circulation Model of Beaufort Sea Nearshore Areas, *Bureau of Ocean Energy Management*, co-I.
- 2014 – 2018 Development and testing of a Low-Cost Satellite-Tracked Ice Drifter for Arctic Alaska, *Bureau of Ocean Energy Management*, PI.
- 2016 – 2017 Next Generation MHK River Power System Optimized for Performance, Durability and Survivability *U.S. Department of Energy*, co-I.
- 2015 – 2017 Rapidly Installed Temporary Sensors for Storm Surge and Waves, *Alaska Ocean Observing System*, PI.
- 2015 – 2017 Beaufort Sea Water Level Sensors, *Alaska Ocean Observing System*, PI.
- 2015 Sea Ice Modeling and Measurements in Active Drilling Areas, *Alaska Legislature*, PI.
- 2015 Echoview Software Upgrade, *UAF Undergraduate Research and Scholarly Activity*, PI.
- 2014 – 2017 Arctic Nearshore Impact Monitoring in the Development Area (ANIMIDA III), *Bureau of Ocean Energy Management*, Chief Scientist.
- 2013 – 2016 Modeling in Support of the Yakutat Alaska Wave Energy Deployment, *Alaska Energy Authority*, PI.
- 2013 – 2016 Yakutat Wave Energy Resource Assessment, *City and Borough of Yakutat*, PI.
- 2014 – 2015 Field Research Sonar System to Characterize River and Marine Environments for study and analysis of energy production impacts, fisheries habitat and, and geologic processes, *M.J. Murdock Charitable Trust*, co-I.
- 2013 – 2016 Surface and Subsurface Debris Characterization and Mitigation Strategies and their Impact on the Operation of Hydrokinetic Devices on the Tanana River at Nenana, *Alaska Energy Authority*, co-I.
- 2012 – 2014 The effect of Sea Ice Mobility on Shelf Basin Exchange in the Alaskan Beaufort Sea, *North Pacific Research Board*, PI.

Service

- Reviewer for *Estuaries and Coasts*, *Geophysical Research Letters*, *Journal of Atmospheric and Oceanic Technology*, *Journal of Geophysical Research Oceans*, *Journal of Physical Oceanography*, *Progress in Oceanography*, *Shore and Beach*, NSF & USDA SBIR funding calls, NSER Canada, North Pacific Research Board, UAF Center for Global Change
- Subject Matter Expert and U.S. Shadow Committee Chair, International Electrotechnical Committee TC114 River Resource Assessment Standards Project Team
- U.S. Shadow Committee Member, International Electrotechnical Committee TC114 Power Performance of River Energy Converters Project Team
- Member of the U.S. Technical Advisory Group for IEC TC114
- Alaska Center for Energy and Power Leadership Team
- Session Chair, 2017 MTS/IEEE Oceans Meeting
- Session Chair, 2016 Ocean Sciences Meeting
- Session Chair, 2015 Arctic Energy Summit

Affiliations

- 2001 – present Member, American Geophysical Union
- 2011 – 2016 Member, American Meteorological Society

Recent Education and Outreach Experience

- 2017 Instructor for the “Engineering on Ice: Sea Ice Science and STEM Lessons” Professional Development Course, Education Department, University of Alaska Fairbanks

- 2015 – present Undergraduate Research Mentor, University of Alaska Fairbanks
 2014 – present Research Intern Supervisor, University of Alaska Fairbanks
 2015 – present Senior Design Project Supervisor, Department of Mechanical Engineering,
 University of Alaska Fairbanks
 2015 – 2016 Graduate Student Committee Member, Alaska Pacific University
 2014 – 2016 Graduate Student Mentor, Department of Civil and Environmental
 Engineering, University of Alaska Fairbanks
 2012 Summer Research Fellow Mentor, Woods Hole Oceanographic Institution

Manuscripts in Preparation

- Duvoy, P. X., J. L. Kasper and J. B. Johnson, *in prep.*, A gridding procedure for analyzing turbulent stresses for in- river hydrokinetic energy resource assessments.
 Kasper, J. L. and S. Moon, *in prep.*, Upwelling in the presence of landfast ice.
 Kasper, J. L., R. Pickart, T. J. Weingartner and A. Plueddemann, *in prep.*, Differences in upwelling response across the Beaufort shelf and slope in the presence of ice.
 Kasper, J. L., J. B. Johnson, P. X. Duvoy and J. Schmid, *in prep.*, Factors affecting the operation of river energy converters: hydrokinetic energy studies on the Tanana River, Alaska.

