Indian Ocean Science Workshop

September 11-13, 2017 (La Jolla, California)

WORKSHOP PARTICIPANTS

NAME	AFFILIATION and EMAIL	RESEARCH EXPERTISE
Arora, Anika	Indian Institute of Tropical Meteorology, Pune <u>anika.cat@tropmet.res.in</u>	Climatology, oceanography, meteorology
Basak, Chandranath	Lamont Doherty Earth Observatory <u>cbasak@ldeo.columbia.edu</u>	Chemical oceanography, paleoceanography
Beal, Lisa	RSMAS - University of Miami Ibeal@rsmas.miami.edu	Large-scale ocean circulation and the role of the oceans in climate and climate change
Bednaršek, Nina	SCCWRP ninab@sccwrp.org	Ocean acidification, chemical and biological oceanography, global ocean change, pelagic biogeochemistry
Bentamy, Abderrahim	IFREMER abderrahim.bentamy@ifrem er.fr	Ocean circulation, remote sensing (calibration and validation), turbulent heat fluxes, scatterometer surface wind analyses
Benway, Heather	OCB/Woods Hole Oceanographic Institution <u>hbenway@whoi.edu</u>	Chemical oceanography, carbon cycle, paleoceanography

Bulusu, Subrahmanyam	University of South Carolina sbulusu@geol.sc.edu	Remote sensing, satellite oceanography, physical oceanography, ocean dynamics, air-sea interaction
Busalacchi, Antonio	University Corporation for Atmospheric Research <u>tonyb@ucar.edu</u>	Tropical ocean circulation, coupled climate system, numerical modeling, ocean observation, surface fluxes of momentum and heat
Chandler, Cynthia	BCO-DMO, Woods Hole Oceanographic Institution <u>cchandler@whoi.edu</u>	Biological and chemical oceanography data management
Cochran, James	Lamont-Doherty Earth Observatory jrc@ldeo.columbia.edu	Ice sheets, geology and geophysics
Coles, Victoria	UMCES/HPL <u>vcoles@umces.edu</u>	Observation and modeling of ocean and estuarine circulation, climate impacts on regional and global scales, biogeochemical, ecological, and genomic modeling
Cutter, Gregory	Old Dominion University gcutter@odu.edu	Trace element cycling in fresh and marine waters, atmospheric transport and deposition of trace metals, paleoceanography
D'Asaro, Eric	Applied Physics Laboratory, University of Washington <u>dasaro@apl.washington.edu</u>	Physical oceanography, internal waves, air-sea interaction, upper ocean dynamics, Arctic oceanography, ocean instrumentation

Delman, Andrew	Jet Propulsion Laboratory Andrew.S.Delman@jpl.nasa.g ov	Oceanic mesoscale phenomena, tracer budgets from models and reanalysis products, intraseasonal, interannual, and decadal climate variability, satellite oceanography and meteorology
Dick, Henry	Woods Hole Oceanographic Institution <u>hdick@whoi.edu</u>	Marine geology: Crust formation at ocean ridges, relationship between mantle flow, melting, ridge tectonics, and mantle petrology and geochemistry
Drushka, Kyla	Applied Physics Lab - University of Washington <u>kdrushka@apl.uw.edu</u>	Air-sea interactions, remote sensing, submesoscale ocean variability, upper ocean salinity, tropical mixed-layer dynamics
D'Sa, Eurico	Louisiana State University ejdsa@lsu.edu	Ocean color remote sensing, bio-optical properties of coastal and ocean waters, physical-biogeochemical interactions, optical properties of colored dissolved organic matter, coastal biogeochemical processes
Feely, Richard	PMEL/NOAA <u>Richard.A.Feely@noaa.gov</u>	Carbon cycling and ocean acidification, mechanisms controlling sources and sinks of anthropogenic CO ₂ in the oceans, and impacts of CO ₂ on marine ecosystems
Fine, Rana*	Rosenstiel School University of Miami <u>rfine@rsmas.miami.edu</u> *online poster only	Physical processes, air-sea exchange, carbon and oxygen cycles, circulation
Fournier, Séverine	Jet Propulsion Laboratory <u>severine.fournier@jpl.nasa.g</u> <u>ov</u>	Land-sea fluxes and the effects of freshwater forcing on ocean dynamics using principally satellite sea surface salinity, ocean color and ocean currents measurements

