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Zbigniew H. Nitecki

*Research Interests: dynamical systems, graphs, braids,
history*

Personal Information

- Born May 12, 1946
Plymouth, England
- Naturalized U.S. citizen, 1956

Education

- 1962 • Graduated Hyde Park High School, Chicago
- 1965 • SB, Mathematics, University of Chicago
- 1967 • MS, Mathematics, University of California, Berkeley
- 1969 • PhD, Mathematics, University of California, Berkeley
Thesis: *The orbit structure of endomorphisms*
Directed by S. Smale

Positions

- 1980–... • Professor, *Tufts University*
- 1975-80 • Associate Professor, *Tufts University*
- 1972-5 • Assistant Professor, *Tufts University*
- 1971-2 • Assistant Professor, *The City College of New York*
- 1969-71 • Gibbs Instructor, *Yale University*

Visiting Appointments

- 2001,2002 • Gastdocent (Summer Terms), *George-August Universität, Göttingen, Germany*
(under the auspices of the DAAD (Deutscher Akademischer Austauschdienst))
- 1996 • Visiting Professor (Summer), *Institut Non Linéaire de Nice, Sophia-Antipolis, France*
- 1988-95 • Visiting Member (Summers 1988, 1991-3, 2002-3, Academic Year 1994-5), *Institut für Mathematische Stochastik, George-August Universität, Göttingen, Germany*
- 1986 • Visiting Fellow (Summer), *Mathematics Institute, University of Warwick, Coventry, U.K.*

Personal Information (continued)

- 1982-3 • Program Director for Geometric Analysis, *National Science Foundation, Washington, D.C.*
- 1979 • Visiting Associate Professor (Spring Quarter), *Northwestern University*
- Visitor (January-March), *Institut des Hautes Études Scientifiques, Bâres-sur-Yvette, France*
- 1978 • Visiting Associate Professor (Fall Semester), *Lefschetz Center for Dynamical Systems, Brown University*

Publications

Books and Monographs

- 1971 • **DIFFERENTIABLE DYNAMICS: AN INTRODUCTION TO THE ORBIT STRUCTURE OF Diffeomorphisms**
Cambridge, MA: The MIT Press, 1971. 297pp.
- **VVEDENIE V DIFFERENTIAL'NUYU DINAMIKU**
[Russian translation of the above, transl. A. B. Katok; ed. V. M. Alekseev]
Moscow: Izdat. Mir, 1975. 304pp.
- **WEI FENG DONG LI TI XI**
[Chinese translation of the above, transl. Zan Han-shen, Dong Zheng-xi, Ding Tong-ren, Tang Yung; ed. Liao Shan-tao]
Beijing: Beijing Da Xue Shu Xue Xi (Dept. of Math., Beijing Univ.), 1979. ?pp.
- 1982 • **GLOBAL STRUCTURAL STABILITY OF FLOWS ON OPEN SURFACES**
[with J. Kottus, & M. Krych]
MEMOIRS, AMER. MATH. SOC. 37, No. 261 (May 1982)
104 pp.
- 1984-92 • **DIFFERENTIAL EQUATIONS—A FIRST COURSE**
[with M. Guterma]
Philadelphia: Saunders College Publ.
First edition, 1984. 651pp.
Second ed., 1988. 742 pp.
Third ed., 1992. 787 pp. *Reprint of Chaps. 1-5*, 2006: Delhi: Indo American Books

Publications (continued)

- **DIFFERENTIAL EQUATIONS WITH LINEAR ALGEBRA**
[variant of the above, with M. Guterman]
Philadelphia: Saunders College Publ., 1986. 655pp.
- 1991 • **COMBINATORIAL PATTERNS FOR MAPS OF THE INTERVAL**
[with M. Misiurewicz]
MEMOIRS, AMER. MATH. SOC. **94**, No. 456 (Nov. 1991)
112pp.

