

Alan C. Mix Curriculum Vitæ, Abridged Highlights 2017

ALAN C. MIX, Professor

<http://ceoas.oregonstate.edu/profile/mix/>

Education

B.S., Geology (cum laude), University of Washington, Seattle, WA	1978
M.S., Geology, Columbia University, New York, NY	1980
M.Phil., Geology, Columbia University, New York, NY	1984
Ph.D., Geology, Columbia University, New York, NY	1986

Professional Experience

Research Assistant, Oceanography Dept., Univ. Washington, Seattle	1974-1976
Grad. Research Asst., Lamont-Doherty Geol. Observ., Palisades, NY	1978-1984
Assistant Professor, College of Oceanogr., Oregon State Univ., Corvallis	1984-1989
Director, OSU Marine Geology Repository (Core Laboratory)	1986-2005
Founding Director, OSU/COAS Stable Isotope Laboratory	1986-
Assoc. Professor, College of Oceanic and Atmos. Sci., OSU, Corvallis	1989-1995
Visiting Scientist: NOAA Geophys. Fluid Dynamics Laboratory and Atmospheric and Oceanic Sci. Program, Princeton University, NJ	1992-1993
Professor, College of Oceanic & Atmos. Sci., OSU, Corvallis, OR	1995-present
Associate Dean, College of Oceanic & Atmos. Sci., OSU, Corvallis	2001-2004
Visiting Professor, MARUM, University of Bremen, Germany	2009
Chair, OSU Mass Spectrometry Consortium	2006-2015

Professional Affiliations

American Geophysical Union (Fellow), American Association for the Advancement of Science (Fellow), The Oceanography Society (Founding Life Member, President 2017-2018), Geological Society of America (member), European Geosciences Union (member).

Research Focus

Paleoceanography; Paleoclimatology; Micropaleontology/Paleoecology of Planktic Foraminifera; Isotope Geochemistry; Sediment Geochemistry.

National and International Research Programs

Member, CLIMAP	1978-1980
Co-Principal Investigator, SPECMAP	1984-1994
Corresponding Member, COHMAP	1985-1988
Ocean Drilling Program, ODP (legs 138, 154, 167, 202 co-chief, 323)	1987-2005
Joint Global Ocean Flux Study, Equat. Pacific Program, JGOFS-EqPac	1992-1996
International Marine Geological studies of Global Changes, IMAGES	1995-2000
Environmental Processes of the Ice Ages: Land, Ocean, Glaciers, EPILOG	1996-2003
Co-Principal Investigator, PaleoVar (Past Climate Variability)	2006-2011
Co-Principal Investigator, MiLoco (hypoxia, GBMF, US, Chile)	2008-2013
PI - Petermann Glacier, Greenland (US, UK, Sweden, Canada, Denmark)	2015-2018

National and International Committees

Editorial Board, <i>Palaeogeography, Palaeoclimatology, Palaeoecology</i>	1987-92
American Geophysical Union Paleooceanography Committee	1989-94
Ocean History Panel, Ocean Drilling Program (ODP)	1989-92
Joint Oceanographic Institutions, Inc. Special Committee on Future Core Repositories. University of Bremen, Germany	1993
Elected, NSF-MESH Steering Committee (Marine Earth Syst. History)	1993-96
Corresponding Member, SCOR Working Group 100 (Sediment Coring)	1993-95
Planning Committee, Ocean Drilling Program	1993-96
JOIDES Long Range Planning Committee	1994-96
JOIDES Liaison to Ocean History Panel, MESH, IGBP/PAGES, IMAGES	1993-96
International Marine Global Change Study (IMAGES) Scientific Committee	1995-01

