

# Philip R. Thompson

Curriculum Vitae

Department of Oceanography  
School of Ocean and Earth Science and Technology  
University of Hawai'i at Mānoa

University of Hawai'i Sea Level Center  
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## Education

Ph.D. Physical Oceanography, University of South Florida, 2012.

*Dissertation:* Sea surface height: A versatile climate variable for investigations of decadal change.

*Committee:* Gary T. Mitchum (major professor), Gary S. E. Lagerloef, R. Steven Nerem, Mark A. Merrifield, Don P. Chambers, Robert H. Weisberg.

B.S. Physics, *Magna Cum Laude*, North Carolina State University, 2004.

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## Professional History

*Assistant Professor*, University of Hawai'i, School of Ocean and Earth Science and Technology, Department of Oceanography, February 2018 – present.

*Director*, University of Hawai'i Sea Level Center, Joint Institute for Marine and Atmospheric Research, University of Hawai'i, February 2018 – present.

*Associate Director*, University of Hawai'i Sea Level Center, Joint Institute for Marine and Atmospheric Research, University of Hawai'i, January 2014 – January 2018.

*Assistant Researcher*, University of Hawai'i Sea Level Center, Joint Institute for Marine and Atmospheric Research, University of Hawai'i, January 2012 – December 2013.

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## Peer-Reviewed Articles

**2018** Thompson, P. R., M. A. Merrifield, M. J. Widlansky, J. M. Becker, and J. J. Marra (2018), Nuisance flooding in Honolulu, HI during the 21st century, *Manuscript in preparation*.

Thompson, P. R., C. G. Piecuch, M. A. Merrifield (2018), Wind-driven hemispheric asymmetry in Pacific sea level trends, *Manuscript in preparation*.

Thompson, P. R., M. A. Merrifield, , E. Leuliette, W. Sweet, D. P. Chambers, B. D. Hamlington, S. Jevrejeva, J. J. Marra, G. T. Mitchum, R. S. Nerem, and M. J. Widlansky (2018). [Global Ocean] Sea level variability and change in "State of the Climate in 2017", *Submitted to Bulletin of the American Meteorological Society*.

Merrifield, M. A. and P. R. Thompson (2018), Interdecadal climate variations in the Pacific: Distinctions between the tropics and extratropics inferred from sea level, *Submitted to Geophysical Research Letters*.

Hamlington, B. D., A. Burgos, P. R. Thompson, F. W. Landerer, C. G. Piecuch, S. Adhikari, L. Caron, J. T. Reager, E. R. Ivins (2018), Observation-Driven Estimation of the Spatial Variability of 20th Century Sea Level Rise, *In press. Journal of Geophysical Research – Oceans*.

**2017** Natarov, S., M. A. Merrifield, J. M. Becker, and P. R. Thompson (2017), Regional influences on reconstructed global mean sea level, *Geophysical Research Letters*, doi:10.1002/2016GL071523.