Conference Proceedings

- 1980 • **GLOBAL THEORY OF DYNAMICAL SYSTEMS**
[co-edited with R. C. Robinson]
Proceedings of an International Conference held at
Northwestern University, June 1979
Lecture Notes in Math. 819. Berlin: Springer Verlag, 1980.
499pp.
- 1981 • **CLASSICAL MECHANICS AND DYNAMICAL SYSTEMS**
[co-edited with R. Devaney]
Lecture Notes in Pure and Applied Math. 70. New York and
Basel: Marcel Dekker, 1981. 237pp.

Scholarly Papers

- 1970 • *Non-singular endomorphisms of the circle*
PROC. SYMP. PURE MATH. **14** (1970) 203-220
- *On semi-stability for diffeomorphisms*
INVENT. MATH. **14** (1970) 83-122
- 1973 • *Factorization of non-singular circle endomorphisms*
M. Peixoto, ed., **DYNAMICAL SYSTEMS**
New York & London: Academic Press, 1973. pp. 367-373.
- *Partitions for circle endomorphisms*
ibid., pp. 375-388.
- 1976 • *Filtrations, decompositions and explosions*
[with M. Shub]
AJM **97** (1976) 1029-1047
- 1978 • *Explosions in completely unstable flows, I. Some examples*
TRANSACTIONS, AMER. MATH. SOC. **245** (1978) 43-61

Publications (continued)

- *Explosions in completely unstable flows, II. Preventing explosions*
TRANSACTIONS, AMER. MATH. SOC. **245** (1978) 63-88
- *A periodic attractor determined by one function*
J. DIFF. EQNS. **29** (1978) 214-234

- 1979
 - *Bifurcation from completely unstable flows in the cylinder*
ANNALS, N.Y. ACAD. SCI **316** (1979) 86-107
 - *Dynamic behavior determined by one function*
J. MATH. ANAL. APPL. **72** (1979) 446-471
 - *Shift automorphisms in the Hénon mapping*
[with R. L. Devaney]
COMM. MATH. PHYS. **67** (1979) 137-146
reprinted R. S. MacKay & J. D. Meiss, eds., **HAMILTONIAN DYNAMICAL SYSTEMS**
Bristol and Philadelphia: Adam Hilger, 1987. pp. 555-565.

- 1980
 - *A note on explosive flows*
in Z. Nitecki & R. C. Robinson, eds., **GLOBAL THEORY OF DYNAMICAL SYSTEMS**
LECTURE NOTES IN MATH. **819** (1980) 364-374
 - *Non-wandering sets of powers of maps of the interval*
[with E. Coven]
ERGODIC THEORY & DYN. SYST. **1** (1980) 9-31
 - *Minimizing topological entropy for maps of the circle*
[with L. Block & E. Coven]
ERGODIC THEORY & DYN. SYST. **1** (1980) 145-149

- 1981
 - *Recurrent structure of completely unstable flows on surfaces of finite Euler characteristic*
AMER. J. MATH. **103** (1981) 143-181

- 1982
 - *Topological dynamics on the interval*
A. B. Katok, ed., **ERGODIC THEORY AND DYNAMICAL SYSTEMS II**
Boston & Basel: Birkhäuser, 1982. pp. 1-73.
[Proc., Special Year, Univ. Maryland, 1979-80]
 - *A note on generic properties of continuous maps*
[with E. Coven & J. Madden]
ibid., pp. 97-101.
 - *Maps of the interval with closed periodic set*
PROCEEDINGS, AMER. MATH. SOC. **85** (1982) 451-456

Publications (continued)

