

Curriculum Vitae

Peter Schlosser

Education

July 22, 1985: Promotionsprüfung (PhD Degree)
1982 – 1985: Dissertation work, University of Heidelberg; Thesis advisors:
Prof. Wolfgang Roether and Prof. Karl Otto Münnich
July 31, 1981: Diplomprüfung (equivalent to Master of Science Degree)
1975 – 1981: Study of Physics, University of Heidelberg

Employment

2022 – Acting Dean, College of Global Futures
2021 – Distinguished Global Futures Scientist
2019 – 2021 Director, Julie Ann Wrigley Global Institute of Sustainability, ASU
2018 – Director, Global Futures Laboratory, Arizona State University
2018 – Vice President and Vice Provost of Global Futures, Arizona State University
2018 – University Global Futures Professor, ASU
2018 – Professor, Schools of Sustainability, Earth and Space Exploration, and School of Sustainable Engineering and the Built Environment, ASU
2018 – 2021 Distinguished Sustainability Scientist
2015 – 2017 Maurice Ewing and J. Lamar Worzel Professor of Geophysics
Department of Earth and Environmental Engineering
1993 – 2017 Professor, Department of Earth and Environmental Sciences,
School of Engineering and Applied Science, Columbia University
1999 – 2014 Vinton Professor of Earth and Environmental Engineering
Summer 1994: Visiting Professor, University of Washington, Seattle
1993 to 2017 Senior Staff, Lamont-Doherty Earth Observatory
July 1, 1992: Tenure, Columbia University
July 1, 1989: Appointment to Associate Professor, Columbia University
April 1, 1986- Assistant Professor (Hochschulassistent), Institute for
June 30, 1989 Environmental Physics, University of Heidelberg
1981-1986: Research Assistant, Inst. f. Umweltp Physik, Univ. of Heidelberg
2015 – 2017 Chair, Dept. of Earth and Environmental Engineering, CU
2000 – 2003 Chair, Dept. of Earth and Environmental Engineering, CU
2000 – 2003 Associate Chair, Henry Krumb School of Mines, CU
2012 – 2017 Deputy Director, The Earth Institute, Columbia University
2007 – 2017 Director of Research, The Earth Institute, Columbia University
2009 – 2015 Founding Chair, Earth Institute faculty
2004 – 2012 Associate Director, The Earth Institute at Columbia University

Scientific interests

Global Futures; Sustainable Development; studies of water movement and its variability in natural systems (oceans, lakes, rivers, groundwater); ocean/atmosphere gas exchange; reconstruction of continental paleotemperature records using groundwater as archive; anthropogenic impact on natural systems; Sustainable Development; Planetary Design and Management.

Honors/Recognition

- 2021 Doctor Honoris Causa; Dimitrij Cantemir University, Bucharest
- 2016 Elected Member of the German National Academy of Sciences (Leopoldina)
- 2012 Printing of groundwater dating publication as 'Benchmark Paper' by IAHS
- 2011 Elected Fellow of the Explorers Club
- 2011 Elected Fellow of the American Assoc. for the Advancement of Science (AAAS)
- 2007 Elected Fellow of the American Geophysical Union (AGU)
- 1994 Vetlesen Fellow, University of Washington, Seattle
- 2019 Member, Sigma XI

Memberships

American Geophysical Union
American Association for the Advancement of Science
The Oceanography Society
European Geophysical Union
Arctic Institute of North America
German Physical Society
New York Academy of Sciences
The Geochemical Society
International Sustainable Development Research Society

Professional activities / Leadership

- 2022 – Member Ethical Framework for Climate Intervention Advisory Board, American Geophysical Union
- 2021 – Chair, Strategic Evaluation Committee; Helmholtz Association Research Area Earth and Environment
- 2021 – Member, Science Council, Conservation International
- 2021 – Member, Board, American Geophysical Union
- 2021 – Chair, Development Board, American Geophysical Union
- 2020 – Chair, Scientific Advisory Committee; German Marine Research Alliance
- 2019 – Co-Chair; The Earth League
- 2019 – Member, AGU College of Fellows; Frontiers Committee
- 2019 – Member, Board of Carbon Collect Limited; formerly SKHL
- 2019 – Member, Board of McDowell Sonoran Conservancy
- 2019 – Chair; Strategic Evaluation Committee; Helmholtz Association Research Area Earth and Environment
- 2017 – 2020 Co-Chair, Organizing Committee, 4th Arctic Observing Summit
- 2017 Member, Organizing Committee WCRP/IOC Sea Level Conference
- 2016 – Member; Expert Group, German Excellence Strategy
- 2016 Co-Organizer; Workshop on a '5°C Arctic in a 2°C World'; Columbia University
- 2015 – 2019 Member, AGU (American Geophysical Union) Development Board Board
- 2015 – 2022 Member, Board; Sustaining Arctic Observing Networks
- 2010 – 2022 Co-Chair, Science Steering Group; ISAC (International Study of Arctic Change)
- 2017 – 2018 Member, AGU College of Fellows; Town Hall committee
- 2015 – 2017 Member, University College Dublin Earth Institute Scientific Advisory