Published Research Products

1. Jones, B., et al., 2018, A decade of remotely sensed observations highlight complex processes linked to coastal permafrost bluff erosion in the Arctic, *Environmental Research Letters*, in press, <https://doi.org/10.1088/1748-9326/aae471>.
2. Kasper, J.L., A.R Mahoney, A.R., Winsor, P., 2018. Ice Tracking drifters deployed on nearshore ice near Barrow, AK, Chukchi Sea, 2015-03-26 to 2017-09-27 (NCEI Accession 0173716). Version 1.1. NOAA National Centers for Environmental Information. Dataset. doi:10.25921/MAY6-VC95 [access date: 9/21/2018]
3. Kasper, J.L., A.R. Mahoney, J. Arsenau, P. Winsor, A. Sybrandy, E. Dobbins and B. Irving, 2017. IceTrackers: low-cost tracking of sea ice in remote environments. Fairbanks (AK): US Department of the Interior, Bureau of Ocean Energy Management. OCS Study BOEM 2017-076. 47 p.
4. Curchitser, E.N., K. Hedstrom, S. Danielson and J. Kasper, 2017. Development of a Very High-Resolution Regional Circulation Model of Beaufort Sea Nearshore Areas. Fairbanks (AK): US Department of the Interior, Bureau of Ocean Energy Management. OCS Study BOEM 2018-018. 81 p.
5. Kasper J., K. Dunton, S. Schonberg, J. Trefry, B. Bluhm, G. Durell S. Wisdom, and J. Blank, 2017, Arctic Nearshore Impact Monitoring in Development Area (ANIMIDA) III: Contaminants, Sources, and Bioaccumulation. U.S. Dept. of the Interior, Bureau of Ocean Energy Management, Alaska OCS Region, Anchorage, AK. OCS Study BOEM 2013-032. 280 pp.
6. Kasper, J., K. H. Dunton, B. A. Bluhm, J. H. Trefry, G. Durell, S. Wisdom, S. Libby, S. Schonberg, and T. Whiteaker, 2017, Ecosystem monitoring information collected from Norseman II in Beaufort Sea for the ANIMIDA III project from 2014-07-31 to 2015-08-12 (NCEI Accession 0162530). Version 1.1. NOAA National Centers for Environmental Information. Dataset. doi:10.7289/V5VQ30R3
7. *Tschetter, T.**, J. L. Kasper and P. X. Duvoy, 2016, Yakutat Area Wave Resource Assessment, Final Report to the Alaska Energy Authority, 37 pp.
8. Kasper, J. L. and S. Moon, 2016, The effect of sea ice mobility on shelf basin exchange in the Alaskan Beaufort Sea, Final Report to the North Pacific Research Board, 55 pp.
9. Kasper, J. L. and P. Shipton, 2015 in “Arctic Nearshore Impact Monitoring in a Development Area – III (ANIMIDA III) 2015 Field Report,” Olgoonik Fairweather eds., 32 pp. Available from http://arcticstudies.org/animida_iii/docs.html.

