

# Curriculum Vitae

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James T. Potemra  
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Hawaii Institute of Geophysics and Planetology and  
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## 1. Education

- 1998 Ph.D., Oceanography, University of Hawaii
- 1990 M.S., Oceanography, Florida State University
- 1986 B.S., Physics, Stevens Institute of Technology

## 2. Appointments

- 2017-pres. Specialist, Hawaii Institute of Geophysics and Planetology (HIGP), University of Hawaii
- 2016-pres. Co-operating Graduate Faculty, Department of Oceanography, University of Hawaii
- 2013-pres. Affiliate faculty, Hawaii Pacific University
- 2010-pres. Manager, Asia-Pacific Data Research Center (APDRC), IPRC, University of Hawaii
- 2012-2017 Associate Specialist with tenure, Hawaii Institute of Geophysics and Planetology (HIGP), University of Hawaii
- 2008-2012 Assistant Specialist, Hawaii Institute of Geophysics and Planetology (HIGP), University of Hawaii
- 2001-2008 Assistant Researcher, International Pacific Research Center (IPRC), University of Hawaii
- 1999-2001 Research Associate, Post-doctoral, School of Oceanography, University of Washington
- 1998-1999 Post-doctoral Researcher, International Pacific Research Center (IPRC), University of Hawaii
- 1992-1998 Graduate Assistant, Department of Oceanography, University of Hawaii
- 1990-1992 Senior Scientist, Hughes STX Corporation, NASA/GSFC
- 1988-1990 NASA Traineeship, Department of Oceanography, Florida State University
- 1986-1988 Associate Staff, Atlantic Research Corporation, DTRC

## 3. Publications

- 2021 M. R. Chowdhury and J. T. Potemra. Hazards Management in the face of changing climate: Evidence from US Affiliated Pacific Islands. *Met. Atm. Phys.*, submitted.
- 2021 Melnichenko, O., P. Hacker, J. Potemra, T. Meissener and F. Wentz: Aquarius/SMAP sea surface salinity optimum interpolation analysis, *IPRC Tech. Note 7*, 26 pp.

- 2020 Yi, D. L., O. Melnichenko, P. Hacker, and J. Potemra: Remote sensing of sea surface salinity variability in the South China Sea. *J. Geophys. Res.-Oceans*, **125** (12), doi:[10.1029/2020JC016827](https://doi.org/10.1029/2020JC016827).
- 2019 K. Brignac, M. Jung, C. King, L. Blickley, J. T. Potemra and J. Lynch. Marine debris polymers on main Hawaiian Island beaches, sea surface, and seafloor. *Env. Sci. and Tech.* **53**(21), 12,218-12,226.
- 2019 Vance, T. C., M. Wengren, E. Berger, D. Hernandez, T. Kearns, E. Medina-Lopez, N. Merati, K. O'Brien, J. O'Neil, J. T. Potemra, R. P. Signell and K. Wilcox. From the Oceans to the Cloud: Opportunities and Challenges for Data, Models, Computation and Workflows. *Frontiers in Mar. Sci.*, 6:221. doi: 10.3389/fmars.2019.0021.
- 2019 Potemra, J. T. The Seas of Southeast Asia. *Encyclopedia of Ocean Sciences (Third Edition)*; J. Kirk Cochran, Henry J. Bokuniewicz and Patricia Yager, Editors. Academic Press. pp 455-468. doi:10.1016/B978-0-12-409548-9.11301-6

#### 4. Awards

University of Hawaii Presidential Award for Outstanding Service, 2020  
Nominated for Board of Regents' Excellence in Teaching Award, 2014  
Editor's Citation for Excellence in Refereeing, Geophysical Research Letters, 2008  
University of Hawaii Graduate Student Organization (GSO) Travel Award, 1998  
Achievement Rewards for College Scientists (ARCS) Scholarship Award, 1997/98  
Student Travel for Achievement in Research (STAR), Best Talk 1995  
J. Watumull Merit Scholarship 1995  
President, Nakamakai (Graduate Student Organization) 1994-95  
AGU Student Travel Grant 1994  
NASA Traineeship 1988 and 1989  
Johns Hopkins Applied Physics Laboratory Scholarship 1982 to 1986  
Maryland State Scholarship 1982

#### 5. Professional Societies

American Geophysical Union  
American Meteorological Society  
Hawaii Academy of Sciences  
The Oceanography Society

#### 6. Research Statement

My research broadly involves the role of the ocean in climate variability. Most recent efforts have focused on the tropical and subtropical Pacific, and include a combination of model analysis and in-situ measurements. I'm presently involved in managing the monitoring node of the WMO Regional Climate Center (RCC) for the Pacific (RA-V), as well as several observing programs such as the Hawaii Ocean Time-series (HOT) and the ALOHA Cabled Observatory (ACO).