Alan C. Mix Curriculum Vitæ, Abridged Highlights 2017

Steering Committee, 6 th International Congress of Paleoceanography, Lisbon	1995-99
Associate Editor, Geology	1996-00
Chair, IGBP/PAGES program EPILOG	1997-06
Associate Editor, Quaternary Science Reviews	1998-06
Secretary Ocean Sciences Section, American Geophys. Union	2000-04
Ocean Sciences Executive Committee, American Geophys. Union	2000-05
Ocean Sciences Awards Committee, American Geophys. Union	2003-06
Councilor, American Quaternary Association	2000-03
JOIDES Executive Committee (representing Oregon State University)	2001-04
Scientific Advisory Board, NOAA-CIMRS, Oregon State University	2004-08
Scientific Advisory Board, Inst. Meereskunde-GEOMAR, Kiel, Germany	2004-12
Scientific Advisory Board, MARUM, Univ. Bremen, Germany (Chair)	2005-15
OSU Interdepartmental Mass Spectrometry Consortium (Chair)	2006-15
IGBP/PAGES Science Steering Committee (Chair, 2012-15)	2010-15
US National Research Council, Decadal Survey of Ocean Sciences	2013-15
President, The Oceanography Society (President Elect, 2015-2016)	2017-

Honors

ARCO Fellow	1982
OSU/COAS - June Pattullo Award for Excellence in Teaching	2000
JOI/USSAC Distinguished Lecturer (Historically Black Colleges)	2002-2003
Commendation, K. Kulongoski, State of Oregon, Contributions to Lifelong Learning, Confederated Tribes of the Siletz	2005, 2006
Chapman Lectureship, Univ. Alaska Fairbanks	2010
Fellow, American Geophysical Union	2013
Emiliani Lecturer, American Geophysical Union	2015
Fellow, American Association for the Advancement of Science	2017

Seagoing Expeditions

Participant: Cruise RC2407, R/V ROBERT CONRAD. Abidjan, Ivory Coast to Abidjan. Seismic Survey, Piston Coring, Plankton tows.	Apr 1983
Co-Chief Scientist: Cruise W8709A, R/V WECOMA. Newport, OR to Newport, OR. Sediment traps, plankton tows, sediment cores.	Sep 1987
Co-Principal Investigator: Cruise VENTURE-1, R/V T. WASHINGTON. San Diego, CA to Manzanillo, Mexico, Coring.	Sep 1989
Co-Proponent and shipboard sedimentologist: Cruise LEG 138, D/V JOIDES RESOLUTION, Panama to San Diego, CA.	May-Jul 1991
Field Test of Coring facilities, R/V THOMAS THOMPSON, Caribbean Sea and Eastern tropical Pacific (site selection and shore-based support)	Aug 1991
Co-Principal investigator, Cruise W9406A, R/V WECOMA, Newport OR	June 1994
Co-chief Scientist, Cruise EW9504A, R/V M. EWING. San Diego-to-Eureka, CA. Coring and Seismic Survey.	May 1995
Chief Scientist, Genesis Expedition, Leg 3, R/V Roger Revelle. Punta Arenas Chile to Callao, Peru. Swath and Seismic Survey, Coring, Geochemistry	Feb-Apr 1997
Co-Principal investigator, R/V Thompson, PROD test cruise, Puget Sound, WA	Apr 2000
Co-Chief Scientist, NEMO Expedition, Leg 3, R/V Melville. Manzanillo Mexico to Puntarenas, Costa Rica. Swath & Seismic Survey, Coring, Geochemistry	May-Jun 2000
Co-Chief Scientist, ODP Leg 202, JOIDES Resolution, Valparaiso-Balboa	Apr-Jun 2002
Chief Scientist, EW0408 Expedition, R/V EWING, Newport OR – Kodiak, AK, High-Res. Swath mapping, MCS, Coring, Water sampling	Aug-Sep 2004
Shipboard Participant, Stratigraphic Correlator, IODP Expedition 323, D/V JOIDES Resolution, Bering Sea: Victoria BC to Yokohama, Japan	Jul-Sep 2009
Chief Scientist, EL1004 Cruise, R/V Elakha, Newport Oregon, Coring and Water	Mar 2010