10. Kasper, J. L. and T. J. Weingartner, 2015, The spreading of a buoyant river plume beneath a landfast ice cover, *J. Phys. Oceanogr.*, 45, 478–494. doi: <http://dx.doi.org/10.1175/JPO-D-14-0101.1>.
 11. Kasper, J. L., M. Savoie and J. Trefry, 2015, ANIMIDA III Spring 2015 Survey Report, Olgoonik Fairweather eds., 10 pp.
 12. Kasper, J. L., J. B. Johnson, P. X. Duvoy, N. Konefal, and J. Schmid, 2015, A Review of Debris Detection Methods, Northwest National Marine Renewable Energy Center, U. S. Department of Energy Report, 15 pp.
 13. Johnson, J. B., J. L. Kasper, J. Schmid, P. X. Duvoy, A. Kulchitsky, M. Mueller-Stoffels, N. Konefal, and A. C. Seitz, 2015, Surface Debris Characterization and Mitigation Strategies and their Impact on the Operation of River Energy Conversion Devices on the Tanana River at Nenana, Alaska, Alaska Center for Energy and Power, Alaska Hydrokinetic Energy Research Center, Final Report to the Alaska Energy Authority, 39 pp.
 14. Johnson, J. B., J. L. Kasper, N. Hansen, P. Duvoy and J. Schmid, 2015, The effects of river and debris diversion structure generated turbulence on the Oceana river energy converter, Proceedings of the 3rd Marine Energy Technology Symposium (METS), Washington D. C., National Hydropower Association.
 15. Kasper, J. L. and P. Sipton, 2014, in “Arctic Nearshore Impact Monitoring in a Development Area – III (ANIMIDA III) 2014 Field Report” eds., Olgoonik Fairweather 32 pp. Available from http://arcticstudies.org/animida_iii/docs.html.
 16. Johnson, J. B., J. Schmid, J. L. Kasper, P. X. Duvoy and A. C. Seitz, 2014, Protection of In-river Hydrokinetic Power Generating Devices from Surface Debris in Alaskan Rivers, Final Report to the Denali Commission and the Alaska Energy Authority, 61 pp.
 17. Kasper, J., and T. J. Weingartner, 2012, Modeling winter circulation under landfast ice: The interaction of winds with landfast ice, *J. of Geophys. Res.* 117, C04006, pp 14, doi:10.1029/2011JC007649.
 18. Kasper, J., 2010, Idealized Modeling of Circulation Under Landfast Ice, Ph.D. Thesis, University of Alaska Fairbanks, 212 pp.
 19. Weingartner, T. and J. L. Kasper, 2010, Idealized Process Model Studies of Circulation in the Landfast Ice Zone of the Alaskan Beaufort Sea, Final Report, University of Alaska Coastal Marine Institute Final Report, CMI Contract 1435-01-02-CA-85294.
 20. Weingartner, T., S. Danielson, J. L. Kasper and S. Okkonen, 2009, Circulation and water property variations in the nearshore Alaskan Beaufort Sea (1999-2007), Final Report, Minerals Management Service Contract M03PC00015.
 21. Weingartner, T., and J. L. Kasper, 2008, Idealized process model studies of circulation in the landfast ice zone of the Alaskan Beaufort Sea, University of Alaska Coastal Marine Institute Annual Report No. 15.
 22. Weingartner, T. and J. L. Kasper, 2007, Idealized process model studies of circulation in the landfast ice zone of the Alaskan Beaufort Sea, University of Alaska Coastal Marine Institute Annual Report No. 14.
- *-Indicates Student Author

Published Conference Abstracts

- A1. Hedstrom, K., S. Danielson, E. Curchitser, J. Kasper, 2018, Arctic Ice-Ocean Circulation Modeling: Recent Improvements and Applications, Ocean Sciences Abstracts.
- A2. Hedstrom, K., S. Danielson, J. Kasper, E. Curchitser, 2018, Arctic Ice-Ocean Circulation Modeling: Recent Improvements and Applications, Alaska Marine Science Symposium Abstracts.
- A3. Konefal, N., J. Kasper, P. Duvoy, S. Jump and A. Seitz, 2017, The 2016 Season at the Tanana River Test Site, Marine Energy Technology Symposium Abstracts.

