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EDUCATION

- Sept 1982 Oregon State University, College of Oceanography, Corvallis, Oregon.
Dec 1987 Ph.D. in Physical Oceanography, December 1987. Thesis advisor: Roland A. de Szoek. Thesis title: Response to wind stress and heating in the north Pacific surface layer.
Sept 1978 University of Michigan, College of Engineering, Ann Arbor, Michigan
May 1982 B.S.E. in Engineering Science with honors, May 1982.

EXPERIENCE

- Oct 2008 Chair, Department of Oceanography, Naval Postgraduate School
July 2008 Professor of Oceanography, Naval Postgraduate School, Monterey, California
July 1997 Associate Professor of Oceanography, Naval Postgraduate School, Monterey, California;
June 2008 Adjunct Associate Professor, University of California Santa Cruz. Instructor for graduate-level oceanography courses. Researcher using shore-based HF radar.
July 1991 Assistant Professor of Oceanography, Naval Postgraduate School, Monterey, California.
June 1997
Jan 1991 Assistant Research Oceanographer, Scripps Institution of Oceanography, La Jolla,
June 1991 California. Conducted research using satellite-tracked drifters to study the horizontal structure of temperature and current in the northeast Pacific Ocean. Served as Global Drifter Center manager for the World Ocean Circulation Experiment (WOCE).
Dec 1987 Postdoctoral Research Oceanographer, Scripps Institution of Oceanography, La Jolla,
Jan 1991 California. Conducted research using satellite-tracked drifters to study offshore-flowing, cold-water jets off the coast of California and horizontal current and temperature structure in the northeast Pacific Ocean.
Sept 1982 Graduate Research Assistant, Physical Oceanography, Oregon State University,
Dec 1987 Corvallis. Conducted research in air-sea interaction using upper-ocean measurements of currents and temperatures and surface meteorological observations. Presented results (oral and written) at internationally attended conferences.
May 1980 Research Assistant, Great Lakes Environmental Research Laboratory, Ann Arbor, MI.
Aug 1982 Performed computer programming and field duties in support of research on the circulation of the Great Lakes and dispersion of oil and toxic chemicals.
Jan 1980 Research Assistant, Dept. of Atmospheric and Oceanic Sciences, Univ. of Michigan.
May 1980 Assisted in data reduction of current meter records from Lake Erie surf zone.

AWARDS/NATIONAL COMMITTEES

- Feb 2009 President, Monterey Bay Crescent Ocean Research Consortium (MBCORC)
Dec 2008 Associate Editor, AMS Journal Atmospheric and Oceanic Technology
April 2008 Named to California Ocean Protection Council's (OPC) Science Advisory Team
March 2008 Monterey Bay National Marine Sanctuary Annual Regional Science Award Recipient
Dec 2005 President, Central & N. Cal. Ocean Observing System (CeNCOOS) Governing Council
Dec 2004 Named as member of the CA Marine Life Protection Act Science Advisory Team
Sept. 2003 Chair, Ocean.US Surface Current Mapping Initiative Steering Committee
Nov 2001 Member, Ocean.US Community Workshop Steering Committee
Aug 1997 Editor's Excellence in Reviewing Award, Journal Geophysical Research
Jan 1997 AMS Committee on Meteorology & Oceanography of the Coastal Zone
1994 Teaching (Oct) and Research (April) Recognition Awards, Naval Postgraduate School
Dec 1986 Best Student Paper Award for Oceanography AGU Fall Meeting

SELECTED PUBLICATIONS IN REFEREED JOURNALS

- Kaplan, D. M., C. Halle, J. Paduan, and J. L. Largier, 2009: Surface currents during anomalous upwelling seasons off central California. *J. Geophys. Res.*, doi:10.1029/2009JC005382.
- Laws, K. D.M. Fernandez, and J.D. Paduan, 2000: Simulation-Based Evaluations of HF Radar Ocean Current Algorithms. *J. Oceanic Engin.*, **25**, 481-491.
- Laws, K., J.D. Paduan, and J. Vesecky, 2010: Estimation and assessment of errors in high-frequency radar ocean current measurements. *J. Oceanic and Atmos. Tech.*, **27**, 10.1175/2009JTECHO658.1.
- Lipphardt, B.L. Jr., A.D. Kirwan, Jr., C.E. Grosch, J.K. Lewis, and J.D. Paduan, 2000: Blending HF radar and model velocities in Monterey Bay through normal mode analysis. *J. Geophys. Res.*, **105**, 3425-3450.
- Niiler, P.P., and J.D. Paduan, 1995: Wind-driven motions in the northeast Pacific as measured by Lagrangian drifters. *J. Phys. Oceanogr.*, **25**, 2583-2594.
- Paduan, J.D., and M.S. Cook, 1997: Mapping surface currents in Monterey Bay with CODAR-type HF radar. *Oceanography*, **10**, 49-52.
- Paduan, J.D., R.A. deSzoeko, and R.A. Weller, 1989: Inertial Oscillations in the Upper Ocean during the Mixed Layer Dynamics Experiment (MILDEX). *J. Geophys. Res.*, **94**, 4835-4842.
- Paduan, J.D., and H.C. Graber, 1997: Introduction to high frequency radar: Reality and myth. *Oceanography*, **10**, 36-39.
- Paduan, J.D., K.C. Kim, M.S. Cook, and F.P. Chavez, 2006: Calibration and validation of direction-finding high frequency radar ocean surface current observations. *IEEE J. Oceanic Engin.*, 10.1109/JOE.2006.886195, 862-875.
- Paduan, J.D., P.-M. Kosro, and S.M. Glenn, 2004: A national coastal ocean surface current mapping system for the United States. *Marine Tech. Soc.*, **38**, 102-108.
- Paduan, J.D., and L.K. Rosenfeld, 1996: Remotely sensed surface currents in Monterey Bay from shore-based HF radar (CODAR). *J. Geophys. Res.*, **101**, 20669-20686.
- Paduan, J.D., and I. Shulman, 2004: CODAR data assimilation in the Monterey Bay area. *J. Geophys Res.*, **109**, C07S09, doi: 10.1029/2003JC001949.
- Petruncio, E.T., L.K. Rosenfeld, and J.D. Paduan, 1998: Observations of the internal tide in Monterey Submarine Canyon. *J. Phys. Oceanogr.*, **28**, 1873-1903.
- Pickett, M., and J.D. Paduan, 2003: Wind stress curl and related upwelling in the California Current System from high resolution COAMPS reanalysis fields. *J. Geophys Res.*, **108**, 25-1 to 25-10.
- Ramp, S.R., J.D. Paduan, I. Shulman, J. Kindle, F.L. Bahr, and F.P. Chavez, 2004: Observations of upwelling and relaxation events in the northern Monterey Bay during August 2000. *J. Geophys. Res.*, In Press.
- Shulman, I., S. Haddock, D. McGillicuddy, J. Paduan, and P. Bissett, 2003: Numerical modeling of bioluminescence distributions in the coastal ocean. *J. Oceanic & Atmos. Tech.*, **20**, 1060-1068.
- Shulman, I., and J.D. Paduan, 2008: Assimilation of HF radar-derived radials and total currents in the Monterey Bay area. *Deep-Sea Res.*, Special AOSN Issue, In Press.