Alan C. Mix Curriculum Vitæ, Abridged Highlights 2017

Chief Scientist, EL1008 Cruise, R/V Elakha, Newport Oregon, Coring and Water	Aug 2010
Shipboard Sedimentologist. SO211 CHIMEBO Drilling Expedition, R/V Sonne, Nov 2010	
Valparaiso-Valparaiso, Chile. Seafloor Drilling, Watersampling, Plankton	
Chief Scientist, W1103A, R/V Wecoma, Newport Oregon, Coring and Water	Mar 2011
Proponent & Shipboard Stratigraphic Correlator, IODP Expedition 341,	Jun-Jul 2013
D/V JOIDES Resolution, Gulf of Alaska (Victoria BC to Valdez, Alaska).	
Chief Scientist, OD1507, Icebreaker Oden, Petermann Glacier Expedition	Jul-Sep 2015
<u>Selected Activities since last promotion (invited lectures, panels, symposium leadership)</u>	
Invited Keynote Speaker: 5th International Congress of Paleoceanography	Oct 1995
Halifax, Nova Scotia.	
JOIDES Planning Committee Representative to Executive Committee, Oslo, Norway	Jul 1996
Invited Speaker & Working Group Leader, JOI/USSAC conference on	Aug 1996
Warm Climates. Univ. California, Santa Cruz, CA	
Invited Speaker, Dept. of Geosciences, University of Oregon, Eugene	Feb 1997
Chair and Host - NSF Climate Dynamics conference on last glacial	Jun 1997
Maximum climates, Corvallis.	
Consultant to US News and World Report Magazine, on climate change	Jun 1997
Chair - EPILOG (Environmental Processes of the Ice age, Land, Ocean,	Dec 1997
Glaciers), Steering Committee, San Francisco	
Co-organizer - IMAGES Western Americas Margin Meeting, Merida Venezuela	Apr 1998
Invited Speaker – AGU Chapman Conference, Millennial-Scale Climate Change	Jun 1998
(Snowbird, Utah).	
US Representative to IMAGES Scientific Steering Committee, Lisbon, PT	Aug. 1998
Chair - EPILOG (Environmental Processes of the Ice age, Land, Ocean,	May 1999
Glaciers), Open Meeting, Delmenhorst, Germany	
Rapporteur, US Nat. Academy of Sciences Alkenone Conference, Woods Hole, MA	Oct. 1999
Invited Speaker - US Global Change Research Program, Washington DC	Nov. 1999
Invited Speaker - Ocean Drilling Seminar Series on Capitol Hill	Nov.1999
Invited Speaker – Tropical Ocean Climate Change, AGU (San Francisco)	Dec 1999
Organizer and Chair – International conference for Core Curators (Corvallis)	Sept. 2000
Co-organizer, EPILOG workshop, Global Ice Sheets at the Last Glacial	Oct 2000
Maximum (Timberline, Oregon).	
Citationist, Easterbrook Medal for Quaternary Science, Geol. Soc. America	Nov 2000
Invited Speaker – Climate Change in South America, GSA (Reno, NV)	Nov 2000
Invited Speaker – Climate changes in the tropics. U. Calif. Santa Barbara	Apr 2001
Guest Editor – Special Issue - Quaternary Science Reviews (EPILOG)	2002
Invited Participant – JOI/USSAC Conference on Gulf of Alaska (Austin, TX)	2003
Invited Participant – NSF workshop on tropical paleoclimatology (Los Angeles)	2003
Invited Speaker and group chair – IMAGES/MARGO project (Multiproxy Approach to	
Reconstruction of the Glacial Oceans). Barcelona, Spain.	Aug 2004
Invited Speaker – DOE/West Coast Regional Carbon Sequestration Partnership,	Oct 2004
on climate change in the Pacific Northwest, Public Seminar, Portland OR	
Special Session Chair – Climate and the Southeast Pacific and South America,	Dec 2004
AGU Annual Meeting, San Francisco	
Invited Speaker – UUFCS Symposium – Explaining Climate Change – Public	Jan 2005
Seminar, on paleoclimate science and future change, Corvallis, OR	
Invited Speaker – Adult Literacy Project – Corvallis	Oct 2005
Invited Panelist -- NSF – ESH/MESH future planning committee – Washington DC	Nov 2005
Invited Speaker -- JOI-USAC Working Group on Orbital Scale Climate Change	May 2006
Invited Speaker – OSU Academy of Lifelong Learning – Global Climate Change.	May 2006
Invited Speaker – Adult Literacy Project – Corvallis	Oct 2006