Gangopadhyay, Avijit	University of Massachusetts Dartmouth <u>avijit.gangopadhyay@umassd</u> .edu	Ocean circulation and numerical modeling, operational synoptic ocean forecasting, ecosystem response to multi-scale climatic forcing
Garcia, Catherine	University of California, Irvine <u>catgar@uci.edu</u>	Biogeochemical cycles
Gawade Velip, Lata	CSIR-National Institute of Oceanography <u>latagg@gmail.com</u>	Microbiology, marine biology
Gnanaseelan, Chellappan	Indian Institute of Tropical Meteorology <u>seelan@tropmet.res.in</u>	Indian Ocean regional climatic impacts, data assimilation, ocean modelling, physical oceanography
Goldstein, Steven	Lamont-Doherty Earth Observatory <u>steveg@ldeo.columbia.edu</u>	Geochemistry, isotope geology
Gorecki, Ed	NOAA edward.gorecki@noaa.gov	Program Coordination Officer for NOAA's Office of Oceanic and Atmospheric Research (OAR)
Hood, Raleigh	HPL/UMCES rhood@umces.edu	Biological oceanography, models to simulate and predict biogeochemical and ecological variability in marine environments

Hu, Xiaoyue	China Academy of Sciences, University of Chinese Academy of Sciences Beijing, and Scripps Institution of Oceanography, UCSD <u>xih184@ucsd.edu</u>	Ocean circulation, equatorial wave dynamics
Humphris, Susan	Woods Hole Oceanographic Institution <u>shumphris@whoi.edu</u>	Volcanic and tectonic controls on hydrothermal activity at mid-ocean ridges, geochemistry of rock-water interactions
Kilpatrick, Thomas	Scripps Institution of Oceanography, UCSD <u>tkilpatrick@ucsd.edu</u>	Satellite (scatterometer) observations of surface winds, convection–wind coupling, air–sea interaction and its role in climate
Krishna, Kolluru	Centre for Earth and Space Sciences, University of Hyderabad <u>krishna@nio.org</u>	Marine geophysics, lithospheric dynamics, tectonics, plate tectonics
Landry, Michael	Scripps Institution of Oceanography/UCSD <u>mlandry@ucsd.edu</u>	Food- web interactions involving micro- and mesozooplankton, population and community ecology of plankton, physical-biological coupling
Larkin-Swartout, Alyse	University of California - Irvine <u>larkinsa@uci.edu</u>	Marine microbial ecology, particulate organic C:N:P measurements in the Indian Ocean using both metagenomics and amplicon library sequencing

Lee, Tong "Tony"	Jet Propulsion Laboratory <u>tlee@jpl.nasa.gov</u>	Physical oceanography, intraseasonal-to- decadal variability, climate variability, upper-ocean heat and salt budgets, meridional circulation and heat transport, inter-basin linkages, tropical- extratropical connections, ENSO diversity and teleconnections/impacts, coupled ocean-atmosphere data assimilation
Liu, W. Timothy	Jet Propulsion Laboratory w.t.liu@jpl.nasa.gov	Ocean circulation and air-sea interaction
Lloyd, Karen	University of Tennessee <u>klloyd@utk.edu</u>	Geomicrobiology, molecular biology, and geochemistry to determine how microorganisms influence marine geochemical cycles
Lomas, Michael	Bigelow Laboratory for Ocean Sciences <u>mlomas@bigelow.org</u>	Marine biogeochemistry, phytoplankton diversity and physiology, biological pump, macronutrient cycles
Macdonald, Alison	Woods Hole Oceanographic Institution amacdonald@whoi.edu	Ocean circulation and variability (transport of mass, heat, freshwater, nutrients and carbon), ocean's heat and carbon cycles and their role in predicting future atmospheric carbon levels
Mahadevan, Amala	Woods Hole Oceanographic Institution <u>amala@whoi.edu</u>	Ocean carbon cycle, biogeochemical distributions, climate change, modeling

Marra, John	CUNY Brooklyn College jfm7780@brooklyn.cuny.edu	Biological oceanography, ocean productivity, phytoplankton, ocean optics
Martiny, Adam	UC Irvine amartiny@uci.edu	Marine biota, biogeochemistry, responses and adaptations to environmental variation
McPhaden, Michael	NOAA/PMEL <u>michael.j.mcphaden@noaa.g</u> <u>ov</u>	Ocean climate, global tropical moored buoy array
Menezes, Viviane	Woods Hole Oceanographic Institution <u>vmenezes@whoi.edu</u>	Physical oceanography, global ocean circulation variability and impact on Earth's climate
Moffett, James	University of Southern California jmoffett@usc.edu	Trace element speciation and redox chemistry, metal -phytoplankton interactions,
Murtugudde, Raghu	University of Maryland ragu@essic.umd.edu	Phytoplankton, large-scale weather patterns, climate models
Pinkel, Robert	Scripps Institution of Oceanography <u>rpinkel@ucsd.edu</u>	Energy cascade in the ocean, space-time geography of ocean mixing, oceanic internal waves, wave generation and wave breaking, Arctic and tropical oceanography, ocean observing techniques and instrumentation, zooplankton biophysical interactions

