

GERALDINE TAIANI
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EDUCATION:

1974	Ph.D. C.U.N.Y. Graduate School New York, NY	Mathematics-Analysis N.D.E.A. Fellowship
1968	B.S. S.U.N.Y. at Stony Brook Stony Brook, NY	Mathematics Magna cum Laude

WORK EXPERIENCE:

9/16 -9/19	Professor of Mathematics (half-time)	Pace University New York, NY
9/84 -8/16	Professor of Mathematics	Pace University New York, NY
9/05-8/14	Professor of Mathematics and Department Chair	Pace University New York, NY
9/87 - 6/88	Visiting Professor (part time)	Rutgers University New Brunswick, NJ
9/80 - 9/84	Associate Professor of Mathematics	Pace University New York, NY
9/79 - 6/80	Visiting Member	Institute for Advanced Study - Princeton, NJ
9/78 - 8/79	Visiting Researcher	University of Florence, Italy
9/77 - 6/78	Visiting Member	Institute for Advanced Study - Princeton, NJ
9/76 - 6/77	Visiting Assistant Professor	S.U.N.Y. at Stony Brook, Stony Brook, NY

9/74 - 6/76	Visiting Assistant Professor (part time)	Dartmouth College Hanover, NH
9/72 - 6/74	Lecturer	Dartmouth College Hanover, NH
Fall - 1969	Lecturer SEEK Program	C.C.N.Y. New York, NY

Invited Talks

- 1976 -1977 Colloquium talk at S.U.N.Y. at Stony Brook
Colloquium talk at Rice University
Complex Analysis Seminar speaker at Columbia University
Complex Analysis Seminar speaker at MIT - Harvard University
(combined seminar)
- 1977 - 1978 Colloquium talk at Members Seminar at the Institute for Advanced Study
Complex Analysis Seminar speaker at Princeton University
- 1979-1980 Complex Analysis Seminar speaker at Princeton University
- August 1980 Speaker at a Partial Differential Equations Conference at Oberwolfach,
Germany
- 1980 - 1981 Speaker at Winter Meetings of A.M.S. in San Francisco
Speaker at Pace University Mathematics Club on "C Verses Real
Analytic"
- 1981 - 1982 Colloquium speaker at Dartmouth College
Speaker at the A.M.S. meeting in honor of Amy Noether at Bryn Mawr
- 1982 -1983 Graduate Colloquium speaker at S.U. N.Y. at Stony Brook
Colloquium speaker at Colgate University
- 1986 -1987 Speaker at Careers Seminar, Voorhees High School, Glen Gardner, NJ
- 1987 -1988 Speaker at Professor Treves's Hypo- analytic Functions Course, Rutgers
University
- 1990 - 1991 Speaker at Dyson College Faculty Conference on "Effective Teaching
Methods," Pace University
- 1992 -1993 Speaker at KME dinner on "Complex Palindromic Polynomials", Pace
University
- 1994 -1995 Speaker at Career Seminar, Voorhees High School, Glen Gardner, NJ
- 2000 -2001 Speaker at Pace University Math Seminar on "A Geometric Look at the

Algebra of Complex Numbers,” Pace University

- 10/13/06 Speaker on panel with Lisa Fastenberg and Beth Klingner on “Technology in the Classroom”, Dyson Day, Pace University
- 10/24/06 Speaker at Pace University Math Seminar on “A Unifying Application of Forms,” Pace University
- 35/17 Speaker at MAT 491 Capstone course on “Friday’s Child”

Courses Taught

Remedial Courses: Arithmetic
Algebra

Service Courses: Finite Mathematics (Linear Programming and Probability)
Finite Mathematics with Labs
Calculus for Business Majors
Statistics for Business Majors
Statistics for Social Science Majors
Development of Mathematics, with emphasis on life mathematics skills
UNV 101

Major Courses: Calculus I
Calculus I with peer leaders
Calculus II
Multivariable Calculus
Differential Equations
Linear Algebra
Abstract Algebra
Real Analysis
Complex Analysis
Point Set Topology (as an independent study)
Independent Study (as enhancement to the above courses and in conjunction with a senior thesis)
Modern Algebra (as an independent study)