- A4. Aliseda, A., A. Bagi, J. Johnson, P. Duvoy, J. Kasper, A. Kulchitsky and A. Montlaur, 2017, Simulating Debris Impacts on Hydrokinetic Infrastructure, Marine Energy Technology Symposium Abstracts.
- A5. Kasper, J., J. Blank, K. Dunton, B. Bluhm, C. Coon, G. Durell, K. Iken, A. Ravelo, S. Schonberg, J. Trefry and T. Whiteaker, 2017, An Integrated Look at the Alaskan Beaufort Sea, Alaska Marine Science Symposium Abstracts.
- A6. P. Winsor, J. Kasper, A. Mahoney and A. Sybrandy, 2017, IceTrackers, Alaska Marine Science Symposium Abstracts.
- A7. Hedstrom, K., S. Danielson, E. Curchister, J-F. Lemieux and J. Kasper, 2016, A High-Resolution Model of the Beaufort Sea Circulation, American Geophysical Union Fall Meeting Abstracts.
- A8. Duvoy, P., *T. Tschetter** and J. Kasper, 2016 A Wave Resource Assessment for Yakutat, Alaska, American Geophysical Union Fall Meeting Abstracts.
- A9. Kasper, J., A. Kulchitsky, J. Johnson, P. Duvoy, Discrete Element Method Simulations of the Interactions of Woody Debris with Hydrokinetic Energy Infrastructure, American Geophysical Union Fall Meeting Abstracts.
- A10. Kasper J., J. Trefry, A. Fox, S. Fox, G. Lawley, R. Trocine and P. Shipton, 2016, The 2015 Spring Freshet and Its Effects on the Alaskan Beaufort Sea, Ocean Sciences Abstracts.
- A11. Hedstrom, K., S. Danielson, E. Curchister, J-F. Lemieux and J. Kasper, 2016, A High-Resolution Model of the Beaufort Sea Circulation, Ocean Sciences Abstracts.
- A12. Trefry, J., R. Trocine, A. Fox, S. Fox, G. Durell, J. Kasper, 2016, Discriminating between natural and anthropogenic features of the sedimentary record in the coastal Beaufort Sea, Ocean Sciences Abstracts.
- A13. Mahoney, A., J. Kasper and P. Winsor, 2016, Multiyear ice transport and small scale sea ice deformation near the Alaska coast measured by air-deployable Ice Trackers, Alaska Marine Science Symposium Abstracts.
- A14. Kasper J., J. Trefry, B. Bluhm, K. Dunton, G. Durell, D. Holiday, M. Savoie, S. Schonberg, T. Whiteaker, and S. Wisdom, 2016, Arctic Nearshore Impact Monitoring in a Drilling Area III (ANIMIDA III), Alaska Marine Science Symposium Abstracts.
- A15. Mahoney, A., J. Kasper and P. Winsor, 2015, Multiyear ice transport and small scale sea ice deformation near the Alaska coast measured by air-deployable Ice Trackers, American Geophysical Union Fall Meeting Abstracts.
- A16. Kasper, J. and *T. Tschetter**, 2015, Observations of waves off Yakutat's Cannon Beach, Alaska Marine Science Symposium Abstracts.
- A17. Kasper, J. and S. Moon, 2015, Up- and down- welling in the Beaufort Sea, Alaska Marine Science Symposium Abstracts.
- A18. Johnson, J.B., J. Kasper, J. Schmid, P. Duvoy, T. Ravens, N. Hansen and A. Montlaur, 2014 Alaskan wave and river hydrokinetic energy resource assessment, river energy converter testing and surface debris mitigation performance, AGU Fall Meeting Abstracts.
- A19. Johnson, J.B., J. Schmid, P. Duvoy and J. Kasper, 2014, Strategies to mitigate the effects of woody debris on river energy converter technologies, Marine Energy Technology Symposium.
- A20. Kasper, J., 2014, Shelfbreak upwelling in the presence of landfast ice, Ocean Sciences Meeting Abstracts.
- A21. Winsor, P., T. Weingartner, J. Kasper, H. Statscewich and R. Potter, 2014 High-Resolution Hydrography of The Northeastern Chukchi Sea From AUV Gliders And Towed CTD Surveys – The Alaska Coastal Current, Upwelling And Fronts, Ocean Sciences Meeting Abstracts.

