

Research Scientists

Advanced Research Scientists

USC

Dr. Alan Bratkovich joined the Ocean Physics Group in 1983 as a Research Assistant Professor following completion of his Ph.D. at Scripps Institution of Oceanography. Sadly, he passed away several years ago. He had been a researcher at the Great Lakes Environmental Research Laboratory and held an Adjunct Assistant Professor position with the University of Michigan in Ann Arbor.

Professor Libe Washburn joined the Ocean Physics Group as a Research Assistant Professor in 1985 following postdoctoral work at Scripps Institution of Oceanography. He is now a Professor at the University of California, Santa Barbara. While at USC, he studied subduction and transport processes during the Coastal Transition Zone experiment off central California, isopycnal mixing in the North Pacific, and dispersion and mixing of effluent from an ocean outfall.

Professor Robert Stavn was a visiting scientist in 1986. He is a Professor of Biology at the University of North Carolina and is affiliated with the Naval Research Laboratory. He studies marine optics including Raman scattering and radiative transfer.

Professor Timothy Granata joined our group in 1989 following completion of his Ph.D. at the University of California at Berkeley. He analyzed Biowatt mooring data sets, particularly focusing on mesoscale and inertial scale variability. He also worked on biological-physical problems concerning zooplankton in relation to turbulent motions during a study of marine aggregates in a turbulent flow. He received a fellowship from the Spanish government and spent several years at the Instituto De Ciencias Del Mar in Barcelona, Spain where he worked on fronts and eddies in the Mediterranean. He is now a Professor at Ohio State University.

Dr. Margaret Stramska received her Ph.D. from the University of Gdansk, Poland. She joined our group in 1990 and was responsible for some of the analysis of mooring data sets collected during MLML south of Iceland. She is now a Research Scientist at USC.

Dr. Isabelle Taupier-Letage received her Ph.D. from the University of Marseille and was a visiting scientist with our group during the 1991-1992 academic year. She is a Research Scientist with CNRS (French equivalent of NSF) and Centre d'Océanologie de Marseille and an Adjunct Professor at the University of Marseille, in Marseille, France. We collaborated on a study of biogeochemical fluxes funded by CNRS/NSF involving a mooring which was deployed in the Mediterranean in 1993.

Professor Bao-Shi Shiau was a visiting scientist with our group for the 1992-1993 year academic year. He is a Professor at National Taiwan University. He developed marine pollution models while at USC.

UCSB

Dr. Joe McNeil received his Ph.D. from UCSB in Mechanical and Environmental Engineering. His thesis involved an experimental flume used to study the erosion of contaminated sediments as a function of applied shear stress and depth within the waters of the Great Lakes. He worked with the Bermuda Testbed Mooring data sets along with the ONR Coastal Mixing and Optics data sets from 1996-1998. Joe is presently researching sediment transport at UCSB.

Dr. Laura Dobeck received her Ph.D. in physical chemistry from Cornell University. She used lasers to study reaction dynamics of small molecules in the gas phase. Laura studied bio-optics as part of the BTM and SIMBIOS programs. She is now a Research Professor in the Department of Chemistry at the University of Adelaide, Australia.

Dr. Xuri Yu received his Ph.D. from the University of Washington. While at UW, he studied physical oceanography focusing on the tropical Pacific. He is presently working on the Bermuda Testbed Mooring and LOOPS data sets.

Dr. Xiaobing Zheng received his Ph.D. from the Chinese Academy of Sciences in physical optics. His focus is on *in situ* bio-optical measurements as they relate to ocean color remote sensing.

Dr. Grace Chang Received her Ph.D. from UCSB in physical and bio-optical interactions. Studies of time scales of bio-optical variability associated with physical processes on the Mid-Atlantic Bight continental shelf: July 1996 - June 1997 (CMO), ONR HyCODE project (present), and NOPP MOSEAN program (present).

Dr. Victor Kuwahara Hawaii ocean eddy flux program and bio-optical studies at Bermuda, Hawaii, and the Santa Barbara Channel

Laboratory Personnel Supervised Since 1996:

Derek Manov (Senior Development Engineer)
David Sigurdson (Development Engineer)
Frank Spada (Engineer)
Charles Kiedman (Programmer)
Songnian Jiang (Programmer)
Sarah Zedler (Scientist)
Barry Bjork (Technician)
Erin Lutrick (Lab Technician)
Shannon Stone (Technician)
Robin Bourgeois (Undergraduate Work Study)
Christian Bravo (Undergraduate Work Study)
Feng Ge (Undergraduate Work Study)
Nick Swaim (Undergraduate Work Study)
Jason Guthrie (Undergraduate Work Study)
Vivian Phan (Undergraduate Work Study)