

LANBO LIU

Education:

- Ph. D. in Geophysics, Stanford University, 1993.
- M. S. in Civil and Environmental Engineering, Stanford University, 1992.
- M. S. in Geophysics, Peking University, 1981.
- B. S. in Geophysics, Peking University, 1978.

Professional Experience:

- 09/02 – prest. Associate Professor of Geophysics, University of Connecticut.
- 09/01 – prest. Expert of Geophysics, US Army Corps of Engineers, Cold Regions Research and Engineering Laboratory.
- Summer 98-00 Visiting Scientist, NASA Goddard Space Flight Center.
- Summer 96-97 Visiting Scientist, Schlumberger-Doll Research.
- 09/95 – 08/02 Assistant Professor of Geophysics, University of Connecticut.
- 11/93 - 08/95 Carnegie Fellow (postdoctoral), Department of Terrestrial Magnetism, Carnegie Institution of Washington.
- 06/90 - 10/93 Geophysicist, JR Associates; Geotechnical Engineer, Buller Group, summer and part time.
- 09/88 - 10/93 Research Assistant, Dept. of Geophysics, Stanford University.
- 09/87 - 08/88 Research Assistant, Center for Earthquake Research and Information, University of Memphis.
- 11/81 - 08/87 Geophysicist and Project Chief, Center for Analysis and Prediction, State Seismological Bureau (SSB, now China Earthquake Administration).
- 03/78 - 09/78 Geophysicist, Beijing Seismological Bureau.

Honors and Awards:

- The Carnegie Fellowship, 1993-1995.
- The Kauffman Award in earth sciences, 1993.
- The Donath Fellowship in earth sciences, 1992.
- McGee Annual Award for promoting new research, 1989.

Membership:

- American Geophysical Union (AGU).
- Seismological Society of America (SSA).
- Society of Exploration Geophysicists (SEG).
- Environmental and Engineering Geophysical Society (EEGS).
- Acoustic Society of America (ASA).

Professional Services:

- Associate Editor, *Geophysics* (SEG Society Journal), (2003-)
- Review Panelist, the Army Small Business Innovation Research Program, 2002.
- Review Panelist, the National Earthquake Hazard Reduction Program, 2001.
- Session Chair, the 8th and 9th International Conferences on Ground Penetrating Radar (GPR '00, and GPR '02).

Committee Member of Engineering Geology, Transportation Research Board, National Research Council (NRC).

Technical Committee Member of the 7th and 10th International Conference on Ground Penetrating Radar (GPR '98, GPR'04).

Representative, the University Navigation Consortium (UNAVCO).

Alternate, the Incorporated Research Institutions for Seismology (IRIS).

Grant proposal reviewer for NSF, USGS, UConn Research Foundation.

CURRENT RESEARCH

Subsurface imaging through geophysical (seismic, electric, and radar) surveys for engineering and environmental purposes;

Modeling wave propagation through finite difference time domain methods;

Battlefield environment and unattended ground sensor network;

Geophysical detection of fluid flow in fractured rocks.

TEACHING

Geology 229: Engineering Geology

Geology 228/328: Introductory Applied and Environmental Geophysics

Geology 277/377: Exploration and Engineering Seismology

Geology 278/378: Environmental and Engineering Geophysics

GRADUATE EDUCATION:

Twelve Graduate Students Supervised as the Major Advisor, 4 graduated.

Six Graduate Students Supervised as Associate Advisor, 3 graduated.