- 1983
- *An extension of Peixoto's structural stability theorem to open surfaces of finite genus*
[with C. Camacho, M. Krych, & R. Mañe]
in J. Palis, ed., **GEOMETRIC DYNAMICS**
LECTURE NOTES IN MATH. 1007 (1983) 60-67
 - *Homoclinic and non-wandering points for maps of the interval*
[with L. Block, E. Coven & E. Mulvey]
ERGODIC THEORY & DYN. SYST. 3 (1983) 521-532
- 1991
- *On roots of piecewise-monotone maps of the interval*
[with A. Blokh, E. Coven & M. Misiurewicz]
ACTA MATH. UNIV. COMENIANAE LX (1991) 3-10
- 1993
- *A combinatorial approach to reducibility of mapping classes*
[with D. Benardete & M. Gutierrez]
in R. Hain & C.-F. Bödigheimer, eds. **MAPPING CLASS GROUPS AND MODULI SPACES OF RIEMANN SURFACES**
CONTEMP. MATH. 150 (1993) 1-31
- 1995
- *Braids and the Nielsen-Thurston classification*
[with D. Benardete & M. Gutierrez]
J. KNOT THEORY & ITS RAMIF. 4 (1995) 549-618
 - *Conformal measures and S -unimodal maps*
[with M. Denker & M. Urbański]
in: R. P. Agarwal, ed. **DYNAMICAL SYSTEMS**
World Scientific Series in Applied Analysis, vol. **4** (1995)
entry**Rank independence and rearrangements of random variables*
[with A. Gnedin]
[math arxiv PR/0505692]
- 1998
- *Conformal measures for rational functions revisited*
[with M. Denker, D. Mauldin & M. Urbański]
FUND. MATH. 157 (1998) 161-173
- 1999
- *Edge-transitive graph automorphisms and periodic surface homeomorphisms*
[with J. Los]
INTERNAT. J. BIFURCATION & CHAOS 9 (1999) 1803-1813
 - *Preimage entropy of mappings*
[with F. Przytycki]
ibid., 1815-1843.

Publications (continued)

- 2000 • *Hamiltonian stability in the plane*
[with X. Jarque]
ERGODIC THEORY & DYN. SYST. **20** (2000) 775-799
- 2002 • *Crossing matrices and Thurston's canonical form for braids*
[with J. Burillo, M. Gutierrez & S. Krstic]
TOPOLOGY AND ITS APPLICATIONS **118** (2002) 293-308
- 2003 • *Entropy and preimage sets*
[with D. Fiebig & U.-R. Fiebig]
ERGODIC THEORY & DYN. SYST. **23** (2003) 1785-1806
- 2004 • *Embedding groups of graph automorphisms in surfaces*
[with J. Los]
TOPOLOGY **43** (2004) 49-69
- 2005 • *Topological entropy of m -fold maps*
[with J. Bobok]
ERGODIC THEORY & DYN. SYST. **25** (2005) 375-401
- 2007 • *Topological entropy of m -fold maps on trees*
[with J. Bobok]
ERGODIC THEORY & DYN. SYST. **27** (2007) 1-31[math
arxiv math.0609299]
- 2008 • *On the genesis of symbolic dynamics as we know it*
[with E. Coven]
COLLOQUIUM MATHEMATICUM **110** (2008) 227-242 [math
arxiv DS/0611322]
• *Topological entropy for nonuniformly continuous maps*
[with B. Hasselblatt & J. Propp]
[math arxiv DS/0511495]

Announcements and Expository Papers

- 1977 • *Explosions in completely unstable dynamical systems*
in A. R. Bednarek & L. Cesari, eds., **DYNAMICAL SYSTEMS**
New York: Academic Press, 1977. pp. 473-475.
[Proc. of a Univ. Florida International Symposium]
- 1985 • *Review of ITERATES OF MAPS ON AN INTERVAL* by C. Preston
in: **SIAM REVIEW** **27** (1985) 470-471

Publications (continued)

