

## DEEPAK A. CHERIAN

- Education**
- 2016: Ph.D., MIT-WHOI Joint Program in Oceanography, Physical Oceanography  
Dissertation: When an eddy encounters shelf-slope topography.
  - 2010: M.Tech., Ocean Engineering, Indian Institute of Technology, Kharagpur.
  - 2010: B.Tech. (Hons.), Ocean Engineering & Naval Architecture,  
Indian Institute of Technology, Kharagpur.
- Positions**
- 2017 Jan – Present: Research Associate (Post-Doc), Oregon State University
  - 2016 Sep – 2017 Jan: Postdoctoral Investigator, Woods Hole Oceanographic Institution
  - 2010–2016: Graduate research assistant, Massachusetts Institute of Technology  
& Woods Hole Oceanographic Institution
  - 2009 May–July: Research intern, Earth and Planetary Sciences, John Hopkins University
  - 2008 May–July: Research intern, Center for Ocean-Atmosphere Prediction Studies,  
Florida State University
  - 2007 May–July: Research intern, National Institute of Oceanography, Goa, India
- Articles**
- Cherian, D.A. and Brink, K.H. “Shelf flows forced by deep-water anticyclonic eddies at the shelfbreak” (submitted to Journal of Physical Oceanography)
  - Cherian, D.A. and Brink, K.H. (2016) “Offshore Transport of Shelf Water by Deep-Ocean Eddies.”, Journal of Physical Oceanography 46 (12): 3599–3621
  - Brink, K.H. and Cherian, D.A. (2013) “Instability of an idealized tidal mixing front: Symmetric instabilities and frictional effects.”  
Journal of Marine Research 71 (6): 425–450.
  - Haine, T.W.N. and Cherian, D.A. (2013) “Analogies of Ocean/Atmosphere Rotating Fluid Dynamics with Gyroscopes: Teaching Opportunities.”  
Bull. Amer. Meteor. Soc. 94: 673–684.
  - Cherian, D.A., Farrar, J.T. and Durland, T.S. (in prep., available on request)  
“The upper-ocean vertical structure of 7-day period inertial-gravity waves in the equatorial Pacific.”

Talks and Posters	“Shelf flows forced by mesoscale eddies at the shelfbreak” 2017 : Gordon Research Seminar and Conference - Coastal Ocean Dynamics
	“Offshore export of shelf water by deep ocean eddies” 2017 : National University of Taiwan, Oregon State University 2016 : Indian Institute of Science, AGU Ocean Sciences Meeting
	“Arresting an eddy’s cross-isobath translation” 2016 : Oregon State University, Massachusetts Institute of Technology 2015 : Gordon Research Conference and Seminar - Coastal Ocean Modeling
Fieldwork	2017 Feb: <i>R/V Roger Revelle</i> , South China Sea, programmed and deployed underway CTDs, helped recover Slocum gliders
	2014 July: <i>R/V Tioga</i> , off Martha’s Vineyard — Helped create cruise plan. Programmed CTDs and ADCP. Deployed and recovered miniBAT (towed body), mooring, ADCP and surface drifters.
	2013 Nov: <i>R/V Roger Revelle</i> , Bay of Bengal — Deployed and recovered underway CTDs (uCTDs).
	2011 July: <i>SSV Corwith Cramer</i> , Middle Atlantic Bight continental shelf — CTD and plankton net deployments.
Additional Training	2014 Coastal and Estuarine Field Methods Summer School, Woods Hole Oceanographic Institution
	2013 Teaching Certificate Program, Massachusetts Institute of Technology
	2012 Estuarine and Coastal Fluid Dynamics Summer School, University of Washington Friday Harbor Laboratories
Outreach & Service	Reviewer for Geophysical Research Letters, Journal of Marine Research and Journal of Physical Oceanography.
	Conducted rotating tank lab demonstrations for broad audience (public, scientists, students — graduate and K-12) at WHOI GFD Open Days, 2013.
Awards	2010 Institute Silver Medal, Indian Institute of Technology, Kharagpur for exceptional academic performance in department.
	2008 Hem Raut Award, Indian Institute of Technology, Kharagpur for exceptional academic performance in department.

**Teaching**     2017 Winter Term: Guest Lecture for “Geophysical Waves” ,  
                         Oregon State University

2014 Fall semester: Teaching Assistant, “Observational Physical Oceanography”  
                         (graduate level course), MIT & WHOI.

2013 Jan: Lecturer, “Physical Oceanography”,  
                         WHOI Winter Semester for Undergraduates.

2012 Jan: Teaching Assistant, “Physical Oceanography”,  
                         WHOI - British Petroleum course.

**References**    Dr. Kenneth H. Brink (WHOI, thesis advisor)

                         Prof. Emily Shroyer (OSU, postdoctoral advisor)

                         Dr. Steve Lentz (WHOI)

                         Prof. James N. Moum (OSU)