2015 – 2017 Member, German Science Council Committee for National Roadmap for Research Infrastructure

2014 – 2016 Member, Scientific Steering Committee ArcticSTAR

2014 – 2016 Co-Chair; Organizing Committee; 3rd Arctic Observing Summit

2014 – 2015 Member, German Science Council Committee for Evaluation of the Helmholtz Association Program Oriented Support Structure

2014 – 2016 Member, International Scientific Advisory Committee; MEOPAR; Marine Environmental Observation Prediction and Response Network

2015 Co-Chair; Symposium on Sustainable Oceans; Columbia University; September 28 – 30, 2015.

2013 – 2014 Co-Chair; 2nd Arctic Observing Summit; Helsinki, April 2014

2013 – 2014 Chair, AGU OS section Honors and Recognition Committee

2013 – Member, Earth League

2013 – 2017 Member, selection committee, AGU ‘Science for Solutions’ award

2012 – 2015 Member, Scientific Advisory Board; Excellence Cluster ‘Future Ocean’; Kiel

2012 – 2017 Member of the Board; International Sustainable Development Society (ISDRS)

2012 – 2013 Member, Organizing Committee, 1st Arctic Observing Summit Vancouver; May 2013

2012 – 2013 Member; Scientific Committee; Draeger Symposium ‘Sustainable Oceans’; Lisbon, June 2013

2012 Member, German Science Council Review Panel for Excellence Initiative

2011 – 2012 Member; Scientific Committee; Draeger Symposium ‘Sustainable Oceans’; New York, July 2012

2011 – 2013 Member, German Science Council Committee for National Roadmap for Research Infrastructure

2011 – 2012 Member, Scientific Committee, International Sustainable Development Research Conference 18 (ISDRC 18)

2011 Convener; Bellagio Conference on an International Alliance in Sustainable Development; August 24 – 27, 2011

2010 – 2011 Member; Scientific Committee; Draeger Symposium ‘Sustainable Oceans’; Hamburg, Germany, June 29 – July 1, 2011

2010 – 2011 Co-Chair of the International Sustainable Development Research Conference 17; Chair, Scientific Committee of ISDRC 17

2010 – 2011 Member; NAS/NRC panel 'Future Science Opportunities in the Antarctic and Southern Ocean'

2010 – 2011 Member, AGU Mission:Alignment Project (M:AP)

2010 – 2012 President, AGU Ocean Sciences section

2009 – 2010 Chair, Organizing Committee; State of the Arctic Conference (Miami, March 16 to 19, 2010)

2009 – 2012 Member; SEARCH (Study of Environmental Arctic Change) Arctic Observing Network Design and Implementation Task Force (ADI)

2009 - 2011 Member U.S. GEOTRACES Arctic Ocean Planning Group

2010 Member, AGU (American Geophysical Union) Governance Task Force

2009 – 2010 Member, AGU Strategic Planning Task Force

2009 – 2010 Member, German Science Council Committee on German Research Fleet

2008 – 2012 Chair (2008 – 2010) and member (2010 – 2012), AGU Ocean Sciences section Fellows selection committee