- Thompson, P. R.**, M. A. Merrifield, , E. Leuliette, W. Sweet, D. P. Chambers, B. D. Hamlington, S. Jevrejeva, J. J. Marra, G. T. Mitchum, and R. S. Nerem (2017). [Global Ocean] Sea level variability and change in “State of the Climate in 2016”, *Bulletin of the American Meteorological Society*, doi:10.1175/2017BAMSSStateoftheClimate.1.
- 2016** Piecuch, C. G., **P. R. Thompson**, K. A. Donohue (2016), Air pressure effects on sea level changes during the Twentieth Century, *Journal of Geophysical Research – Oceans*, doi:10.1002/2016JC012131.
- Han W., G. Meehl, D. Stammer, A. Hu, B. Hamlington, J. Kenigson, H. Palanisamy, **P. Thompson** (2016), Spatial Patterns of Sea Level Variability Associated With Natural Internal Climate Modes, *Surveys in Geophysics*, doi:10.1007/s10712-016-9386-y.
- Thompson, P. R.**, B. D. Hamlington, F. W. Landerer (2016), Are long tide gauge records in the wrong place to measure global sea level rise?, *Geophysical Research Letters*, doi:10.1002/2016GL070552.
- Thompson, P. R.**, C. G. Piecuch, M. A. Merrifield, J. P. McCreary, E. Firing (2016). Forcing of recent decadal variability in the Equatorial and North Indian Ocean, *Journal of Geophysical Research – Oceans*, doi:10.1002/2016JC012132.
- Hamlington, B. D., **P. R. Thompson**, W. C. Hammond, G. Blewitt, and R. D. Ray (2016), Assessing the impact of vertical land motion on 20th century global mean sea level estimates, *Journal of Geophysical Research – Oceans*, doi:10.1002/2016JC011747.
- Hamlington, B. D., S. H. Cheon, **P. R. Thompson**, M. A. Merrifield, R. S. Nerem, R. R. Leben, and K.-Y. Kim (2016), An ongoing shift in Pacific Ocean sea level, *Journal of Geophysical Research – Oceans*, doi:10.1002/2016JC011815.
- Merrifield, M. A., **P. R. Thompson**, E. Leuliette, G. T. Mitchum, D. P. Chambers, S. Jevrejeva, R. S. Nerem, M. Menéndez, W. Sweet, B. D. Hamlington, and J. J. Marra (2016). [Global Ocean] Sea level variability and change in “State of the Climate in 2015”, *Bulletin of the American Meteorological Society*, 97 (8), S80-S82.
- 2015** Hamlington, B. D., **P. R. Thompson** (2015). Considerations for Estimating the 20th Century Trend in Global Mean Sea Level, *Geophysical Research Letters*, doi:10.1002/2015GL064177.
- Hamlington, B. D., R. R. Leben, K.-Y. Kim, R. S. Nerem, L. P. Atkinson, **P. R. Thompson** (2015). The Effect of the El Niño-Southern Oscillation on Coastal and Regional Sea Level in the United States, *Journal of Geophysical Research – Oceans*, doi:10.1002/2014JC010602.
- Merrifield, M. A., **P. R. Thompson**, E. Leuliette, G. T. Mitchum, D. P. Chambers, S. Jevrejeva, R. S. Nerem, M. Menéndez, W. Sweet, B. D. Hamlington, and J. J. Marra (2015). [Global Ocean] Sea level variability and change in “State of the Climate in 2014”, *Bulletin of the American Meteorological Society*, 96 (7), S82-S85.
- 2014** **Thompson, P. R.** and G. T. Mitchum (2014). Coherent sea level variability on the North Atlantic western boundary, *Journal of Geophysical Research – Oceans*, doi:10.1002/2014JC009999.
- Thompson, P. R.**, M. A. Merrifield, J. R. Wells, and C. M. Chang (2014), Wind-driven coastal sea level variability in the Northeast Pacific, *Journal of Climate*, doi:10.1175/JCLI-D-13-00225.1.
- Thompson, P. R.**, and M. A. Merrifield (2014). A unique asymmetry in the pattern of recent sea level change, *Geophysical Research Letters*, doi:10.1002/2014GL061263.

- Merrifield, M. A., **P. R. Thompson**, E. Leuliette, R. S. Nerem, B. Hamlington, D. P. Chambers, G. T. Mitchum, K. McInnes, J. J. Marra, M. Menéndez, and W. Sweet (2014). [Global oceans] Sea level variability and change in “State of the Climate in 2013”, *Bulletin of the American Meteorological Society*, 95 (7), S71-S73.
- 2013 Thompson, P. R.**, G. T. Mitchum (2013). Variability of winter storminess in the eastern United States during the 20th century from tide gauges. *Journal of Climate*, doi:10.1175/JCLI-D-12-00561.1.
- Merrifield, M. A., **P. R. Thompson**, R. S. Nerem, D. P. Chambers, G. T. Mitchum, M. Menéndez, E. Leuliette, J. J. Marra, W. Sweet, and S. Holgate (2013). [Global Oceans] Sea level variability and change in “State of the Climate in 2012”, *Bulletin of the American Meteorological Society*, 94 (8), S68-S72.
- 2012 Merrifield, M. A., P. R. Thompson**, M. Lander (2012). Multidecadal sea level anomalies and trends in the western tropical Pacific. *Geophysical Research Letters*, doi:10.1029/2012GL052032.

### Other Professional Products and Activities

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Invited participant in the International Space Science Institute’s team entitled *Towards a Unified Sea Level Record: Assessing the Performance of Global Mean Sea Level Reconstructions from Satellite Altimetry, Tide Gauges, Paleo-Proxies and Geophysical Models* (2017-2018)

Technical contributor to the 4th U.S. National Climate Assessment (NCA4) for the Hawai’i and U.S.-Affiliated Pacific Islands region.

