

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

EDUCATION

Ph.D., Geophysics, 1989, Brown University, RI

M.Sc., Engineering Geology, 1984, Brown University, RI

B.Sc., Geology, 1982, Haverford College, PA

EXPERIENCE

October 2000 - Present: **Adjunct Graduate Professor of Applied GeoSciences**, Department of Earth and Environmental Sciences, University of Pennsylvania, Philadelphia, PA.

Teach courses and supervise research in geophysics and geocomputation.

February 1992 - Present: **Principal Geophysicist**, Envirosan, Inc., Lancaster, PA.

Supervise all scientific operations. Develop technical proposals and provide technical review of all work products.

June 1989 - April 1992: **Geophysics Division Manager**, Tethys, Inc., Harrisburg, PA.

Designed and conducted soil, groundwater, bedrock, marine, and borehole geophysical studies. Supervised technical, administrative, and marketing operations of Geophysics Division. Served as corporate scientific advisor/reviewer for all other divisions of the firm.

July 1988 - May 1989: **Branch Manager**, Kurz Associates, Inc., Providence, RI.

Opened and supervised technical operations of branch office of a civil, geotechnical, geophysical, and environmental engineering firm.

March 1987 - June 1988: **Geology/Geophysics Project Manager**, Kurz Associates, Inc., Bridgewater, MA.

Performed geologic, hydrogeologic, environmental, and geophysical studies.

PROFESSIONAL REGISTRATIONS, AFFILIATIONS, AND PUBLICATIONS

Certified Professional Geologist (PG) in Pennsylvania

Member - *Society of Exploration Geophysicists (SEG)*, *American Geophysical Union (AGU)*, *Engineering and Environmental Geophysical Society (EEGS)*, *Association of Engineering Geologists (AEG)*, *Geological Society of America (GSA)*

Frequent invited lecturer at universities, national, and international symposia and courses

Twelve refereed publications, eighteen abstracts

CONTINUING EDUCATION

Borehole Geophysical Logging Course, Robertson Geologging, 2004, COLOG, Inc., 1994

US Army Corps of Engineers Course on Unexploded Ordnance (UXO), SAGEEP, 2002

Advanced Global Positioning Systems (GPS) Training, Trimble Navigation, 1998

High-Resolution Shallow Geophysics Course, University of Arizona, 1997

US Department of Defense Radiation Site Workers Training, 1996

Underwater Gravity Training Course, LaCoste & Romberg, Inc., 1996

US Army Ordnance Recognition Training, 1995 and 1996

Shallow Seismic Reflection Course, SEG, 1993

Ground Penetrating Radar Training, GSSI, 1987, Advanced Courses 1991, 2001

Geoarchaeology Courses, Z Environmental, 1991 and 1992

Engineering Geophysics Course, SEG, 1990

Electromagnetics Training Course, Geonics, Ltd., 1988

OSHA Process Safety Management Training 1999

OSHA 40-hour HAZWOPER Training with Annual 8-hour Updates, 1988 - present