2008 – 2010 Member, AGU Statutes and Bylaws Committee

2008 – 2014 Member, AGU Ocean Sciences section executive committee

2008 – 2010 President – Elect, Ocean Sciences Section, American Geophysical Union
 2008 – 2012 Member AGU Council
 2006 – 2010 Member, Scientific Advisory Board, Max Planck Institute for Meteorology, Hamburg
 2006 – 2010 Member, Science Steering Group, International Study of Arctic Change
 2005 – 2010 Chair, External Advisory Board, Princeton University/GFDL Joint Institute on Climate Studies
 2004 - 2005 Member, IASC/AOSB Planning group for the International Study of Arctic Change Program (ISAC)
 2004 – 2006 Member, NAS PRB Panel on Arctic Observing Networks
 2004 – 2010 Chair, SEARCH (Study of Environmental Arctic Change) SSC
 2003 – 2005 Member, U.S. National Committee for the International Polar Year (National Academy Panel)
 2002 - 2004 Member, NSF Polar Programs Office Advisory Committee
 2001 - 2005 Member, IGBP SOLAS (Surface Ocean Lower Atmosphere Study) International Scientific Steering Group
 2001 – 2006 Member, SCICEX Science Steering Group
 2001 – 2002 Member, ASOF (Arctic and Subarctic Ocean Fluxes) Science Steering Group
 2000 – 2004 Member, AGU Ocean Sciences Section executive committee
 2000 – 2009 Member, Section ‘Radiometric dating of sediments and waters’; Heidelberg Academy of Sciences
 2000 - 2008 Chair, Science Steering Committee, ARCHES (Abrupt Climate Changes)
 1999 - 2003 Member, SEARCH (Study of Environmental Arctic Change) Scientific Steering Committee
 1999 - 2003 Co-chair, NSF/ARCUS Logistics Working Group
 1999 - 2002 Editor in Chief, Journal of Geophysical Research, Oceans
 1998 - 2001 Member, SOLAS (Surface Ocean Lower Atmosphere Study) Planning group
 9/98 Co-Chair, NSF/ARCUS workshop on ‘Opportunities in Arctic Research’
 1998 – 2001 Member, US CLIVAR Science Steering Group
 1997 Member, Steering Committee, NSF workshop ‘Advances and Primary Research Opportunities in Physical Oceanography Studies (APROPOS)’
 1996 – 1997 Co-chair, Arctic Research Consortium of the U.S. (ARCUS) Logistics Working Group; report to Arctic Research Commission of the U.S.
 1997 – 2000 Member, iAnZone/Scientific Committee on Oceanographic Research (SCOR) Steering Committee
 1997 - 2004 Member, World Meteorological Organization (WMO)/International Council of Scientific Unions (ICSU)/International Oceanographic Commission (IOC) Joint Scientific Committee for the World Climate Research Programme (WCRP)
 1996 - 2000 Chair; L-DEO component of CORC (Consortium of the Ocean’s Role in Climate)
 1995 Convenor, Ewing Symposium on Tracer Oceanography
 1995 – 1998 Member, Woods Hole AMS Facility National Advisory and Policy Board
 1995 – 1999 Board of Directors, Arctic Research Consortium of the U.S. (ARCUS),
 1995 - 1997 Member, World Ocean Circulation Experiment (WOCE) Synthesis and Modeling Working Group (SMWG)
 1994 - 1995 Member, US WOCE Atlantic Ocean Scientific Steering Group (AOSSC)
 1995 National Academy of Sciences, Panel on Climate Variability on

	Decade-to-Century time scales
1993 - 2000	Co-chair, Scientific Steering Group, NOAA Consortium for the ocean's role in climate (CORC)
1991 - 1997	Member, US WOCE Scientific Steering Committee
1992 - 1996	Member, US WOCE SSC Executive Committee
1992 - 1995	Columbia University Representative to ARCUS
1994	Vetlesen Fellow, Univ. of Washington, Seattle (May to Aug. 1994)
1991	Member, NOAA/JOI Ocean Observations Science Panel
1989 - 1994	Chair, WOCE Geochemical Tracer Scientific Panel
1990 - 1991	Member, WOCE SSG Executive Committee
1989 - 1993	Member, WOCE International Scientific Steering Group

Arizona State University leadership and service

2022 -	Acting Dean; College of Global Futures
2021	Chair, search committee, Walton Sustainability Solutions Chair
2019	Chair, search committee, Walton Sustainability Solutions Chair
2019 -	Member; Biodesign Institute Advisory Committee
2019 - 2020	ASU Hawaii Task Force
2019 -	Director, Julie Ann Wrigley Global Futures Laboratory
2019 - 2021	Director; Julie Ann Wrigley Global Institute of Sustainability and Innovation
2018 -	Vice President and Vice Provost of Global Futures