- *Review of* COMPUTATIONAL METHODS IN BIFURCATION THEORY AND DISSIPATIVE STRUCTURES by M. Kubicek & M. Marek *in: AMERICAN SCIENTIST* **73** (No. 5: September, 1985) 489-90
- 1987 • *Review of* THE GEOMETRY OF BEHAVIOR by R. Abraham & C. Shaw *in: AMERICAN SCIENTIST* **75** (No. 1: January, 1987) 646-7
- *Review of* DYNAMICAL SYSTEMS III by V. I. Arnol'd (ed.) *in: AMERICAN SCIENTIST* (?)
- 1990 • *Review of* NONLINEAR OSCILLATIONS by P. Hagedorn *in: SIAM REVIEW* **32** (1990) 485-530
- 1993 • *Universal behavior in dynamical systems*
Revised, updated English edition, **THE SOVIET ENCYCLOPEDIA OF MATHEMATICS**
Dordrecht, Netherlands: Kluwer Publ., 1993. pp. .
- 2001 • *Featured Review of* *On entropy and monotonicity for real cubic maps* by J. Milnor & C. Tresser (COMM. MATH. PHYSICS)
MATH. REVIEWS MR 2001e: 37048
- 2003 • *Topological entropy and the preimage structure of maps*
REAL ANALYSIS EXCHANGE **29** (No. 1; 2003/2004) 7-39

Professional Activities

Talks

- 1968 • AMS Summer Conf. on Global Analysis (Univ. of California, Berkeley)
- 1971 • Internat. Symposium on Dynamical Systems (Univ. da Bahia, Salvador, Brazil)
- 1973 • Brown Univ.
- 1974 • Internat. Symposium on Differential Equations (Brown University)
- 1975 • AMS Annual Meeting (Washington, DC)

Professional Activities (continued)

- 1976
- Internat. Symposium on Dynamical Systems (Univ. of Florida, Gainesville)
 - Univ. of Maryland, College Park
 - Univ. of Rhode Island, Kingston
 - Midwest Dynamical Systems Seminar (Univ. of Wisconsin, Madison)
- 1977
- Internat. Symposium on Dynamical Systems (Warsaw, Poland)
 - Conf. on Bifurcation (N. Y. Acad. Sci.)
- 1978
- Columbia Univ.
 - Brown Univ.
- 1979
- Univ. Paris
 - Univ. Rennes
 - M. I. T.
 - Northwestern Univ., Evanston
 - AMS Summer Meeting (Duluth)
- 1980
- Univ. of Michigan, Ann Arbor
 - Bowling Green State Univ.
 - Univ. of Maryland
 - Math. Forschungsinstitut (Oberwolfach, Germany)
 - Summer School on Turbulence (Karpacz, Poland)
 - Univ. of Warsaw
 - Univ. of Wrocław
- 1981
- East Coast Dynamical Systems Seminar (Boston Univ.)
 - Internat. Symposium on Dynamical Systems (IMPA, Rio de Janeiro, Brazil)
 - Math. Forschungsinstitut (Oberwolfach, Germany)
 - Case Western Reserve Univ., Pittsburgh
 - Concordia Univ., Montreal
- 1982
- Northeastern Univ., Boston
 - AMS Summer Conf. on Ergodic Theory (Durham, NH)
 - Univ. of Florida, Gainesville
 - AMS Meeting (College Park, Md.)
- 1983
- Univ. of Maryland, College Park
 - Univ. of Pennsylvania, Philadelphia

Professional Activities (continued)

- City University of New York
- 1986 • Math. Forschungsinstitut (Oberwolfach, Germany)
- 1987 • Valley Geometry Seminar (Amherst, MA)
- 1988 • Univ. of North Carolina, Charlotte
• Third Piedmont Math. Conf.
• Göttingen University, Germany
- 1989 • First Southeastern Dynamics Conf. (Auburn, Alabama)
- 1990 • New York Dynamical Systems Seminar (CUNY)
• Boston Univ.
• Third Czechoslovak Summer School on Dynamical Systems (Stara Tura, Czechoslovakia)
• Göttingen Univ., Germany
• Univ. of Warwick, Coventry, UK
• Northwestern Univ., Evanston
- 1991 • Math. Institute, Munich
- 1992 • ETH, Zürich
• Tübingen Univ., Germany
• Dynamical Systems & Related Topics Workshop (Penn. State Univ.)
- 1993 • Institut für Math. Stochastik, Berlin (3 talks)
- 1994 • Internat. Conf., *Thirty Years After Sharkovsky's Theorem: New Perspectives* (La Manga, Spain)
Featured Speaker
• Institut für Math. Stochastik, Berlin
• Freie Universität, Berlin
- 1995 • Univ. Autònoma, Barcelona
• Institut Nonlinéaire de Nice, France
- 1997 • Internat. Symposium on Dynamical Systems in memory of W. Szlenk (Univ. Autònoma, Barcelona)
Featured Speaker
• Dynamical Systems & Related Topics Workshop (Penn. State Univ.)