Recipient of Pace University Kenan Award for Excellence in Teaching, May 2010

Publications

1. "Non-existence of solutions to the Cauchy problem for first order partial differential equations," Ph.D. thesis, C.U.N.Y. Graduate Center, 1974
2. "Non-existence of solutions to the Cauchy problem for first order partial differential equations," Indiana University Math. J., 25 (1976), 1005-1016.
3. (with C. D. Hill), "The local family of analytic discs attached to a CR submanifold," Proceedings of the Conference on Several Complex Variables and Related Topics in Harmonic Analysis, Cortona, Italy (1976-77).
4. (with C. D. Hill), "Families of analytic discs in C^n with boundaries on a prescribed CR manifold," Ann. Scuola Norm. Sup. Pisa, 5, 2 (1978) 327-380.
5. (with C. D. Hill), "Global uniqueness in the disc lifting problem," J. Diff. Geo. 15 (1980), 217-223.
6. (with A. Selvaggi Primicerio), "Famiglie di dischi analitici con bordo su sottovarietà CR non generiche," Annali di Matematica Pura ed Applicata (4), 126, (1980), 233-251.
7. (with C. D. Hill), "Real analytic approximation of locally embeddable CR manifolds," Composito Mathematica, 44,1-3, (1981) 113-131.
8. (with C. D. Hill), "On the Hans Lewy extension phenomenon in higher codimension," Proceedings of the A.M.S., 91, 4 (1984) 568-572.
9. Cauchy- Riemann (CR) Manifolds, Pace University, New York, NY, 1989.
10. (with Miriam S. Grosof), "Vandermonde Strikes Again," The American Mathematical Monthly, 100, 6, (1993), 575-577.
11. "A Geometric Look at the Algebra of Complex Numbers," New York State Math Teachers' Journal, 52,1, (2002) 43-48.
12. "Friday's Child", I, Mathematician, II, edited by Peter Casazza, Steven G. Krantz, and Randi D. Rudin, Comap, 2016, 205-219

Activities

1. Judge for student projects submitted to the Otto P. Burgdorf Science & Mathematics Conference sponsored by the New York Academy of Sciences, 1981,1982.
2. Proof-reader for Elements of Complex Analysis, by William J. Adams (1986 -1987) and Finite Mathematics, 6 edition, by Lial/Miller/Greenwell (1996).
3. New Jersey State Reporter for the Association of Women in Mathematics on the topic of mathematics education, 1990 -1995.
4. Member of the Community Advisory Board to the Principal of Voorhees High School, 1994-1998.
5. Corresponding Secretary of the New York Kappa chapter of the undergraduate mathematics honor society, KME, 1993 - 2005.
6. Academic advisor for the Pace University math majors, 1991 - present.
7. Departmental Awards Committee (chair), 1991 - 2005.
8. Member of the Scholastic Standing Committee of Pace University, 1991-1997, 2000 – 2004, 2007-present.
9. Member of the Book Committee for the Mathematics Department of Pace University, Fall 2001-5/2006.
10. Faculty member in charge of substitution for professors who are unable to teach classes, 9/01-5/04.
11. Course Coordinator for Math 111 9/03-12/05.
12. Member of the Pace Chorus, 1991-5/2006.
13. Faculty advisor for Ciao, 9/04-9/06.
14. Core Assessment Faculty Fellow, 9/05 - present.
15. Member of the Middle States Standard 11 Subcommittee, 10/06-5/09.

16. Member of Dean Herrmann's STEM Committee, 11/06-5/09.
17. On -line mentor of Katelyn Jeffreys, a high school student, Spring 2007-Late winter 2008.
18. Member of the New York Faculty Council Curriculum Committee and the Dyson Curriculum Committee Fall'05-Sum'14.
19. Member of the Dyson Curriculum Committee F'05- Sum'14. Member of the AOK5 subcommittee from Fall'07 until Fall'14.
20. Chair of the Student Activities Committee Fall'09 through F'13 and member of that committee until F'16.
21. Member of the Anti Discrimination Procedural Committee.
22. Reviewed a chapter of a calculus text, Calculus by Sullivan/Mranda.
23. Participated in a Dyson Day PLTL discussion group on April 12, 2013.
24. Member of the benefits committee from F'13 through F'17.
25. Chair of mathematics department assistant professor search committees, S'12 and S'13 and chair of chair search committee F'13-S'14.
26. Active member of the department search committee S'15, S'16, and S'17.
27. Member of the Internal Review Committee of SDACA from S'14 through S'16.
28. Member of the Mathematics Department Assessment Committee. As such I have worked with Profs. Kazlow and So to review syllabi, exams, and grading of exams. I have also, with Prof. Kazlow, written the department syllabi for several of the first year math classes.
29. Faculty advisor for Primes, the student mathematics club, 9/16-9/17.
30. Presenter of the Mathematics Award at the Dyson Awards ceremony.
31. Mentor of adjunct faculty.
32. Since Michael Kazlow was unable to do so I moved all the Spring '17 final grades from the blackboard page where faculty had posted them to the NY Math secure storage page.
33. With input from Profs. Kazlow and Cai I wrote all the department exams for MAT 131 and 132.

