

DAVID A. DZOMBAK, PhD, PE, BCEE, DWRE, Dist.M.ASCE, NAE

Carnegie Mellon University

Dept. of Civil and Environmental Engineering, Pittsburgh, PA 15213

phone: 412-268-2946, email: dzombak@cmu.edu, www.cmu.edu/cee/people/faculty/dzombak.html

David Dzombak is Hamerschlag University Professor Emeritus in the Department of Civil and Environmental Engineering at Carnegie Mellon. His professional focus is on water quality engineering, water resource sustainability, and energy-environment issues. At Carnegie Mellon he has served as Department Head for Civil and Environmental Engineering (2013-2022), Associate Dean for Graduate and Faculty Affairs for the College of Engineering (2006-2010), Director of the Steinbrenner Institute for Environmental Education and Research (2007-2013), and Interim Vice Provost of Sponsored Programs (November 2012-August 2013).

Dzombak received his Ph.D. in Civil Engineering from the Massachusetts Institute of Technology in 1986. He also holds an M.S. in Civil Engineering (1981) and a B.S. in Civil Engineering (1980) from Carnegie Mellon, and a B.A. in Mathematics from Saint Vincent College (1980). He is a registered Professional Engineer in Pennsylvania, a Board Certified Environmental Engineer, a Diplomate Water Resources Engineer, and a member of the National Academy of Engineering.

Dzombak's research and professional interests include: aquatic chemistry; fate and transport of chemicals in water, soil, and sediment; water and wastewater treatment; in situ and ex situ soil and sediment treatment; industrial waste management; abandoned mine drainage remediation; climate change adaptation for infrastructure; water resource sustainability; energy and environment; and public communication of civil and environmental engineering. He has published numerous articles in leading environmental engineering and science journals; book chapters; articles for the popular press; and three books. He also has a wide range of consulting experience.

His professional service activity has included the National Academies Roundtable on Science and Technology for Sustainability (2013-2021); National Academies Roundtable on Unconventional Hydrocarbon Development (2015-2019); National Academies Water Science and Technology Board (2014-2019); ASCE Industry Leaders Council (2020-present); ASCE Committee on Education (2018-present); the EPA Science Advisory Board (2002-2016); the DoD Strategic Environmental Research and Development Science Advisory Board (2013-2016); Editorial Advisory Board for *ACS Sustainable Chemistry & Engineering* (2012-2016); Associate Editor of *Environmental Science & Technology* (2005-2012); Editorial Board of *Water Environment Research* (1993-1998) and *Ground Water* (1991-1993); Chair, Board of Directors, AEESP Foundation (2012-2014); Board of Directors and Officer (Treasurer) of the Association of Environmental Engineering and Science Professors (1996-1999); chair of committees for the American Academy of Environmental Engineers and Scientists, American Society of Civil Engineers, and Water Environment Federation; advisory committees for Allegheny County, the Commonwealth of Pennsylvania, and numerous universities and organizations.

Dzombak was elected to the National Academy of Engineering in 2008. Other recognitions include Fellow status in AEESP (2013), WEF (2012), and ASCE (2002); an honorary Doctor of Science degree from Saint Vincent College (2010); Kappe Lecturer (2021) and Gordon Maskew Fair Award (2019) from AAEEES; Jack Edward McKee Medal (2000) and the Harrison Prescott Eddy Medal (1993) from WEF; Aldo Leopold Leadership Program Fellowship (2000); Distinguished Lecturer Award (2011) and Distinguished Service Awards (1999,2015) from AEESP; Distinguished Member (2019), Simon W. Freese Environmental Engineering Award (2014), and the Walter L. Huber Civil Engineering Research Prize (1997) from ASCE; and NSF Presidential Young Investigator Award (1991).