- A22. Kasper, J., 2014 Shelfbreak upwelling in the presence of landfast ice, Alaska Marine Science Symposium Abstracts.
- A23. Kasper, J., Response of the Beaufort shelf and slope to wind forcing for varying ice conditions, 2013, Alaska Marine Science Symposium Abstracts.
- A24. Kasper, J., R. Pickart and T. Weingartner, 2012 Impact of ice cover on wind-forced exchange in the Alaskan Beaufort Sea, Ocean Sciences Meeting Abstracts.
- A25. Kasper, J. and T. Weingartner, 2011, The spreading of a buoyant river plume beneath a landfast ice cover, American Meteorological Society 11th Conference on Polar Meteorology and Oceanography Abstract, <http://ams.confex.com/ams/11Polar/webprogram/Paper189246.html>.
- A26. Kasper, J. and T. Weingartner, 2011, The spreading of a buoyant river plume beneath a landfast ice cover, Alaska Marine Science Symposium Abstract, page 115.
- A27. Kasper, J. and T. Weingartner, 2010. Modeling the effects of buoyancy and winds on circulation under landfast ice, Ocean Sciences Meeting Abstracts.
- A28. Kasper, J. and T. Weingartner, 2009, Modeling Circulation in the Landfast Ice Zone, Alaska Marine Science Symposium Abstracts, page 210.
- A29. Kasper, J. and T. Weingartner, 2008, Modeling circulation in the landfast ice zone, Ocean Sciences Meeting Abstracts, page 201.
- A30. Kasper, J., T. Weingartner, and S. Danielson, 2007, Modeling circulation in the landfast ice zone, Alaska Marine Science Symposium Abstract Book, page 29.
- A31. Kasper, J. and T. Weingartner, 2006, Modeling circulation in the landfast ice zone, *Eos Trans. AGU*, Fall Meet. Suppl., Abstract C33B-1269.
- *-Indicates Student Author*

Recent Professional Presentations

- P1. "Power from Water Panel", Panel Chair, Rural Energy Conference, Fairbanks, AK, April 2018
- P2. "Hydrokinetic Energy: a New Hydropower Market", Invited Panelist, National Hydropower Association Alaska Regional Meeting, Girdwood, AK, September, 2017
- P3. "Emerging Hydrokinetic Energy Markets in Alaska", Invited Panelist, Ocean Renewable Energy Conference, Portland, OR, September, 2017
- P4. "ALFA Task 1: Debris Modeling, Detection, & Mitigation", Oral Presentation, Annual NNMREC Meet, Portland, OR, Sept. 2017
- P5. "Yakutat Wave Energy Project Update," Oral Presentation, Annual NNMREC Meet, Portland, OR, Sept. 2017
- P6. "Simulating Debris Impacts on Hydrokinetic Infrastructure," Poster Presentation, Marine Energy Technology Symposium, Washington, D.C., April 2017
- P7. "The 2016 Season at the Tanana River Test Site," Poster Presentation, Marine Energy Technology Symposium, Washington, D.C., April 2017
- P8. "IceTrackers: low-cost tracking of sea ice in remote environments", Oral Presentation, Coastal Marine Institute Annual Review, Anchorage, AK, January 2017
- P9. "IceTrackers," Poster Presentation, Alaska Marine Science Symposium, Anchorage, AK., January 2017
- P10. "An integrated look at the Alaska Beaufort Sea", Invited Speaker, Alaska Marine Science Symposium, Anchorage, AK, January 2017
- P11. "TRTS 2016 Activities," Oral Presentation, Annual NNMREC Meeting, Sept. 2016
- P12. "ALFA Task 1: Debris Modeling, Detection and Mitigation," Oral Presentation, NNMREC Annual Meeting, Portland, OR, Sept. 2016
- P13. "Alaska Center for Energy and Power, Hydrokinetic Energy in Alaska," Oral Presentation, Alaska Miner's Conference, Fairbanks, AK, 2016.

