Alexander Mihai Popovici
Department of Geophysics
Stanford University
Stanford, CA 94305, USA
Tel: (415) 723-1250

OBJECTIVE: Position as a research geophysicist.

EDUCATION:

1988-1994 **Stanford University,** Stanford, California.
Ph.D. Geophysics.
Advisor: Professor Jon F. Claerbout.

1988-1990 **Stanford University**, Stanford, California.
M.S. Geophysics.

1982-1986 **University of Bucharest**, Bucharest, Romania.
B.S. Geophysical and Geological Engineering.

EXPERIENCE:

1989-1994 **Research Assistant.**
Stanford University, Stanford, California.
Work on MZO in variable velocity, 3-D travel time algorithms, 3-D phase-shift migration algorithms, parallel computing, and variable velocity datuming.

1990-1991 **Teaching Assistant.**
Stanford University, Stanford, California.
Assisted Jon Claerbout in teaching the courses on Processing versus Inversion and Imaging the Earth Interior.

1990,1991 **Research and Development Intern.**
Halliburton Geophysical Services, Houston, Texas.
Designed, coded, and tested PSPI and split-step migration algorithms in 3-D and 2-D media. Designed, coded, and tested a depth-variable velocity DMO algorithm.

1987-1993 **Staff Engineer, Magnetic Recording and Software Development.**
Guzik Technical Enterprises, San Jose, California.
Developed and coded algorithms for magnetic disk testing, device drivers, user interface, and graphics. Supervised and coordinated quality control for Guzik testers. Wrote the user's manuals for robot control operations and several disk and media tests. Provided customer training.

1985-1986 **Software Engineer.**
Institute for Calculation Technique, Bucharest, Romania.
Worked as part of a team for creating educational software in Basic.

1985-1986 **Research Assistant, Electrical Prospecting.**
University of Bucharest, Bucharest, Romania.
Worked on mathematical modeling of electrical field measurements for improving the interpretation of resistivity charts. The report was awarded the First Prize for Student Research in 1986.

COMPUTER EXPERTISE:

IBM 360 → 3090 (Fortran).
Convex C-1, C-2 (Fortran, C, System administration)
IBM RS/6000 (Fortran, C)
Sun 3,4,Sparc,10,20 (Fortran, C, System administration)
Thinking Machines CM-2, CM-5 (CM-Fortran, System administration)
Maspar MP1, MP2 (MP-Fortran)
DOS PCs 286, 386, 486 (Fortran, C, graphics).

PERSONAL: American citizen. Member SEG, SPIE.