Alan C. Mix Curriculum Vitæ, Abridged Highlights 2017

Invited Speaker -- JOI-USAC conference on Orbital Scale Climate Change, Boulder	May 2007
Invited Speaker - MARUM, University of Bremen, Germany	Sep 2007
Invited Speaker – Geowissenschaften, Christian-Albrechts Univ. Kiel, Germany	Apr 2008
Invited Speaker – Dept. of Earth Sciences, Univ. Koln, Germany	Apr 2008
Invited Speaker – CNRS Laboratoire des sciences du climat et de l'environnement, Gif-sur-Yvette, France	Apr 2008
Invited Speaker – Climate Prediction Workshop, Univ. Southern California	Jun 2008
Invited Speaker – Syntrace, University of Wisconsin	Aug 2008
Invited Speaker – MiLoco, Univ. Concepcion, Chile	Nov 2008
Special Session Chair – Past Climate Variability, AGU Annual Meeting, SF	Dec 2008
Invited Speaker – Foss Maritime, Seattle WA	Jan 2009
Theme Chair and Invited Speaker – Paleoenvironment, IODPINVEST, Bremen	Sep 2009
Theme Chair and Organizer – UNESCO YES Meeting of Young Scientists, Beijing	Oct 2009
Invited Speaker – Uni. Bremen. Program M - Women in Geosciences	Oct 2009
Invited Speaker – MARUM, Univ. Bremen	Nov 2009
Invited Speaker – NSF GEO Directorate – Future Themes	Jan 2010
Invited Speaker – CNRS Laboratoire des sciences du climat et de l'environnement, Gif-sur-Yvette, France	Jan 2010
Participant – First Workshop on Clumped Isotope Mass Spectrometry, Seattle	Apr 2010
Chapman Lectureship, University of Alaska, Fairbanks	Apr 2010
Invited Panelist – Scientific Advisory Board, IFM/GEOMAR – Kiel Germany	June 2010
IGBP/PAGES Steering Committee, Nagoya, Japan	June 2010
Invited Speaker – JAMSTEC, Yokosuba, Japan	Jun 2010
Invited Speaker – Atmos.-Ocean Research Inst., Univ. Tokyo, Japan	Jun 2010
Invited Participant – USIO JOIDES Resolution review panel, Victoria, Canada	Jun 2010
Participant – 10th International Conference on Paleooceanography, La Jolla, CA	Sep 2010
Invited Lecturer – ECORD Summer School on Ocean Drilling, Bremen Germany	Sep 2010
Invited Speaker – SynTrace21, Timberline, Mt. Hood, Oregon	Oct 2010
Invited Speaker – AGU, San Francisco, California	Dec 2010
IGBP/PAGES Executive Committee, elected chair 2012-	Dec. 2010
IODP SASEC – representative of IGBP/PAGES, RSMAS, Miami	Jan 2011
Invited Operational Review Task Force – IODP Expedition 318, LDEO, New York	Mar 2011
Chair, Board of Advisors, MARUM, Univ. Bremen, Germany	Apr 2011
Microbiology Initiative on Low Oxygen off Chile and Oregon, Paleo Perspectives – host scientists from Univ. Concepcion, Chile, Corvallis	Jun 2011
Invited Speaker, INQUA, Bern, Switzerland	Jul 2011
Member and group chair – IGBP/PAGES steering committee, Oberhofen, Switzerland	Jul 2011
Invited Speaker – IODP Expedition 323 Postcruise, Salamanca, Spain	Sep 2011
Invited Speaker – NSF/IGBP/Ocean Leadership, Greenland Workshop	Nov. 2011
Participant, Microbiology Initiative on Low Oxygen off Chile and Oregon, Synthesis, with Gordon and Betty Moore Foundation, Corvallis	Nov 2011
Co-Chair, NSF Workshop on Ice-Ocean Interactions, San Francisco, CA	Dec. 2011
Invited Speaker, AGU, San Francisco, California	Dec 2011
Invited Speaker, IGBP/PAGES COMPARE conference, Univ. Bremen, Germany	Mar 2012
Chair, IGBP/PAGES science steering committee, London, UK	Mar 2012
Invited Delegate, and panel chair – Planet Under Pressure, London, UK	Mar 2012
Chair, Science Advisory Board, MARUM, Univ. Bremen, Germany	Oct. 2012
Member – GBMF Microbiology and Hypoxia Initiative, Concepcion, Chile	Nov. 2012
Organizing Committee, IGBP/PAGES Open Science Meeting, Goa, India	Feb. 2013
Invited Keynote Address, PAGES Young Scientist Meeting, Goa India	Feb. 2013
Invited Speaker, Paleo Futures, NSF Earth Sciences	Mar 2013