Professional Activities (continued)

- Boston Univ.
- 1998
 - Dynamical Systems & Related Topics Workshop (Penn. State Univ.)
 - SUNY Stony Brook
- 1999
 - AMS-Sociedad Mexicana Mat. Joint Meeting (Denton, TX)
- 2001
 - Conf. on Nonhyperbolic Dynamical Systems (Göttingen, Germany)
 - Dynamical Systems & Related Topics Workshop (Penn. State Univ.)
- 2002
 - Stochastics Seminar, Miniconf. on Stochastics and Dynamics (Göttingen, Germany)
 - New Directions in Dynamical Systems (ICM Satellite Conf.) (Kyoto, Japan) **Invited Speaker**
 - AMS Meeting (Boston, MA)
- 2003
 - Boston Univ.
 - Univ. Autónoma, Barcelona
 - Twenty-Sixth Summer Symp. on Real Analysis (Silesian Univ., Opava, Czech Rep.) **Featured Speaker**
- 2004
 - Wesleyan Univ., Middletown, CT
 - Internat. Symposium on Dynamical Systems in memory of J. Masserá (Montevideo, Uruguay) **Invited Speaker**
 - Fifth Internat. Conf. on Dynamical Systems & Differential Equations sponsored by Amer. Inst. of Math. Sci. (Pomona, CA) **Invited Speaker**
- 2005
 - Internat. Symposium on Dynamical Systems in memory of W. Szlenk (Warsaw, Poland) **Invited Speaker**
- 2007
 - Workshop on Dynamical Systems (Göttingen, Germany)
 - First Joint Meeting, AMS & PTM (Warsaw, Poland)

Professional Activities (continued)

- Internat. Symposium on Dynamical Systems in honor of Ethan Coven (Wesleyan Univ., Middletown)**invited Speaker**

Journal Reviewing and Refereeing

- | | |
|--------------------|---|
| 1970-83 | • ZENTRALBLATT FÜR MATHEMATIK |
| 1970-83 | • MATHEMATICAL REVIEWS |
| 1975 | • TOPOLOGY |
| | • MATHEMATICAL SYSTEMS THEORY |
| 1974-... | • PROCEEDINGS, AMER. MATH. SOC. |
| 1976-... | • TRANSACTIONS, AMER. MATH. SOC. |
| 1976-... | • JOURNAL OF DIFFERENTIAL EQUATIONS |
| 1978-... | • JOURNAL OF MATHEMATICAL ANALYSIS AND APPLICATIONS |
| 1981 | • COMPTES RENDUES ACAD. SCI. PARIS |
| 1981 | • SIAM JOURNAL OF MATHEMATICAL ANALYSIS |
| 1982-... | • ERGODIC THEORY & DYN. SYST. |
| 1983 | • INVENTIONES MATH. |
| 1984 | • DUKE UNIV. MATHEMATICAL JOURNAL |
| 1984,1986 | • BOLETIN SOC. BRASILEIRA MATEMÁTICA |
| 1984 | • ISRAEL JOURNAL OF MATHEMATICS |
| 1985 | • PHYSICA D |
| 1986 | • COLLEGE MATH. JOURNAL |
| 1987, 1990 | • AMERICAN MATH. MONTHLY |
| 1991, 1993 | • DYNAMICS REPORTED |
| 1993, 1994 | • REAL ANALYSIS EXCHANGE |
| 1998 | • TOPOLOGY AND ITS APPLICATIONS |
| 1997, 2002, 2005-6 | • FUNDAMENTA MATHEMATICAE |
| 1998 | • JOURNAL OF DYNAMICS AND DIFFERENTIAL EQUATIONS |
| | • INTERNAT. JOURNAL OF BIFURCATION AND CHAOS |
| 1999,2005 | • NONLINEARITY |
| 2000 | • JOURNAL OF THE EUROPEAN MATHEMATICAL SOCIETY |
| 2001 | • EXPERIMENTAL MATHEMATICS |
| 2002 | • DISCRETE AND CONTINUOUS DYNAMICAL SYSTEMS |
| | • ZEITSCHRIFT FÜR ANGEWANDTE MATHEMATIK UND PHYSIK |
| 2003 | • HOUSTON JOURNAL OF MATHEMATICS |
| | • STOCHASTICS AND DYNAMICS |
| 2005 | • PACIFIC JOURNAL OF MATHEMATICS |
| | • CUBO JOURNAL |