Designed and developed a new website for the University of Hawai’i Sea Level Center during 2016:  
<http://uhslc.soest.hawaii.edu>

Developed and maintains a global mean sea level index for the Climate.gov Climate Dashboard:  
<https://www.climate.gov/news-features/understanding-climate/climate-change-global-sea-level>

Currently overseeing and contributing to a redesign of the database used to archive and serve data sets provided by the University of Hawai’i Sea Level Center.

Lead author of sea level section in the BAMS State of the Climate Report for 2016 and 2017. Co-author for 2012-2015.

Convened/Co-convened sea level change sessions in the Geodesy Section at AGU Fall Meetings (2013-2017).

Participant in the biennial WMO/IOC Global Sea Level Observing System (GLOSS) Group of Experts (2013, 2015, 2017).

Referee for various publications including *Journal of Physical Oceanography*, *Earth and Planetary Science Letters*, *Climate Dynamics*, *Journal of Atmospheric and Oceanic Technology*, *Journal of Climate*, *Geophysical Research Letters*, *Journal of Oceanography*, *Journal of Geophysical Research – Oceans*, *Journal of Geophysical Research – Solid Earth*.

### Presentations

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- 2018 [Invited] Thompson, P. R.** (2018), Local and remote processes causing coastal sea level variability related to climate modes, *ISSI workshop on Understanding the relationship between coastal sea level and large-scale ocean circulation*, Bern, Switzerland.

- Thompson, P. R.** (2018), Nuisance flooding in Honolulu, HI during the 21st century, *AGU Ocean Sciences Meeting*, Portland, OR.
- [Invited] **Thompson, P. R.** (2018), Sea Level: Current knowledge, gaps, and challenges, *Understanding Flooding on Reef-lined Island Coasts (UFORIC) Workshop*, Honolulu, HI.
- 2017 Thompson, P. R.** (2017), Nu'a Kai (piled ocean): Record breaking Hawai'i sea levels during 2017 and future implications, *University of Hawai'i, Department of Oceanography Seminar*, Honolulu, HI.
- Thompson, P. R., M. A. Merrifield** (2017), The University of Hawai'i Sea Level Center, *University of Hawai'i, Department of Oceanography Seminar*, Honolulu, HI.
- Yoon, H., M. A. Merrifield, **P. R. Thompson**, M. Widlansky (2017), Real-time response: Contributions to clear-sky flooding in Hawai'i, April 2017, *OOMD Community Workshop*, Silver Spring, MD.
- Thompson, P. R.** (2017), Swimming on the dock of the bay: Higher tides and clear-sky flooding in Hawai'i, *Haunama Bay Community Lecture Series*, Honolulu, HI.
- Thompson, P. R., C. G. Piecuch, M. A. Merrifield, J. P. McCreary, E. Firing** (2017), Recent decadal sea level variability in the Equatorial and North Indian Ocean, *NASA JPL Seminar*, Pasadena, CA.
- Thompson, P. R.** (2017), Recent coastal flooding in Hawai'i: Causes and implications, *Elevated Water Level, Waikiki Special Briefing*, Hilton Hawai'ian Village, Honolulu, HI.
- 2016 Thompson, P. R., M. Widlansky, M. Merrifield, J. Becker, J. Marra** (2016), Communicating forecasts and risks of coastal flooding, *Island Sustainability Conference*, University of Guam, Guam.
- Thompson, P. R., M. Widlansky, M. Merrifield, J. Becker, J. Marra** (2016), Diagnosing and communicating the effect of climate variability on the frequency of coastal inundation, *PICSC mini-symposium*, Honolulu, HI.
- Thompson, P. R., G. T. Mitchum** (2016), Pacific Island Tide Gauges and the Global Sea Level Observing System (GLOSS), *JCOMM Second Pacific Islands Training Workshop on Ocean Observations and Data Applications (PI-2)*, IRD Centre, Nouméa, New Caledonia
- Thompson, P. R., C. G. Piecuch, M. A. Merrifield, J. P. McCreary, E. Firing** (2016), Forcing of decadal variability in subsurface temperature and sea surface height north of 5°S in the Indian Ocean, *ECCO-Production, ECCO-IcES, and Friends: Joint Project Meeting*, MIT, Cambridge, MA.
- Thompson, P. R., B. D. Hamlington, F. W. Landerer, S. Adhikari** (2016) Are long tide gauge records in the wrong place to measure global sea level rise? *NASA Ocean Surface Topography Team Meeting*, La Rochelle, France.
- Mitchum, G. T., B. D. Hamlington, D. S. Masters, M. A. Merrifield, R. S. Nerem, **P. R. Thompson** (2016), Vertical land motion errors at the tide gauges and sensitivity of altimeter drift estimates to these errors, *NASA Ocean Surface Topography Team Meeting*, La Rochelle, France.
- Nerem, R. S., J. Fasullo, B. D. Hamlington, D. S. Masters, M. A. Merrifield, R. S. Nerem, **P. R. Thompson**, B. D. Beckley (2016) Has the Rate of Sea Level Rise Accelerated During the Altimeter Era? *NASA Ocean Surface Topography Team Meeting*, La Rochelle, France.