Columbia University leadership and service

2016 - 2017	Chair; Department of Earth and Environmental Engineering
2016 - 2017	Member, Search Committee for Earth Institute Director
2014 - 2016	Co-Chair, DEEE search committee for 4 professorships
2013 - 2014	Member, DEES faculty search committee
2012 - 2017	Deputy Director, The Earth Institute, Columbia University
2012 - 2013	Member, search committee for Dean of School of Engineering and Applied Science
2011 - 2015	Co-Chair, Columbia University seminar on 'Complexity Science, Modeling and Sustainability'
2011 - 2012	Member, search committee for Lamont-Doherty Earth Observatory Director
2011 - 2012	Member, search committee for named professorship and department chair in DEEE
2011 - 2012	Member, DEES faculty search committee
2010 - 2012	Member, SEAS promotions committee
2015 - 2017	Chair, Department of Earth and Environmental Engineering
2010 - 2011	Chair, DEEE faculty search committee
2010 - 2014	Chair, Earth Institute Task Force on Sustainable Development
2009 - 2015	Chair, Earth Institute faculty
2009 - 2017	Chair, Earth Institute faculty Executive Committee
2007 - 2017	Director, Columbia Climate Center
2007 - 2017	Director of Research, The Earth Institute at Columbia University
2006 - 2007	Chair, Search Committee for faculty position in DEEE

2007 – 2017 L-DEO Executive Committee (Earth Institute Representative)
 2006 – 2010 Member, Directorate of the Lenfest Center for Sustainable Energy
 2004 – 2009 Member, Science Steering Group of the Global Roundtable on Climate Change (GROCC)
 2004 – 2017 Chair, Earth Institute Cross – Cutting Initiative
 2004 – 2017 Director, Earth Clinic, The Earth Institute at Columbia University
 2004 – 2012 Associate Director, The Earth Institute at Columbia University
 2003 – 2005 Member, Executive Committee of the Earth Institute at Columbia University (committee was dissolved in 2005)
 2002 – 2009 Chair, Academic Committee of the Earth Institute at Columbia University
 2002 - 2005 Member, Arts and Sciences Academic Review Committee
 2002 - 2008 Member; L-DEO new Geochemistry Building Committee
 2002 – 2003 Co-Chair L-DEO search committee for observational oceanography
 2001 - 2002 Member, Biosphere 2 Faculty Council
 2000 – 2003 Chair; Department of Earth and Environmental Engineering
 2000 - 2002 Co-chair, CEI Academic Committee
 1999 - 2000 Chair, Search Committee for Ewing-Worzel Chair
 1999 – 2000 Member; search committee for CU Earth Institute and L-DEO directors
 1999 – 2002 Member, review panel, Columbia University Academic Quality Fund
 1999 Member, search committee for three junior faculty positions in Earth systems theory
 1998 Member; search committee for Barnard faculty position in environmental organic geochemistry
 1998 - 2003 Member, CU Environmental Molecular Science Institute Executive Committee
 1997 - 2003 Department of Earth and Environmental Sciences, Planning Committee
 1997 - 1998 Member, Columbia Earth Institute, Planning Committee
 1997 - 1999 Co-Chair, Columbia Earth Institute; Interim Academic Committee
 1996 - 1997 L-DEO Career Development Working Group
 1996 - 1997 L-DEO Scientific Facilities Working Group
 1996 - 1997 Co-chair; L-DEO Research Working Group
 1996 - 1997 Columbia Earth Institute; Education Working Group
 1996 - 1997 Columbia Earth Institute; Research Working Group
 1996 - 2003 L-DEO Executive Committee
 1995 Biosphere II Science/Research Committee
 1995 Search committee for Director of Development
 1994 – 1996 CERC Advisory group
 1994 - 1995 Environmental Science lecture series committee
 1994 Doherty Senior Scientist Nomination Committee
 1994 Long Range Science Plan group
 1994 Chair, Search Committee for junior faculty position in DEES
 1994 - 1995 L-DEO and CEI Director Search Committee
 1994 - 1996 Global System Initiative, Project Planning Group
 1993 - 2010 NOAA Consortium L-DEO Scientific Steering Group
 1993 - 1994 Geochemistry Green Building Committee
 1992 – 1993 L-DEO Hydrology Committee
 1992, 1993 L-DEO Postdoctoral Fellow selection committee
 1991 – 1994 Chair, Geochemistry Safety Committee

Field experience

‘Meteor’ cruise 51	Tropical Atlantic; May to Jun, 1979
‘Meteor’ cruise 56	Buenos Aires-Hamburg; Mar to May, 1981
‘Polarstern’ cruise ANT III	Weddell Sea; Jan to Mar, 1985
‘Polarstern’ cruise ANT V	Weddell Sea; Jun to Sep, 1986
‘Polarstern’ cruise ARK IV	Arctic Ocean; Jul to Sep, 1987
‘Meteor’ cruise 11	ACC Atlantic sector; Jan to Mar, 1990
‘Arctic 91 Expedition’	Arctic Ocean; Jul to Oct, 1991
Hudson River work	summer 2001, fall 2001; summer 2002, summer 2003, summer 2004