Professional Activities (continued)

- Nonlinear Dynamics
- COLLOQUIUM MATH.
- JOURNAL OF STATISTICAL PHYSICS
- Experimental Math.
- Ars Combinatoria
- Colloquium Math.

Other Refereeing and Reviewing

- 1976 • Prindle, Weber & Schmidt
- 1975-82 • NSF Research Proposals
- 1978 • National Research Council
- Bunting Institute, Radcliffe College
- 1980-90 • Canadian Research Council
- 1982 • Birkhäuser Boston
- 1987 • Springer-Verlag
- 1991 • Birkhäuser Basel
- 2002 • Proc. of Katsiveli Conf. on Dynamical Systems
- 2004 • Czech Ministry of Education
- 2007 • Scholarpedia

Other Professional Activities

- 1971 • Chairman, Session for Contributed Papers, AMS meeting (New York)
- 1974 • Principal Investigator, NSF Grant GP 42864
- 1976 • Organizer, Special Session on Dynamical Systems, AMS summer meeting (Toronto)
- 1079 • Co-organizer (with R. Devaney), NSF-CBMS Regional Conf. on Recent Developments in Celestial Mechanics (Tufts Univ.)
- 1980 • One-week visitor, Univ. of Maryland Special Year on Dynamical Systems
- Six-week visit to Poland under NAS-PAN Scientific Exchange Program
- 1981 • Principal Investigator, NSF Grant MCS 8102122
- 1986 • Principal Investigator, NSF Grant DMS 8604167
- 1993 • Co-Organizer (with G. Keller), Conf. on Low-Dimensional Dynamics, Math. Forschungsinstitut (Oberwolfach, Germany)
- 1995 • Co-Organizer (with B. Hasselblatt), Special Session on Geometric and Hyperbolic Dynamics, AMS meeting (Boston)

Professional Activities (continued)

- 1999 • Advisory Board, Internat. Conf. on Dynamical Systems & Ergodic Theory (Katsiveli, Crimnea, Ukraine)
- 1999-... • Associate Editor, QUALITATIVE THEORY OF DYNAMICAL SYSTEMS (Lleida, Spain)
- 2003 • Co-organizer (with X. Jarque, T. Seara, E. Ponce & G. Haller), Special Session on Dynamical Systems, Joint Meeting AMS-Real Sociedad Matemática Española (Seville, Spain)
- 2005-... • Contributing Editor, REAL ANALYSIS EXCHANGE
- 2008 • Scientific Committee, Internat. Conf. on Dynamical Systems in honor of Michał Misiurewicz (Bedlewo, Poland)

Theses Directed

- 1974 • James Padian (MS)
Flows on closed surfaces
- 1976 • Ricardo Stein (MS)
Ergodicity, entropy and Bernoulli shifts
- 1977 • John F. Collins (PhD)
Structural stability of completely unstable flows in the plane
- 1986 • Tristan de Frondeville (MS)
Invariant measures for maps of the interval
- 1989 • Martha Sunderhauf (MS)
An exposition of Šarkovskii's theorem
- Liang Chen (PhD)
On the shadowing property for piecewise monotone maps
L.Chen, *Linking and the shadowing property for piecewise monotone maps*
PROCEEDINGS, AMER. MATH. SOC. 113
(1991) 251-263 MR 1079695