- P14. "Update on Hydrokinetic Energy Projects in Alaska," Oral Presentation, Alaska Miner's Conference, Fairbanks, AK, 2016.
- P15. "Hydrokinetics in Alaska", Oral Presentation, AWRA Annual Alaska Meeting, Anchorage, AK, 2016
- P16. "IceTrackers: low-cost tracking of sea ice in remote environments", Oral Presentation, CMI Annual Review, Anchorage, AK, 2016.
- P17. "Yakutat Wave Project Update" Oral Presentation, U.S. Army Corps of Engineers, In Progress Review, Yakutat, AK, Nov. 2015.
- P18. "Yakutat Area Wave Resource Assessment," Oral Presentation, NNMREC Annual Meeting, Portland, OR, Sept. 2015.
- P19. "ALFA Task 1: Debris Modeling, Detection and Mitigation," Oral Presentation, NNMREC Annual Meeting, Portland, OR, Sept. 2015.
- P20. "Research and knowledge sharing as paths towards economic opportunity," TED Talk, Arctic Energy Summit, Fairbanks, AK 2015
- P21. "National Marine Fisheries Hydrokinetics Intro," Invited presentation to the National Marine Fisheries Hydropower Working Group, July, 2015.
- P22. "Hydrokinetic Energy in Alaska," Oral Presentation, Alaska Forum on the Environment, Anchorage, AK, Feb. 2015
- P23. "IceTrackers: low-cost tracking of sea ice in remote environments," Oral Presentation, Coastal Marine Institute Annual Review, Anchorage, AK, Jan. 2015.
- P24. "NNMREC in Alaska," Congressional Briefing, Washington, D.C., Nov. 2014
- P25. "The Tanana River Test Site," Oral Presentation, Northwest National Marine Renewable Energy Center Annual Meeting, Seattle, WA, Oct., 2014.
- P26. "The Alaska Hydrokinetic Energy Research Center," Invited Panelist, Oregon Marine Technology Symposium, Newport, OR, Oct., 2014.
- P27. "Update on the Alaska Hydrokinetic Energy Research Center Activities," Oral Presentation, Rural Energy Conference, Fairbanks, AK, Sept., 2014.
- P28. "The Alaska Hydrokinetic Energy Research Center," Invited Panelist, Global Marine Renewable Energy Conference, Seattle, WA, May, 2014.
- P29. "The Alaska Hydrokinetic Energy Research Center," Invited Panelist, Business of Clean Energy Conference, Anchorage, AK, May, 2014.
- P30. "Is Hydrokinetic Energy Generation Feasible in Alaska?," Oral Presentation, Undergraduate Research Symposium, UAF, April, 2014.
- P31. "ACEP: Results-Driven Research for Alaska," Alaska House Energy Committee, Juneau, AK, Feb., 2014.
- P32. "AHERC's Tanana River Test Site," Oral Presentation, U.S. Army Corps of Engineers Coastal and Hydraulics Laboratory, Vicksburg, MS, Nov., 2013.
- P33. "Yakutat Area Wave Assessment," Oral Presentation, U.S. Army Corps of Engineers Coastal and Hydraulics Laboratory, Vicksburg, MS, Nov., 2013.
- P34. "The Yakutat Area Wave Assessment," Invited Speaker, U.S. Army Corps of Engineers In Progress Review Yakutat, AK, Oct., 2013.
- P35. "Impact of the ice cover on wind-forced exchange in the Alaskan Beaufort Sea," Invited Speaker, University of Alaska, Institute of Northern Engineering and International Arctic Research Center, March, 2012.
- P36. "Impact of the ice cover on wind-forced exchange in the Alaskan Beaufort Sea," Poster Presentation, 15th Annual Arctic Ocean Model Inter-comparison Workshop, Woods Hole Oceanographic Institution, Nov., 2011.
- P37. "Reanalysis Data Set for the Western Arctic & Labrador Sea," Oral Presentation, WHOI Western Arctic Working Group, May, 2011.

- P38. "Circulation, Cross-shelf Exchange, Sea Ice, and Marine Mammal Habitat on the Alaskan Beaufort Sea Shelf," Oral Presentation, WHOI Western Arctic Working Group, March, 2011
- P39. "Idealized Modeling of Circulation Under Landfast Ice," Physical Oceanography Seminar, Woods Hole Oceanographic Institution, January, 2011.
- P40. "Physical Oceanographic Studies of An Arctic Shelf Sea," Oral Presentation, Woods Hole Oceanographic Institution, Post-doctoral Research Symposium, November, 2010.
- P41. "Idealized Modeling of Circulation Under Landfast Ice," Ph.D. Defense, University of Alaska Fairbanks, November, 2010.
- P42. "Modeling the Effects of a Landfast Ice Cover on Arctic Shelf Circulation", Oral Presentation, Ocean Sciences Meeting, February, 2010.
- P43. "Modeling the Effects of a Landfast Ice Cover on Arctic Shelf Circulation", Oral Presentation, Institute of Marine Science Seminar, February, 2010.
- P44. "Modeling circulation in the landfast ice zone", Poster, Gordon Research Conference on Coastal Ocean Circulation, June, 2009.
- P45. "Modeling the Effects of Wind Stress and Sea Ice on Arctic Coastal Circulation", Oral Presentation, UA Computational Science Symposium, February, 2009.