Pinker, Rachel	University of Maryland pinker@atmos.umd.edu	Surface-atmosphere radiative fluxes
Reisdorf, Jill	UCAR/CPAESS reisdorf@ucar.edu	Climate adaptation and mitigation
Resplandy, Laure	Princeton University laurer@princeton.edu	Climate science and modeling, geochemistry and paleoclimatology, oceanography
Rosso, Isabella	UCSD/SIO <u>irosso@ucsd.edu</u>	Numerical modeling, Southern Ocean, mesoscale and submesoscale processes, physical-biogeochemical interactions, carbon budget
Sarma, V.V.S.S.	CSIR-National Institute of Oceanography <u>sarmav@nio.org</u>	Biogeochemical cycling of carbon and nitrogen in the ocean and estuaries, stable isotopic geochemistry (C,N,O,S,H), air-sea exchange of trace gases, biogeochemical modeling, primary production modeling using remote sensing data, paleoceanography
Seo, Hyodae	Woods Hole Oceanographic Institution <u>hseo@whoi.edu</u>	Air-sea interactions; atmospheric boundary layer dynamics; synoptic meteorology; tropical meteorology and physical oceanography; climate dynamics; coupled climate modeling; global and regional climate variability and changes
Shi, Rui	South China Sea Institute of Oceanology <u>shirui@scsio.ac.cn</u>	Oceanography, meteorology

Sprintall, Janet	Scripps Institution of Oceanography jsprintall@ucsd.edu	Tropical inter-ocean exchanges and their relationship to climate, large-scale general circulation of mass and heat, long-term monitoring of heat and transport in the upper ocean
Subbarao, Gowtham	SIO-UCSD gsubbarao@ucsd.edu	Structure-function relationships of enzymes and membrane proteins, Deep subsurface biosphere, marine microbial ecology, diversity and C-cycling
Susanto, Raden "Dwi"	University of Maryland <u>dwisusa@umd.edu</u>	Indonesian throughflow (ITF), ocean and climate dynamics of the Indo-Pacific region
Swift, James	UCSD/SIO jswift@ucsd.edu	Waters and circulation of the Arctic Ocean and Nordic Seas, the global climate-scale intermediate and deep circulation, ocean measurement and interpretation
Talley, Lynne	Scripps Institution of Oceanography <u>Italley@ucsd.edu</u>	General circulation, climate change in the oceans, hydrography and water masses
Tamsitt, Veronica	Scripps Institution of Oceanography <u>vtamsitt@ucsd.edu</u>	Southern Ocean dynamics, large-scale ocean circulation, air-sea interaction
Tandon, Amit	UMass Dartmouth atandon@umassd.edu	Fluid mechanics and physical oceanography, upper ocean mixing processes

Vernet, Maria	Scripps Institution of Oceanography <u>mvernet@ucsd.edu</u>	Polar phytoplankton ecology and physiology, plankton carbon cycle, marine ecosystem change, effect of climate change on phytoplankton communities, photosynthetic pigments, primary production
Wang, Dongxiao	South China Sea Institute of Oceanology <u>dxwang@scsio.ac.cn</u>	Physical oceanography
Wang, He	Scripps Institution of Oceanography <u>hew030@ucsd.edu</u>	Subarctic channel flows and deep water formation in climate models
Webster, Peter*	Georgia Institute Technology pjw@eas.gatech.edu * Remote participant	Low-frequency atmospheric and ocean dynamics, ocean-atmosphere interactions, wave propagation through complex flows
Wiggert, Jerry	University of Southern Mississippi jerry.wiggert@usm.edu	Physical oceanography, biophysical interactions, coupled physical- biogeochemical modeling, remote sensing
Xie, Xiaosu	Jet Propulsion Laboratory <u>xiaosu.xie@jpl.nasa.gov</u>	Use of satellite data sets to study ocean- atmosphere interactions and hydrological cycle, use of ocean circulation models to study climate variability
Zang, Nan	Institute of Oceanology, Chinese Academy of Sciences and Scripps Institution of Oceanography <u>zangnan@qdio.ac.cn</u>	Western boundary undercurrents and water masses

Zhang, Chidong	NOAA PMEL chidong.zhang@noaa.gov	Large-scale air-sea interaction and atmospheric dynamics in the tropics
Zhou, Lei	Institute of Oceanography, Shanghai Jiao Tong University <u>zhoulei1588@sjtu.edu.cn</u>	Physical oceanography, tropical ocean- atmosphere interaction, intraseasonal variability, and monsoon dynamics