Invited talks (selected)

Alfred – Wegener Institute for Polar and Marine Research, Bremerhaven
 Arizona State University
 Bedford Institute of Oceanography, Halifax, Canada
 Duke University
 Environmental Molecular Science Laboratory, PNNL
 ETH, Zuerich, Switzerland
 Naval Postgraduate School, Monterey
 Institute of Ocean Sciences, Victoria, Canada
 Institute for Marine Science, University of Hamburg
 Institute for Marine Science, University of Kiel, Germany
 International Arctic Science Center, Fairbanks; *First Lee Lecture*
 Johns Hopkins University
 Lamont-Doherty Earth Observatory, Columbia University
 MIT
 Max-Planck Institute for Chemistry, Mainz
 NASA, Goddard Space Flight Center
 National Science Foundation, OPP section
 Naval Postgraduate School, Monterey
 Penn State University
 Rensselaer Polytechnic Institute
 Rutgers University
 Southampton National Oceanographic Center
 State University of New York, Stony Brook
 Stevens Institute of Technology
 Swedish Polar Secretariat
 Texas A&M University
 University of Alaska, Fairbanks
 University of Bern, Switzerland, *Colloquium*
 University of Bremen, Germany
 University of Calgary
 University of Edinburgh
 University of Hawaii
 University of Hamburg, Germany
 University of Heidelberg, Germany, *Colloquium*
 University of Kiel
 University of Miami, RSMAS
 University of Michigan, Ann Arbor; *Turner Lecture*
 University of Paris
 University of Toronto

University of Vienna
University of Washington, Seattle
University of Waterloo
Woods Hole Oceanographic Institution
Yale University

Numerous AGU sessions
Several GSA sessions
Several Goldschmidt sessions
Numerous EGU sessions

ACSYS Science Conference
Arctic Nuclear Waste Assessment Program; Woods Hole
Arctic Observing Summit
Arctic Summit Science Week, Tromso, Potsdam
ARCUS Forum
Crafoord Symposium, Stockholm, 2007
Draeger Symposium 'Sustainable Oceans'
Ewing Symposium on Tracers in Oceanography
Future Ocean Symposium, Kiel
German Physical Society Annual Meeting (Regensburg, Heidelberg)
International Sustainable Development Research Conference
NAS meeting on International Polar Year
NRC meeting on climate variability
Ringberg Conference on noble gases
WOCE Conference, Halifax
WOCE Southern Ocean Workshop, Hobart
WOCE Tracer Workshop, Bremen

Keynote speaker at 4 IAEA conferences (Intern. Atomic Energy Agency)
Numerous Science Planning Meetings

Students advised/sponsored

* sponsored; ¹ Masters Thesis; ² PhD Thesis

University of Heidelberg

1.	1982 – 1983	Christian Wagner ¹	Wet deposition of aerosols
2.	1983 - 1984	Rolf Ditschmann ¹	Wet deposition of aerosols
3.	1984 – 1985	Dietmar Wierzimok ¹	Wet deposition of aerosols
4.	1985 – 1989	Reinhold Bayer ^{*,1,2}	Development of mass spectrometric tritium measurement by the ³ He ingrowth method
5.	1986 – 1991	Gerhard Bönisch ^{*,1,2}	Tracer studies in the Arctic Ocean
6.	1986 - 1987	Christoph Heinze ¹	Modeling of tracer data
7.	1986 – 1989	Fritz Zaucker ^{*,1}	Modeling of tracer data
8.	1987 – 1989	Christoph Pfeleiderer ¹	AMS ¹⁴ C technique
9.	1987 – 1989	Martin Hausmann ^{*,1}	Measurement of the diffusion constant of helium in ice
10.	1988 - 1989	Axel Suckow ^{*,1}	Measurement of helium permeation through glass
11.	1987 - 1989	Hans Rupp ^{*,2}	Development of helium isotope mass spectrometry

12. 1988 - 1989 Amelie Schultze^{*,1} Dynamic solubility equilibrium of ³He in water

