

CV of TIMOTHY D. BECHTEL, Ph.D., P.G.



EDUCATION

Ph.D., Geophysics, 1989, Brown University, Providence, RI
M.Sc., Geology (Rock Mechanics), 1984, Brown University, Providence, RI
B.Sc., Geology, 1982, Haverford College, Haverford, PA

EXPERIENCE

Jan. 2009 – Present: Adjunct Professor, then Visiting Scholar, then Visiting Professor, then Director of Science Outreach and Associate Teaching Professor, Franklin and Marshall College, Lancaster, PA
Feb. 2018 – Present: Senior Geophysics Project Manager, Rettew, Lancaster, PA
Oct. 2000 – August 2016: Adjunct Graduate Professor, University of Pennsylvania, Philadelphia, PA.
Feb. 1992 – February 2018: Principal Geophysicist, Enviroscan, Inc., Lancaster, PA.
Jun. 1989 - April 1992: Geophysics Division Manager, Tethys Consultants, Inc., Harrisburg, PA.
Jul. 1988 - May 1989: Branch Manager, Kurz Associates, Inc., Providence, RI.
Mar. 1987 - June 1988: Geology/Geophysics Project Manager, Kurz Associates, Inc., Bridgewater, MA.

PROFESSIONAL REGISTRATIONS AND AFFILIATIONS

Certified Professional Geologist (PG) in Pennsylvania (and all other states with ASBOG reciprocity)
Member - Society of Exploration Geophysicists (SEG), American Geophysical Union (AGU), Geological Society of America (GSA), Association of Engineering Geologists (AEG), Engineering and Environmental Geophysical Society (EEGS), International Association of Hydrogeologists (IAH), Institute of Electrical and Electronics Engineers (IEEE)
Appointed Member – IAH Karst Commission
Associate Editor – Hydrogeology Journal, Journal of Sensing & Imaging

CONTINUING EDUCATION

Borehole Geophysical Logging Course, COLOG, Inc., 1994	Borehole Geophysical Logging Course, Pennsylvania Council of Professional Geologists, 2006
OSHA Process Safety Management Training, 1999	Penn State University Radiation Site Workers Training, 2007
Advanced Differential and Real-Time Global Positioning Systems (GPS) Training, Trimble Navigation, 1998	US Department of Energy Radiation Site Workers Training, 2008
High-Resolution Shallow Geophysics Short Course, University of Arizona, 1997	Level I Thermography Certification, 2008
US Department of Defense Radiation Site Workers Training, 1996	Loss Prevention Systems (LPS) Training with Annual Updates, 2009 – present
Underwater Gravity Training Course, LaCoste & Romberg, Inc., 1996	Development Issues in the Major Shale Plays, Rocky Mountain Mineral Law Foundation, 2010
Shallow Seismic Reflection Course, SEG, 1993	In-Depth Introduction to Hydraulic Fracturing, EUPG, 2012
Ground Penetrating Radar Training, Geophysical Survey Systems, Inc., 1987	Borehole Flowmeter Measurement and Analysis Course, Midwest GeoSciences Group, 2012
Advanced GPR Courses 1991, 2001	Advanced High-Resolution Shallow Seismic Reflection, Kansas Geological Survey, 2013
Geoarchaeology Short Courses, Z Environmental, 1991 and 1992	Underground Mining Methods and Equipment, EduMine, 2013
Engineering Geophysics Course, SEG, 1990	Blast and Vibration Monitoring and Control, Pennsylvania Council of Professional Geologists, 2014
US Army Ordnance Recognition Training, 1995 and 1996	Hydraulic Fracturing and the New York Moratorium, NYS Geological Survey, 2014
Electromagnetics Training Course, Geonics, Ltd., 1988	Dye Tracing in Karst Aquifers, Edwards Aquifer Authority, 2014
OSHA 40-hour Hazardous Waste Site Workers Training with Annual 8-hour Updates, 1988 – present	Climate Science, University of Queensland, 2015
US Army Corps of Engineers Short Course on Unexploded Ordnance (UXO), SAGEEP, 2002	Underground Mining Practice, EduMine, 2017
Borehole Geophysical Logging Course, Robertson Geologging, 2004	Underground Mining Methods and Equipment, EduMine, 2018

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