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DEEPAK A. CHERIAN

- Education** 2016: Ph.D., MIT-WHOI Joint Program in Oceanography
Dissertation: When an eddy encounters shelf-slope topography.
Advisor: Kenneth H. Brink.
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, MIT & WHOI
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** **in progress**
Cherian, D.A., Farrar, J.T. and Durland, T.S. (in prep.) “The upper-ocean vertical structure of 7-day period inertial-gravity waves in the equatorial Pacific.”
Cherian, D.A. and Brink, K.H. (in prep.) “Shelf flows forced by an anticyclone at the shelfbreak”
Cherian, D.A. (in revision) “Arresting an anticyclone’s cross-isobath translation.”, *Journal of Physical Oceanography*
- 2016**
Cherian, D.A. and Brink, K.H. “Offshore Transport of Shelf Water by Deep-Ocean Eddies.”, *Journal of Physical Oceanography* 46 (12): 3599–3621
- 2013**
Brink, K.H. and Cherian, D.A. “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. “Analogies of Ocean/Atmosphere Rotating Fluid Dynamics with Gyroscopes: Teaching Opportunities.”
Bull. Amer. Meteor. Soc. 94: 673–684.

Talks

- 2017 Feb: “Offshore export of shelf water by deep ocean eddies”
Institute of Oceanography
National University of Taiwan, Taipei, Taiwan
- 2016 Oct: “Arresting an eddy’s cross-isobath translation.”
Physics of the Ocean and Atmosphere Seminar,
College of Earth, Ocean and Atmospheric Sciences,
Oregon State University, Corvallis, OR
- 2016 Aug: “When an eddy encounters shelf-slope topography.”
Department Seminar, Center for Atmospheric and Oceanic Sciences,
Indian Institute of Science, Bengaluru, India
- 2016 Mar: “Eddy vs. shelf-slope topography.”
MIT Sack Lunch Seminar,
Massachusetts Institute of Technology, Cambridge, MA.
- 2016 Feb: “How eddies at the shelfbreak permanently export shelf water.”
AGU Ocean Sciences Meeting, New Orleans, LA.
- 2015 June: “Cross-isobath motion of eddies across slopes.”
Gordon Research Seminar, Coastal Ocean Modeling, Biddeford, ME.

Posters

- 2015 June: “Cross-isobath motion of eddies across slopes.”
Gordon Research Conference, Coastal Ocean Modeling, Biddeford.
- 2013 June: “Dynamics of the flood tide jet through Cattle Pass.”
Gordon Research Conference, Coastal Ocean Circulation, Biddeford.

Fieldwork

- 2017 Feb: *R/V Roger Revelle*, South China Sea, programmed and deployed underway CTDs, helped recover Slocum gliders
- 2014 July: *R/V Tioga*, 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: *R/V Roger Revelle*, Bay of Bengal — Deployed and recovered underway CTDs (uCTDs).
- 2011 July: *SSV Corwith Cramer*, Mid-Atlantic Bight — 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
- Awards** 2010 Institute Silver Medal, Indian Institute of Technology, Kharagpur for highest ranked graduate in department.
 2008 Hem Raut Award, Indian Institute of Technology, Kharagpur for highest ranked student in department.
- Teaching** 2017 Winter Term: Guest Lecture for “COURSE NAME” , 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 (BP) course.
- Outreach & Service** Reviewer for Geophysical Research Letters, Journal of Marine Research.
 Conducted rotating tank lab demonstrations for broad audience (public, scientists, students — graduate and K-12) at WHOI GFD Open Days, 2013.