CU/L-DEO

1. 1990 – 1995	Jordan Clark ²	Surface water hydrology; gas exchange
2. 1990 - 1998	Brenda Ekwurzel ^{*,2}	Arctic Ocean tracer studies
3. 1990 – 1994	Dorothea Grabitz ^{*,2}	Fresh water balance of the Arctic Ocean
4. 1993 – 1997	Stephanie Dunkle ^{*,2}	Shallow groundwater circulation
5. 1993 - 1996	Gautam Mandal ^{*,2}	Southern Ocean
6. 1994 - 2001	Bob Newton ^{*,2}	Arctic Ocean modeling
7. 1995 - 2000	David Ho ^{*,2}	Surface water hydrology
8. 1996 - 1999	Samar Khatiwala ^{*,2}	Tracer oceanography
9. 1999 – 2005	Nicholas Santella ^{*,2}	SF ₆ and CFC studies
10. 2001 - 2003	Theodore Caplow	Hudson River Studies
11. 2001 – 2005	Xuefeng Liu ^{*,2}	CCL ₄ degradation in the environment
12. 2002 – 2005	Allan Hornemann ²	Tracer hydrology in Bangladesh
13. 2003 – 2009	Abigail Spieler ^{*,2}	Nordic seas circulation
14. 2003 - 2009	Paul Schmieder ^{*,2}	Hydrological studies
15. 2004 - 2010	Karrie Radloff	Hydrology/Geochemistry
16. 2005 - 2009	Brice Loose ^{*,2}	Tracer oceanography
17. 2013 – 2021	Angelica Pasqualini	Tracer Oceanography
18. 2017 – 2022	Dongping Song	Tracer Oceanography

Student Advisory Committees; *: primary advisor

1. *Brenda Ekwurzel	1990 - 1998
2. *Jordan Clark	1990 - 1995
3. Rachel Oxburgh	1991 - 1993
4. Aiguo Dai	1990 - 1993
5. Bernard Bourdon	1990 - 1994
6. Gideon Eschel	1990 - 1995
7. Roberto Gwiazda	1990 - 1993
8. Ta-Wei Chen	1991 - 1997
9. Yan Zheng	1992 - 1998
10. Jeff Severinghaus	1993 - 1994
11. Javier Albarracin	1993
12. *Stephanie Dunkle	1993 - 1997
13. *Gautam Mandal	1993 - 1996
14. Jennifer Monteith	1993 - 1995
15. *Bob Newton	1993 - 2000
16. Paul Marchese	1993 - 1997
17. Stephanie Rubin	1994 - 1998
18. Karen Kohfeld	1994 - 1998
19. *David Ho	1995 - 2000
20. *Samar Khatiwala	1995 - 1999
21. Marcia Tobin	1996 - 1998
22. Juliet Nichols	1996 - 1999
23. Synte Peacock	1996 – 2000
24. *Nicholas Santella	1999 – 2005
25. Anthony Caniano	1999 – 2000
26. * Theodore Caplow	2001 – 2004
27. * Xuefeng Liu	2001 – 2005
28. Allan Hornemann	2001 – 2005

29. *Harry Zahakos	2001 – 2003
30. Jessy Cherrie	2002 – 2006
31. Alison Keimowitz	2001 – 2003
32. * Abigail Spieler	2003 – 2011
33. * Paul Schmieder	2003 – 2009
34. Ferdi Hellweger	2002 – 2004
35. * Kathleen Radloff	2004 – 2010
36. * Brice Loose	2005 – 2009
37. Ivan Mihailov	2008 – 2013
38. Jing Sun	2010 – 2016
39. Sheila Kragie	2011 – 2013
40. *Angelica Paqualini	2013 – 2021
41. *Alan Shapiro	2013 – 2014
42. Rajib Mozumder	2013 – 2019
43. *Garrett Gissler	2014 – 2015
44. Ken Sinclair	2015 – 2018
45. *Dongping Song	2017 – 2022

Teaching experience

University of Heidelberg

Introduction to Physical Oceanography 1987

Introduction to Tracer Oceanography 1988

Columbia University

Isotope Geology I 1990, 1992, 1994, 1997

Isotope Geology II 1991, 1993, 1995, 1998

Tracer Oceanography 1991, 1993, 1995, 1998

Isotope Hydrology 1992, 1997, 2001, 2003, 2008

Advanced Geochemistry II
(with J. Simpson and M. Stute) 1992

Seminar on noble gases in rocks
(with Michelle Seidl and Martin Stute) 1994

Seminar on Southern Ocean
(A. Gordon, P. Schlosser, D. Martinson) 1997

Water Quality Analysis (with N. Anid) 2003

Earth Climate System (V2100) 2005, 2006, 2007, 2008, 2009

Responding to Climate Change 2011, 2012

Intro to Carbon Management (with V. Der) 2016, 2017 spring, 2017 fall