- Hamlington, B. D., S. Cheon, **P. R. Thompson**, M. A. Merrifield, R. S. Nerem, R. Leben (2016), An Ongoing Shift in Pacific Ocean Sea Level, *NASA Ocean Surface Topography Team Meeting*, La Rochelle, France.
- Thompson, P. R.**, C. G. Piecuch, M. A. Merrifield, J. P. McCreary, E. Firing (2016). Forcing of recent decadal variability in the Equatorial and North Indian Ocean, *NASA Ocean Surface Topography Team Meeting*, La Rochelle, France.
- Nerem, R. S., J. Fasullo, B. D. Hamlington, D. S. Masters, M. A. Merrifield, R. S. Nerem, **P. R. Thompson**, B. D. Beckley (2016) Has the Rate of Sea Level Rise Accelerated During the Altimeter Era? *AGU Fall Meeting*, San Francisco, CA.
- Merrifield, M. A., **P. R. Thompson** (2016) Indo-Pacific sea level variability at multidecadal time scales, *AGU Fall Meeting*, San Francisco, CA.
- Cheon, S., B. D. Hamlington, **P. R. Thompson**, M. A. Merrifield, R. S. Nerem, R. Leben (2016), An Ongoing Shift in Pacific Ocean Sea Level, *AGU Fall Meeting*, San Francisco, CA.
- Kumar, P., B. D. Hamlington, **P. R. Thompson**, W. Han (2016), Uncovering the Anthropogenic Sea Level Change using an Improved Sea Level Reconstruction for the Indian Ocean, *AGU Fall Meeting*, San Francisco, CA.
- Donohue, K. A., C. G. Piecuch, **P. R. Thompson** (2016), Air pressure effects on sea level changes during the Twentieth Century, *AGU Fall Meeting*, San Francisco, CA.
- Thompson, P. R.**, C. G. Piecuch, M. A. Merrifield, J. P. McCreary, E. Firing (2016), Forcing of recent decadal variability in the Equatorial and North Indian Ocean, *AGU Fall Meeting*, San Francisco, CA.
- 2015 Thompson, P. R.**, B. D. Hamlington (2015) Considerations for Estimating the 20th Century Trend in Global Mean Sea Level, *Workshop on Global and Regional Sea Level Variability and Change*, Palma de Mallorca, Spain.
- Thompson, P. R.** (2015) JIMAR Science Overview: Sea Level and Climate, *JIMAR Science Review Session*, Honolulu, HI.
- Landerer, F. W., **P. R. Thompson** (2015) Recent and future sea level changes in the Eastern Pacific and US West-Coast: new insights from observations and CMIP5 models, *IUGG General Assembly*, Prague, Czech Republic.
- Thompson, P. R.**, M. A. Merrifield (2015) A reversal of decadal trends in the Equatorial and North Indian Ocean, *University of Hawai'i, Department of Oceanography Seminar*, Honolulu, HI.
- Thompson, P. R.**, B. D. Hamlington, F. W. Landerer (2015) 20th century sea level rise: What do we (not) know?, *University of South Florida, College of Marine Science Seminar*, St. Petersburg, FL.
- Thompson, P. R.**, M. A. Merrifield, J. P. McCreary (2015) A recent increase in the rate of Northern and Tropical Indian Ocean sea level change, *IO Sea Level Science Workshop*, CSIR-NIO, Goa, India.
- 2014 Thompson, P. R.** (2014) An introduction to sea level and its variations, *Hawai'i Institute of Marine Biology Climate Science Workshop*, Coconut Island, HI.
- 2013 Thompson, P. R.** (2013) A rising concern: How sea level at your beach affects what we know about global sea level rise, *Hanauma Bay Community Lecture Series*, Honolulu, HI.

