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EDUCATION:

Ph.D., Princeton University, 1976

PROFESSIONAL EXPERIENCE:

2002 - Present	Associate Chair for Graduate Studies and Research, School of Mathematics, Georgia Tech
1990 - Present	Professor, School of Mathematics, Georgia Tech
1983-1990	Assistant, Associate Professor, School of Mathematics, Georgia Tech
1979-1983	Assistant Professor, Department of Mathematics, Johns Hopkins University
1978-1979	Assistant, NSF Postdoctoral Fellow, Massachusetts Institute of Technology
1977-1978	Visiting Professor, Institute for Theoretical Physics, University of Vienna
1976-1977	Assistant Professor, Department of Mathematics, Haverford College

HONORS:

1983 - Alfred P. Sloan Fellow

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GRADUATE ADVISING :

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CURRENT RESEARCH SUPPORT:

National Science Foundation, DMS 0204059

OTHER COLLABORATORS (in past 48 months):

K.A. Bowman, Q. Chen, J. Fleckinger, P. Kröger, K. Kurata, M. Loss, J. Meindl, F. de Thélin

SELECTED PUBLICATIONS:

1. Instabilities and Chaos in Intracavity Doubled Lasers, II, *Phys. Rev. A* **41**(1 March 1990)2778-2790 (with G.E. James and R. Roy).

2. On the Laplace operator penalized by mean curvature, *Commun. Math. Phys.* **195**(1998)643-650 (with M. Loss).

3. Asymptotics for solutions of some nonlinear partial differential equations on unbounded domains (with J. Fleckinger and F. de Thélin), *Electronic Journal of Differential Equations* **2001**(2001) No. 77, pp. 1-14.

4. A Physical Short-Channel Threshold Voltage Model for Undoped Symmetric Double-Gate MOSFET's, *IEEE Transactions on Electron Devices* **50**(2003)1631-1637 (with Q. Chen and J.D. Meindl).

5. Commutators, eigenvalue gaps, and mean curvature in the theory of Schrdinger operators, submitted