Dimitri Bevc, Ph.D.
3DGeo Development, Inc.
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EDUCATION:

Stanford University
Doctor of Philosophy in Geophysics, September 1995.
Advisor: Professor Jon F. Claerbout.
Dissertation: Imaging under rugged topography and complex velocity structure.

University of California, Berkeley
Master of Science in Engineering Geoscience, December 1989.
Bachelor of Arts in Geophysics, December 1984.

PROFESSIONAL EXPERIENCE:

1995–present **3DGeo Development, Inc.,** Palo Alto, CA.
Principal, Director of Product Development.
Implementation and development of commercial three-dimensional seismic imaging software on a variety of computer platforms. Activities include providing consulting services to clients, and processing of two- and three-dimensional seismic data. Applications of novel imaging algorithms have led to improved imaging of geological structures in difficult data areas. Duties include business operations, proposal and report writing, and project management.

1990, 1991 **Chevron Exploration & Production Services,** San Ramon, CA.
Geophysicist.
Evaluated the applicability and limitations of refraction statics in areas of rugged topography. This work led to the establishment of practical constraints which resulted in more accurate static solutions that were geologically valid and improved imaging. Investigated the relationship between sonic logs and seismic data to determine the effects of anisotropy. The identification of anisotropic layers and improvements in velocity analysis resulted in better imaging and interpretation.

1987–1991 **Lawrence Berkeley Laboratory,** Berkeley, CA.
Research Assistant, Earth Science Division.
Performed research on electromagnetic and resistivity methods applied to monitor subsurface processes for environmental and enhanced oil recovery objectives. Developed a multi-channel borehole-to-surface electrical monitoring system which was used to determine three-dimensional conductivity structure and map groundwater flow. Other projects in-

cluded inductive borehole logging, numerical modeling, and integration of geophysical methods to determine geological structure.

1984–1987 **Electromagnetic Surveys,** Berkeley, CA.
Geophysicist, Crew Chief.
Applied electromagnetic, resistivity, and induced polarization surveys to geothermal, mineral, and petroleum exploration. Was responsible for supervising crews of up to eight people, processing and interpreting data, and preparing reports. Field experience in Alaska, California, Canada, Maine, Nevada, New Mexico, and Wisconsin. Research projects included analog scale modeling and computer programming.

TEACHING EXPERIENCE:

1993–1994 **Stanford University, Department of Geophysics,**
Teaching Assistant.
Assistant to Professor Jon F. Claerbout for the courses *Imaging the Earth's Interior* and *Environmental Soundings Image Enhancement.* Assistant to Professor Stewart A. Levin for the course *Seismogram Decomposition.* In addition to giving lectures, helping students, and grading student's assignments, duties included preparing exercises, computer labs and exams.

1982–1985 **UC Berkeley, Department of Recreational Sports.**
Instructor.
Taught rock climbing, skiing, and other outdoor skills to university students and the general public.

PUBLICATIONS:

"Imaging complex structures with semi-recursive Kirchhoff migration", Bevc, D., *accepted for publication in Geophysics,* (1996).

"Flooding the topography: Wave-equation redatuming of land data with rugged acquisition topography", Bevc, D., *accepted for publication in Geophysics,* (1996).

"Plumes: Response of time migration to lateral velocity variation", Bevc, D., Black, J.L., and Palacharla, G., *Geophysics* **60**, *1118-1127* (1995).

"Borehole-to-surface electrical resistivity monitoring of a salt water injection experiment", Bevc, D. and Morrison, H. F., *Geophysics* **56**, *769–777,* (1991).

EXPANDED ABSTRACTS:

"Imaging complex structures with first-arrival traveltimes", Bevc, D., *65th Ann. Internat. Mtg., Soc., Expl. Geophys., Expanded Abstracts, 1189–1192,* (1995).

"Near-surface velocity estimation", Bevc, D., *64th Ann. Internat. Mtg., Soc., Expl. Geophys., Expanded Abstracts, 996–999,* (1994).

"Anti-aliased Kirchhoff 3-D migration", Lumley, D.E., Claerbout, J.F., and Bevc, D., *64th Ann. Internat. Mtg., Soc., Expl. Geophys., Expanded Abstracts, 1282–1285,* (1994).

“Anti-aliased Kirchhoff migration”, Lumley, D.E., Claerbout, J.F., and Bevc, D., *56th Ann. Internat. Mtg., European Assoc. Expl. Geophys., H027* (1994).

“Data-parallel wave equation datuming with irregular acquisition topography”, Bevc, D., *63rd Ann. Internat. Mtg., Soc., Expl. Geophys., Expanded Abstracts, 197–200,* (1993).

“Borehole-to-surface electrical resistivity monitoring of a salt water injection experiment”, Bevc, D. and Morrison, H. F., *59th Ann. Internat. Mtg., Soc., Expl. Geophys., Expanded Abstracts, 216–218,* (1989).

AWARDS: Cecil H. Green Fellowship, 1991–1992, Stanford University.
Jane Lewis Fellowship, 1988–1989, University of California.
Chevron Fellowship, 1987–1988, University of California.

AFFILIATIONS: Society of Exploration Geophysicists. American Geophysical Union.

OTHER: Licensed Private Pilot. Fluent in Slovene. United States citizen.