Professional Activities (continued)

- 1997
- Zhenhua Zhang (PhD)
Permutations and dynamical systems on the interval
W. Geller & Z. Zhang, *Maximal entropy permutations of even size*
PROCEEDINGS, AMER. MATH. SOC. **126**
(1998) 3709-3713 MR 1458873

- 2002
- Christopher Thomas (PhD)
Surface-realizable finite groups of outer automorphisms of finitely-generated free groups
C. Thomas, *Determining whether a finite group of outer automorphisms of a free group is geometric.*
JOURNAL OF PURE AND APPLIED ALGEBRA
195 (2005) 211-224 MR 2109111

Professional Society Membership

- 1968-...
1984-88
1980-...
- American Mathematical Society
 - Society for Industrial and Applied Mathematics
 - American Association of University Professors
(Tufts Chapter)
(Committee Z, 1984-5)
- 2003-...
2006-...
- TeX Users Group
 - Mathematical Association of America

Fellowships, awards, grants

- 1965
- Phi Beta Kappa
 - Sigma Xi
- 1965-6
- Woodrow Wilson Fellow
- 1966-9
- NSF Graduate Fellow
- 1969-71
- Willard Gibbs Instructor, Yale Univ.
- 1974-5
- NSF Grant GP 42864
- 1980
- NAS-PAN Scientific Exchange Program
- 1981-5
- NSF Grant MCS 8102122
- 1986
- NSF Grant DMS 8604167 (equipment)

Professional Activities (continued)

- 2000 CRDF Grant for US-Ukrainian Workshop on Dynamical Systems

University Activities

- 1973-7 Committee on Curricula, College of Engineering
- 1977-8 Committee on Advising, Liberal Arts & Jackson College
- 1978 *Ad hoc* Committee to select recipients of the Lillian Liebner Award for excellence in teaching
- 1980-2 Committee on Curricula, Liberal Arts & Jackson College (Chair, 1981-2)
- 1981 *Ad hoc* Committee to select recipients of the Lillian Liebner Award for excellence in teaching
- 1981-2 Educational Policy Committee, College of Arts & Sciences
- *Ad hoc* Committee to review Liberal Arts education at Tufts (“Blue Sky Committee”)
- 1983-4 Committee on Curricula, Liberal Arts & Jackson College
- 1985 Faculty-Administration-Trustee Liberal Arts Liaison Committee
- 1985-7 Faculty Representative to Trustee Committee on Development and Campaign for Tufts
- 1988-9 Committee on University Priorities (“Peter-Paul Committee”)
- 1990-2 Educational Policy Committee, College of Arts & Sciences
- 1992-3 Programs and Policies Committee, Graduate School
- 1995-9 Committee on Faculty Research Support & Facilities (Chair, 1995-9)

Professional Activities (continued)

- 1996-9 • Faculty Research Awards Committee (“FRAC”)
- 1999-2002 • Tenure and Promotion Committee, Faculty of Arts, Sciences & Engineering
- 2004-7 • Committee on Budget and Priorities, Faculty of Arts, Sciences & Engineering
- 2004-... • Programs and Policies Committee, Graduate School of Arts & Sciences

Department Activities

- 1973-9 • Curriculum Committee
- 1973-... • Hiring Committees (73,84,85,89,93,95,98,01,02, 05, 08)
- 1974 • Salary Committee
- Colloquium Committee
- 1975-... • Tenure/Promotion Subcommittees (75,76,87,91,92,95)
- 1983-... • Graduate Committee (Acting Chair, Spring 89; Chair, 2004-...)
- 1985-7 • Computing Equipment Committee (Chair)
- 1995-9 • Advisor to Math Club
- 1998 • Acting Department Chair (Spring semester)