- Thompson, P. R.**, G. T. Mitchum, C. Vonesch, J. Li (2013) Wind-driven coastal sea level variability in the Northeast Pacific, *NASA Ocean Surface Topography Science Team Meeting*, Boulder, CO.
- Merrifield, M. A., **P. R. Thompson** (2013) Western Pacific sea level and winds, *Permanent Service for Mean Sea Level 80th Anniversary Workshop*, Liverpool, United Kingdom.
- Thompson, P. R.**, M. A. Merrifield (2013) Recent rates of coastal sea level change in the Northeast Pacific, *Permanent Service for Mean Sea Level 80th Anniversary Workshop*, Liverpool, United Kingdom.
- Thompson, P. R.**, M. A. Merrifield (2013) Variability of winter storminess in the eastern United States during the 20th century from tide gauges, *American Geophysical Union Fall Meeting 2013*, San Francisco, CA.
- Thompson, P. R.**, M. A. Merrifield (2013) Observation-based projections of regional sea level change: Eastern Pacific, *Ocean Sciences Meeting 2014*, Honolulu, HI.
- 2012 Thompson, P. R.**, G. T. Mitchum (2012), Low-frequency coastal sea level along the Americas, *Ocean Sciences*, Salt Lake City, Utah.
- Thompson, P. R.** (2012), Introduction to sea level and its variations, *IOC-GLOSS-IOCARIBE-CARIBE-EWS 3rd Caribbean Training Course for Operators of Sea Level Stations*, Merida, Mexico.
- Thompson, P. R.** (2012), Quality control and sea level data analysis, *IOC-GLOSS-IOCARIBE-CARIBE-EWS 3rd Caribbean Training Course for Operators of Sea Level Stations*, Merida, Mexico.
- Lagerloef, G., S. Springer, C. Jiang, K. Dohan, G. T. Mitchum, **P. R. Thompson** (2012) Twenty years of Satellite Altimetry: Understanding the Decadal Variability in the North Pacific Ocean - Overview, *20 Years of Progress in Radar Altimetry*, Venice, Italy.
- Thompson, P. R.** (2012), Sea surface height: A versatile climate variable for investigations of decadal change, *Physical Oceanography Dissertation Symposium*, Lihue, Hawai'i.
- Thompson, P. R.** (2012), Recent sea level trends in the North Pacific and 20th century context, *University of Hawai'i, Department of Oceanography Seminar Series*, Honolulu, Hawai'i.
- Mitchum, G. T., **P. R. Thompson**, M. A. Merrifield (2012) Sea Level Change: Is the Volume of the Ocean Changing or Is It Redistributing? *American Geophysical Union Fall Meeting 2012*, San Francisco, CA. (Invited)
- Thompson, P. R.**, G. T. Mitchum, C. Vonesch, J. Li (2012) Variability of winter storminess in the eastern United States during the 20th century from tide gauges, *American Geophysical Union Fall Meeting 2012*, San Francisco, CA.
- 2011 Thompson, P. R.**, G. T. Mitchum, M. A. Merrifield (2011), Decadal variability in sea level rise rates, *European Geosciences Union General Assembly 2011*, Vienna, Austria.
- 2010 Thompson, P. R.**, G. T. Mitchum (2010), 20th Century variability in winter storminess along the Storm of the Century track from tide gauges, *University of South Florida Graduate Student Symposium*, Tampa, FL.
- Thompson, P. R.**, G. T. Mitchum (2010), Coherent decadal sea level variability across gyre boundaries in the North Atlantic, *American Geophysical Union Fall Meeting 2010*, San Francisco, CA.

- Thompson, P. R., G. T. Mitchum (2010)**, Coherent sea level variability in the North Atlantic, *USF College of Marine Science Graduate Student Symposium*, St. Petersburg, FL.
- Thompson, P. R., G. T. Mitchum (2010)**, Coherent sea level variability in the North Atlantic, *GLOSS meeting*, Paris, France.
- 2009** Mitchum, G. T., **P. R. Thompson (2009)**, *Gulf of Mexico Sea Level Conference*, Baton Rouge, LA.
- Mitchum, G. T., **P. R. Thompson (2009)**, *NASA Sea Level Conference*, Austin, TX.
- Thompson, P. R., G. T. Mitchum (2009)**, 20th Century variability in winter storminess along the Storm of the Century track from tide gauges, *USF College of Marine Science Graduate Student Symposium*, St. Petersburg, FL.
- 2003** **Thompson, P. R., J. D. Brown (2003)**, Rotational instability of neutron stars, *REU Summer Research Poster Session*, Raleigh, NC, North Carolina State University.

