

CURRICULUM VITAE

George W. Luther, III

Maxwell P. and Mildred H. Harrington Professor of Marine Studies

VITAL STATISTICS:

Born: February 17, 1947
Philadelphia, Penna
Married, two children

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University of Delaware, 700 Pilottown RD
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EDUCATION:

Ph.D. (Physical-Inorganic Chemistry), University of Pittsburgh, 1972
B.A. (Chemistry), La Salle College, 1968

PROFESSIONAL SOCIETIES:

American Association for the Advancement of Science (AAAS); American Chemical Society (ACS); American Geophysical Union (AGU); American Society of Limnology and Oceanography (ASLO); The Geochemical Society (GS); The Oceanography Society (TOS); Coastal and Estuarine Research Federation (CERF); Society for Electroanalytical Chemistry (SEAC).

HONORS:

Fellow of the American Chemical Society (ACS), 2015
Fellow of the Geochemical Society / European Association of Geochemistry, 2014
University of Pittsburgh Department of Chemistry and Biochemistry Distinguished Alumnus, 2014
American Chemical Society (ACS) Geochemistry Division Medalist, 2013
Fellow of the American Geophysical Union (AGU), 2012
Fellow of the American Association for the Advancement of Science (AAAS), 2011
Essential Science Indicators Geosciences highest percent increase in total citations, 2009
Francis Alison Award 2006, University of Delaware's highest faculty honor
Geochemical Society's Clair C. Patterson Award, 2004
American Chemical Society's Geochemistry Division Chair succession, 1996-1998.
University of Cardiff's (Wales) highest honorary title of Distinguished Visiting Fellow, 1996-present.
Inaugural Fred M. Weissman lecturer in analytical chemistry, University of South Carolina, April 4, 1997
Chemical Oceanography Gordon Conference Chairman, 1993-5
Chemical Oceanography Gordon Conference Vice Chairman, 1991-3
University of Delaware, College of Marine Studies, Best Paper Award, 1988
New Jersey Institute of Chemists (AIC) Honor Scroll Awardee, 1985
North Jersey American Chemical Society Local Section Chair succession, 1983-1985
New Jersey Academy of Science - Chemistry Chair 1980-81
Sigma Xi 1977- present; Phi Kappa Phi 1979-present; Phi Lambda Upsilon, Chemical Honors Fraternity
University of Pittsburgh Teaching Fellow 1972; National Defense Education Act Title IV Fellow 1968-71

PROFESSIONAL EXPERIENCE:

NDEA Fellow and Teaching Fellow, University of Pittsburgh, 1968-72
Assistant Professor, Chemistry-Physics Department, Kean College of New Jersey, 1972-76; Associate Professor, 1976-79; Professor 1979-1986; Chairman Chemistry-Physics Department, 1976-1984.
Associate Dean, University of Delaware, College of Marine Studies, 1986-1988. Professor, University of Delaware, School of Marine Science & Policy (formerly College of Marine Studies) 1986-present; Joint appointments in Delaware's Chemistry & Biochemistry Department; Civil and Environmental Engineering Department; Plant and Soil Department.

INTERIM EXPERIENCE:

Marine Biological Laboratory, Visiting Professor, August 1981, and July, 1983-1985.
College of Marine Studies, University of Delaware, June 1984 and June 1985.
EAWAG, Dübendorf, Switzerland, Distinguished Visiting Professor, March 24 -April 7, 1990.
University of Cardiff, Wales, Dept. of Geology, Senior Royal Fellow, Sept. 17 - Dec. 8, 1993.
University of Hawaii, School of Ocean and Earth Science and Technology, Visiting Professor, Jan. 17 -
April 1, 1994.
Distinguished Visiting Professor, University of Cardiff, Wales, Dept. of Geology, January 1996 - present.
Distinguished Visiting Professor, Department of Chemistry, University of Buenos Aires, Argentina,
August 15-20, 2010.
Distinguished Visiting Professor, Institut National Polytechnique de Toulouse, Ecole Nationale
Supérieure des Ingénieurs en Arts Chimiques et Technologiques (INPT-ENSIACET-LCA),
November 5 – December 3, 2011.

SELECTED EXTERNAL COMMITTEE SERVICE:

Organizer and president, "Results of the Gaseous Sulfur Intercomparison Experiment (GASIE) for SO₂,
Spring AGU meeting, May 20, 1996, Baltimore, MD; Leader and Coordinator for the NSF
funded GASIE program, 1992-1995; Special Section Editor of JGR Atmospheres 102 (13)(1997).
Guest co-Editor with E. A. Boyle, *Chemical Reviews* special issue on *Chemical Oceanography*, Feb. 2007.
Member of the U.S. National Committee for the International Union of Geodesy and Geophysics
(USNC/IUGG), 2000-2007.
Ocean Research Interactive Observatory Network (ORION) executive steering committee member, 2004-
2006.
Replacement Human occupied vehicle Oversight Committee (RHOC) member, for the new DSV *Alvin*,
2006 – 2013.
The Oceanography Society (TOS) committee to elect Fellows to TOS, 2007 – 2010; Chair 2009 - 2010.
DESSC (DEep Submergence Science Committee) member, 2009 – 2016.
InterRidge SCOR (IR-SCOR) working group on "Hydrothermal energy transfer and its impact on ocean
carbon cycles". 2009 - present.
RIDGE R2K Steering Committee, 2009 – 2012.
Goldschmidt 2012 Conference in Montreal Canada, Scientific Committee Member, 2010 – 2012.
Plenary Speaker and Theme Leader for NSF Come Aboard workshop (Chemical Oceanography
MEeting: A Bottom-Up Approach to Research Directions), Oct. 2016.
Associate Editor, *Marine Chemistry* 1995-present.
Editor-in-chief, *Aquatic Geochemistry* 2002-present; Associate Editor 1993-2001.
Associate Editor, *Frontiers in Microbiological Chemistry*, 2011 - present.

RESEARCH INTERESTS:

Marine Chemistry; Electrochemistry; chemical sensor development; trace element speciation in marine
waters and sediments; biogeochemical processes in marine environments including deep-sea
hydrothermal vents; Geomicrobiology; application of the principles of physical chemistry
including molecular orbital theory to geochemistry.

PUBLICATIONS:

Published over 250 papers in the scientific literature (4 in *Nature*; 4 in *Science*; 2 in *PNAS*; 1 in *Nature
Geoscience*; 1 in *Nature Communications*). A list can be provided on request or can be downloaded at
<http://www.ocean.udel.edu/people/profile.aspx?luther>. ISI Thompson Researcher ID: A-6384-2008.
Google scholar: <http://scholar.google.com/citations?user=AU7fhEAAAAAJ&hl=en&oi=ao>
BOOK: *Inorganic Chemistry for Geochemistry and Environmental Sciences: Fundamentals and
Applications*. 2016. John Wiley & Sons Ltd, 456 pages. Identifiers: LCCN 2015047266 | ISBN
9781118851371 (cloth) <http://onlinelibrary.wiley.com/book/10.1002/9781118851432>