Alan C. Mix Curriculum Vitæ, Abridged Highlights 2017

US National Research Council, Decadal Survey Ocean Sci. Washington DC	Oct. 2013
Invited Speaker, PALSEA, Past Sea Level, Instituto Nazionale de Geofisica e Vulcanologia, Rome, Italy	Oct. 2013
Co-organizer, IGBP/PAGES COMPARE Conference, Corvallis, OR	Dec. 2013
Co-organizer, INQUA/PAGES Conference Carbon Cycle, Corvallis, OR	Dec. 2013
US National Research Council, Decadal Survey Ocean Sci. San Francisco,	Dec. 2013
Invited Speaker, AGU, North Pacific Gateway to the Arctic, San Francisco	Dec. 2013
Invited Delegate, Future Earth, US National Academies, Washington DC	Jan. 2014
Chair, Science Committee, IGBP/PAGES, Univ. Pierre & Marie Curie, Paris, FR	Jan. 2014
Chair, Scientific Advisory Committee, MARUM, Univ. Bremen, Germany	Mar. 2014
US National Research Council, Decadal Survey Ocean Sci. Univ. Hawaii,	Feb. 2014
US National Research Council, Decadal Survey Ocean Sci. San Francisco, CA	Apr. 2014
Invited Delegate, Future Earth Implementation Team, Kyoto, Japan	May. 2014
Invited Speaker, Research Institute for Humans and Nature, Kyoto, Japan	May 2014
Invited Speaker & Sci. Committee, Ocean Carbon Climate Change, Bern Switz.	Sep 2014
Invited Discussant, PAGES Workshop, Holocene Climate, Mt. Hood, OR	Oct 2014
Invited Speaker, Symposium on Past Global Change, Las Cruces, Chile	Feb. 2015
Invited Speaker, Future Earth Ocean Sciences Projects, Kiel, Germany.	Mar 2015
Invited Speaker, Emiliani Lecture, American Geophysical Union	Dec 2015
Invited Keynote Lecture, Geological Society of the Oregon Country, Portland, OR	Mar 2016
Invited Lecturer, Vi Retirement Center, Stanford CA	May 2016
Invited Speaker, Stockholm Univ., Stockholm, Sweden	June 2016
Invited Speaker, Geologic Survey of Greenland and Denmark, Copenhagen Denmark	June 2016
Invited Speaker, Energinet DK (Danish Energy Authority), Fredericia, Denmark	June 2016
Invited Speaker, International Workshop on Ocean & Greenland, Aarhus, Denmark	June 2016
Invited Lecturer, OSU Alumni Association & OSU Foundation, Alaska Fjords	July 2016
Invited Delegate, Future Earth/IPCC Symposium, Swedish Royal Acad., Stockholm	Aug. 2016
Invited Speaker, Dept. of Physics, University of Toronto, Canada	Sept. 2016
Invited Speaker, Awards Ceremony, TOS Ocean Optics Convention, Victoria, Canada	Oct. 2016
Session Chair, Paleo Perspectives on Ice-Sheet Ocean Interactions, AGU San Fran.	Dec. 2016
Invited Speaker, Academy for Lifelong Learning, Corvallis, OR	Jan 2017
Co Chair and Invited Speaker, Paleoscience Lessons for a Future Warmer World Univ. Bern, Switzerland	Apr 2017

Publications:

244 publications - 197 peer reviewed, 35 in Nature-Science-PNAS, edited 3 books, 48 reports, >18150 citations, H index=65, i10 index=163 (Google Scholar Citations Accessed 1/2017). <https://scholar.google.com/citations?user=WZSLXm0AAAAJ>

Students Advised:

8 MS students graduated (Leigh Welling, Jim Watkins, David Lund, Melissa Feldberg, Ann Morey, Matthew Wolhowe, Jesse Muratli, John Hornung)

10 PhD students graduated (Joseph Ortiz, Sara Harris, Brian Haley, Heather Benway, Cristina Lopes, Vasilis Ersek, Maureen Davies, Summer Praetorius, Jianghui Du (in progress), Anna Glueder (in progress))

28 student committees

29 undergraduate advisees in research experiences.

Research Support:

89 Research Grants, totaling \$31.8 Million.