

Elisabeth A. Fraser

62 Carriage House Rd.
Bernardsville, New Jersey 07924
908-766-5247
eaf@FraserResearch.org

EXPERIENCE

- 2002- **FRASER RESEARCH**
Co-founded Fraser Research Inc., a not for profit company organized for charitable and educational purposes. The company does research in science and technology to support a national communications infrastructure, and provides support for graduate education in telecommunications.
- 1984-2002 **THE PECK SCHOOL, MORRISTOWN, NJ**
- 1997-2002 **Member of the Administrative Team**
Contributed to the overall running of the school.
- 1984-2002 **Director of Technology; Chair of the Technology Department**
Led the development of a comprehensive technology program for all students, faculty, and staff. Provided extensive, appropriate professional development for all employees. Managed the department budget. Managed a team of two curriculum coordinators and two tech support professionals.
- 1999-2002 Established a laptop program. Faculty and all 7th and 8th grade students have the personal use of a laptop for school work wherever they may be - whether at home or at school.
- 1994-2002 **Chair, Mathematics Department**
Strengthened and aligned curriculum with state and national standards. Developed an integrated K-8 program. Emphasized faculty professional development. Expanded and improved the faculty's understanding of the use of manipulatives and other tools, including technology in the teaching of mathematics.
- 1969-1971 **UNIVERSITY OF WESTERN ONTARIO**
Assistant Professor, Dept. Engineering and Dept. Applied Mathematics.
Taught undergraduate and graduate courses in mathematics and computing.
- 1964-1969 **UNIVERSITY OF CAMBRIDGE**
- 1967-1969 **Fellow and tutor**, Wolfson College
Counseled new students, primarily from overseas, on non-academic matters.
- 1964-1969 **Faculty member**, Dept. Engineering
Provided programming support, taught undergraduate and graduate courses in mathematics and computing; assisted with other engineering courses.
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EDUCATION

1967	Cambridge University, MA
1963-1964	Cambridge University, Diploma in Numerical Analysis and Automatic Computing
1960-1963	Imperial College, University of London, B.Sc. (Hon.) Mathematics

OTHER ACTIVITIES and AWARDS

1996-2001	Member ISOC judging committee for Thinkquest.
1989-1995	Secretary and Board member, Music at St. Bernard's.
1981-2002	Somerset Hills YMCA Member Technology Committee; Member Personnel Committee; Board Member; Chairman, Aquatic Committee; President, Swim Team Parent's Organization.
1987	Somerset Hills YMCA, Distinguished Volunteer Award.
1979-1984	Borough of Bernardsville, Environmental Commission Designed and coordinated group of 30 volunteers to conduct ground surveys of gypsy moth infestation.
1970-80	Association NJ Environmental Commissions (ANJEC), NJ Conservation Foundation, Local municipalities and organizations. Conducted research, adult instruction, consulting, and preparation of instructional materials on Environmental Resource Inventories.

SELECTED PUBLICATIONS

1986-1996	Co-author, Personnel Policy, Somerset Hills YMCA.
1985-1986	"Introduction to Microsoft Word", Introduction to MSDOS", and "Introduction to Applewriter", Internal Peck School training manuals.
1979-1984	"Gypsy Moth Infestation", Borough of Bernardsville annual reports.
1970-1980	Environmental Resource Inventories for Passaic Township and Chatham Township, NJ "Making Sense Out of Sound" ANJEC report (with A.Morris). "Getting It All Together: The application of Environmental Information to Land Use Planning" ANJEC report (with A.Morris).
1970	"Introduction to Programming and Fortran", U. Western Ontario course notes.
1968	"Beginners Guide to Programming", U. Cambridge course notes.
1964	"Prerequisite Mathematics Skills for Freshmen Engineers", U. Cambridge.