

CURRICULUM VITAE

LAWRENCE L. MALINCONICO, JR.

I. PERSONAL

Address:
821 Paxinosa Ave.
Easton, PA 18042

(610) 252-8944

Department of Geology and
Environmental Geosciences
Lafayette College
Easton, PA 18042
(610) 330-5195

Born: April 24, 1952, Hartford, Connecticut

II. EDUCATION

Degrees:

1970 - 1974 Dartmouth College, Hanover, New Hampshire
A.B. Cum Laude, June 1974
Major in Earth Sciences with High Distinction.

1976 - 1978 Dartmouth College, Hanover, New Hampshire
A.M. in Geology, June 1978
Thesis: "SO₂ Mass Flow Variations, Mount Etna Volcano, Sicily".

1979 - 1982 Dartmouth College, Hanover, New Hampshire
Ph.D. in Geology, Fall, 1982
Thesis: "Structure of the Himalayan Suture Zone of Pakistan
Interpreted from Gravity and Magnetic Data".
Awards: 1982 Gary Malone Award

Other:

1974 - 1976 University of Oslo, Norway
Studied Norwegian language and took several courses in geology while
working as a research assistant at the Mineralogy Museum.

1978 - 1979 Michigan Technological University, Houghton, Michigan
Graduate student exchange. Worked with Dr. William Rose and Dr.
Donald Noble.

1979 - May Short Course "Volcanic Rocks and their Vent Areas", Reno, Nevada.

1983 - March Short Course "Well Logging", University of Wisconsin

1984 - May AAPG Short Course "Stratigraphic Interpretation of Seismic Data", Palm
Springs, California

III. PROFESSIONAL EXPERIENCE

- Associate Professor, Department of Geology, Lafayette College: 1989-present.
(Department Head, 1989 - 1997, 2002-03).
- Associate Provost for Academic Affairs, Lafayette College: 1993 - 1998.
(half-time, 1995 - 1998)
- Special Assistant to the Provost, Lafayette College: 1992 - 1993.
- Associate Professor, Department of Geology, Southern Illinois University at Carbondale:
1988 - 1989.
- Assistant Professor, Department of Geology, Southern Illinois University at Carbondale:
1982 - 1988.
- Research Assistant, Department of Earth Sciences, Dartmouth College: 1976 - 1982.
Also Teaching Assistant for Geophysics, Structural Geology,
Remote Sensing, and Field Courses.
- Geologist, Anaconda Copper Company, Precious Metal Exploration, Montana and Idaho:
June - September 1981.
- Geologist, Climax Molybdenum Company, Buckingham Project, Battle Mountain,
Nevada: June - September 1980.
- Guest Investigator, U.S.G.S. Hawaiian Volcano Observatory, Hawaii: June -
September 1979.
- Teaching Assistant, Department of Geology, Michigan Technological University: 1978 -
1979; Structural Geology and Applied Geochemistry.
- Research Assistant (field and laboratory experience), Mineralogy Museum, Oslo,
Norway: 1974 - 1976.
- Field Assistant/Computer Programmer, Environmental Measurements, Inc., Annapolis,
MD: summer and December, 1973; February and March, 1978.

IV. TEACHING EXPERIENCE

- Teaching Interests and Specialties: Applied Geophysics, Seismology, Tectonics,
Volcanology, Geological Disasters, Field Geology, Petrology, and Structural Geology.
- Teaching Awards:
Marquis Distinguished Teaching Award, Lafayette College, 2002
- Teaching and Training Grants:
Undergraduate Teaching Fellowship, Southern Illinois University, Summer, 1987
- Professorial Grant, American Association of Petroleum Geologists, for Short
Course "Stratigraphic Interpretation of Seismic Data", May, 1984
- Mini-Sabbatical to Aid Instruction, Southern Illinois University, Spring, 1984

Courses Taught at the College/University Level:

Earth Sciences	Physical Geology
Quantitative Methods in Geology	Tectonics
Elementary Exploration Geophysics	Solid Earth Geophysics
Gravity and Magnetism	Applied Seismology
Field Course in Geophysics	Structural Geology
Igneous and Metamorphic Petrology	Geological Evolution of Hawaii
Geological Disasters	

My teaching evaluations have been consistently high. At Lafayette College, where teaching is a much more valued activity than it was at Southern Illinois University, I have averaged over 4 out of 5 on our numeric evaluation scale. Copies of my numeric and written evaluations are available upon request.

V. COLLEGE/UNIVERSITY SERVICE

College and University Committees and Councils:

Lafayette College (Academic):

Curriculum Committee (1990 - 1993, 2000-03, chair 1992-93, 2001-03)
Video-conferencing Advisory Committee (1995 - 1998, chair)
Off-Campus Programs Advisory Committee (1995 - 1997)
College-wide ad hoc Committee on Curricular Review (1991)
Joint Athletics Committee (1993-1996, chair: 1994-96)
Mellon Science Course Developmental Committee (1990 -)
Environmental Science Minor Advisory Committee (1990 - 1992)
Luce Foundation Proposal - ad hoc Committee (1992)

Lafayette College (Administrative):

Provost's Council (1993 - 1995)
Academic Council (1993 - 1995)

Southern Illinois University:

Membership Committee, Sigma Xi (1984 - 1987)
College of Science Outstanding Teacher Committee (1988 - 1989)
Southern Illinois Earthquake Response Group (1986 - 1989)
College of Science Lecture Series Committee (1984 - 1985)

Department Committees:

Southern Illinois University:

Computer Committee (1982 - 1989)
Curriculum Committee (1983 - 1986)
Doctoral Guidelines Committee(ad hoc) (1986)
Library Committee (1982 - 1983)
MS Admissions Committee, Chairman (1986 - 1989)

Lafayette College:

Curriculum Evaluation Committee - Geology Department (Chair, 1989-1990)

VI. PROFESSIONAL SERVICE

Membership in Professional Associations:

The Geological Society of America
American Geophysical Union
Council for Undergraduate Research
National Association of Geology Teachers
Sigma Xi

Offices Held in Professional Associations:

Geophysics Division, Geological Society of America
- second vice-chair in 1991, vice-chair in 1992 and chair in 1993-94
Department Representative for Geological Society of America (1984 - present)
Department Correspondent for U.S. Geodynamics Committee (1984 - 1989)
Member, IBM Academic Computing Conference Program Committee (1990-93)
Council for Undergraduate Research - Counselor (1993 - 1996)

Consultantships: Environmental Measurements, Inc., 1973, 1978
U.S. Geological Survey, 1979, 1980, 1985
Oil Exploration in the Eastern Illinois Basin, 1984 - present
Government of Kuwait, 1985
Billiton Exploration, 1986
Illinois Department of Mines and Mineral Resources, 1987
Pioneer Oil Company, 1988
Hux Oil Company, 1988 - present
Anchor BAY Oil Company 2002-present
Silver Bow Resources, 1989
William and Mary College, 1991

Evaluation of Manuscripts for Journals and Book Publishers and of Grant Proposals for Agencies:

Journals:

Journal of Geophysical Research
Journal of Volcanology and Geothermal Research
Bulletin of Volcanology
Bulletin of the Geological Society of America
Geology
Tectonics
Bulletin Volcanologic

Book Publishers:

Academic Press
Holt, Rinehart and Winston
Merrill Publishing
Prentice Hall
Saunders College Publishing (HBJ)
Southern Illinois University Press
William C. Brown Publishing

Agencies

National Science Foundation
National Geographic Society
Earthwatch
National Research Council

Other Professional Activities

Geological Society of America, symposium convener and Special Paper Editor "Geophysics and Tectonics of the Western Himalaya", G.S.A. Annual Meeting San Antonio, November 9-13, 1986.

Chair, geophysical session on magnetics at the annual meeting of the Geological Society of America, October, 1988.

Chair, session on computer applications in the earth sciences at the 1989 IBM Academic Computing Conference, Anaheim, California.

Chair, geophysical session at the annual meeting of the Geological Society of America, November, 1989.

Geological Society of America, symposium convener "Computer Applications in Geology", SE/NE G.S.A. Sectional Meeting, Baltimore, MD, March, 1991.

Chair, two sessions on computer applications in the sciences at the 1991 IBM Academic Computing Conference, Anaheim, California.

Geological Society of America, symposium convener "Geological Education in the 21st Century", NE G.S.A. Sectional Meeting, Harrisburg, PA, March, 1992.

Chair, geophysical session at the annual meeting of the Geological Society of America, October, 1992.

Chair, geophysical session at the annual meeting of the Geological Society of America, October, 1993.

VII. RESEARCH

Research Interests and Specialties:

Applied Geophysical, Tectonic and Structural Studies
Geophysical Evaluation of Mass-wasting Processes and Products
Geophysical Application to Environmental Problems
Volcanology
Computer Applications in Geology

Research and Academic Support:

Since 1982 I have, as principal or co-principal investigator, or consultant, written and submitted a total of 34 proposals for research support to the following agencies (number of proposals submitted to each agency in parentheses):

Andrew Mellon Foundation (1)
National Science Foundation (7)
USAID (4)
U.S. Geological Survey (3)
SIUC Research Development and Administration (3)
Illinois State Geological Survey (3)
Atlantic Richfield Foundation (2)
U.S. Bureau of Mines-National Mined Land Reclamation Center (2)
Pew Foundation (1)
Research Corporation (1)
Texas Instruments Foundation (1)
American Chemical Society(PRF) (1)
Department of Education(FIPSE) (1)
IBM (1)
Department of Energy (1)
Conoco Oil Company (1)
Terradex Corporation (1)

I have also helped to develop a number of proposals that were subsequently submitted to Foundations for support of College-wide efforts to support curricular innovation and facilities improvement. This has included efforts directed towards:

Mellon Foundation
Pew Charitable Trusts
Luce Foundation
Proctor and Gamble

I have been extremely successful in these endeavors having received 28 awards totaling over \$1.3 million dollars. (A list of the grants received is included as an attachment).

Publications:

To date, I have 23 published papers, 53 published abstracts, 2 published books and 6 pieces of published software. (A list of these publications is included as an attachment).

VIII. COMMUNITY SERVICE:

Advisor and Treasurer, Aviation Explorer Post 272, Easton, Pennsylvania
Coach Township Baseball and Softball, 1991 - present
Coach Thunder Youth Hockey, Allentown, Pennsylvania, 1994 - 2001
Coach YMCA Youth Soccer League, 1990 (6-0-2 Record)
Coach - Community Basketball League, 1993, 94 (30-0 Record)
Elderhostel Instructor (1990, 1991)
Seeing Eye Foundation - Seeing Eye Dog , first year care - three dogs
Treasurer, All Saints Lutheran Church, Carbondale, IL
Treasurer, First Presbyterian Church Nursery School, Carbondale, IL

VII. Personal Interests:

Private Pilot, instrument rated
Hockey Referee 1994 - present
Lacrosse Referee, 1996 - present
Crew - Lafayette Assistant Coach