### Awards and Honors

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- NOAA nomination for the Presidential Early Career Award for Scientists and Engineers (PECASE), 2017 [*Recipients to be determined*]
- JGR-Oceans Editors' Citation for Excellence in Refereeing, 2016
- Sackett Prize for Innovative Research, 2015
- Commencement speaker, University of South Florida Graduate School, 2012
- Von Rosenstiel Fellowship, College of Marine Science, USF, 2005
- REU Summer Research Fellowship, North Carolina State University, 2003

### Press (Selected)

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- Eos Research Spotlight* (2016)  
<https://eos.org/research-spotlights/tide-gauge-records-may-underestimate-20th-century-sea-level-rise>
- NASA News* (2016)  
<https://sealevel.nasa.gov/news/63/tide-gauge-records-might-underestimate-sea-level-rise>
- Hakai Magazine* (2016)  
<https://www.hakaimagazine.com/article-short/biased-tide-gauges-mean-weve-been-systematically-underestimating-sea-level-rise>
- CLIVAR Research Spotlight* (2016)  
<https://usclivar.org/research-highlights/long-tide-gauge-records-may-underestimate-global-sea-level-rise>
- oceanbites.com* (2016)  
<http://oceanbites.org/tide-records-could-have-underestimated-global-sea-level-rise/>
- Motherboard on vice.com* (2016)  
<http://motherboard.vice.com/read/nasa-scientists-suggest-weve-been-underestimating-sea-level-rise>
- accuweather.com* (2016)  
<http://www.accuweather.com/en/weather-blogs/climatechange/20th-century-global-sea-level/60936063>
- Wired Magazine Science Graphic of the Week* (2014)  
<http://www.wired.com/2014/11/science-graphic-week-strange-patterns-emerge-rising-sea-levels/>

## Teaching

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OCN 490 Communication of Research Results, Spring 2018

Helped supervise the research activities of UH Oceanography graduate students: Chantel Chang, Svetlana Natarov, Alyssa Augustin, and Hyang Yoon

Physical Oceanography, Teaching Assistant for Gary Mitchum, Fall 2007.

Physical Oceanography, Teaching Assistant for Gary Mitchum, Fall 2009.

Private tutor in various subjects including Calculus, Chemistry, Physics, 2004-2011.

## Education and Outreach

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Various interviews for local news outlets concerning elevated water levels around the state (May-July 2017), e.g.,

<http://www.hawaiinewsnow.com/story/35512999/lifeguards-and-waikiki-hotels-gear-up-for-king-tide-impact>

<http://www.kitv.com/story/35950902/king-tides-ruled-again-on-weekend>

<https://www.pressreader.com/usa/honolulu-star-advertiser/20170622/281479276416351>

<https://www.pressreader.com/usa/honolulu-star-advertiser/20170719/281517931175010>

Lecturer for Hanauma Bay Community Lecture Series (June 2017).

Volunteer for Schmidt Ocean Institute (SOI) Artist-at-Sea Program (February 2017)

Radio interview on *All Things Marine* for episode entitled *Special 50th Episode – Where Are They Now?*. Aired 16 August 2016 on Hawai'i's Tomorrow 760 AM.

Trainer for WMO/IOC Second Pacific Islands Training Workshop on Ocean Observations and Data Applications, New Caledonia (May 2016).

Conducted panel on inundation forecasts for Pacific Islands at the 2016 Island Sustainability Conference at the University of Guam (April 2016).

Judge for Marine Advanced Technology Education (MATE) underwater robotics competition for area high schools, Honolulu, HI (May 2015, May 2016).

Chosen to create a 3-min video as an example of how to present research for a public audience. This video was done as a part of the NSF-funded C-MORE project (2015).

<http://www.hawaii.edu/news/2015/04/02/uh-manoa-collaborates-on-tools-for-science-communicators/>

Lecturer for the Hawai'i Institute of Marine Biology Climate Science Workshop (June 2014).

Lecturer for Hanauma Bay Community Lecture Series (September 2013).

2013 Hawai'i Association of Independent Schools District Science Fair Judge

Radio interview for segment on Pacific sea level change. The program aired April 2013 on Australian Broadcasting Corporation.

Radio interview on *All Things Marine* for episode entitled *Elevating a Hot Topic: Climate Change and Sea Level Rise*. Aired 19 March 2013 on Hawai'i's Tomorrow 760 AM.

2013 Hawai'i State Science Fair Judge

2013 Ocean Expo volunteer for COSEE Island Earth and the Hawai'i Institute of Marine Biology