

## *Professional Vita*

*Name:* Michael A. Morgan

*Title:* Associate Professor, Seattle University

*Dept:* Physics

*Education:* University of Washington, Seattle, WA.

Attended: 1971 - 1976, 1977 - 1984

Degrees attained: Ph.D. Physics, 1984

M.S. Physics, 1980

B.S. Electrical Engineering, 1975

### *Professional Experience:*

1990 - Present	Associate Professor of Physics; Seattle University, Seattle
2001 – 2002	Sabbatical: Open University, Milton Keynes, UK
1998 – 2001	Chair of Physics Department, Seattle University
1994 - 1995	Sabbatical: University of Bristol, Bristol, UK
1985 - 1990	Assistant Professor of Physics; Seattle University, Seattle
1985 - Present	Visiting Professor of Physics (summers); University of Washington, Seattle
1984 - 1985	Visiting Assistant Professor of Physics; Seattle University, Seattle
1983	Teaching Assistant for honors physics; Physics Department, University of Washington, Seattle
1979 - 1984	Research Assistant in nuclear theory; Institute for Nuclear Theory, Physics Department, University of Washington, Seattle
1978 - 1979	Teaching Assistant for freshman physics laboratory; Physics Department, University of Washington, Seattle

- 1977 - 1978            Research Assistant in non-destructive testing of ceramic materials using lasers;  
Electrical Engineering Department, University of Washington, Seattle
- 1977                    Associate Engineer in the Communications, Navigation, and Electromagnetics  
staff group at the Boeing Commercial Airplane Company; Boeing Developmental  
Center, Seattle
- 1972 - 1976            Undergraduate Research Assistant, Computing Division, University of Washington  
Aeronautical Laboratories; University of Washington, Seattle

*Publications:*

1. Current Algebra and the Cloudy-Bag Model, *Physical Review D* 33, 817(1986) with G. A. Miller and A. W. Thomas
2. The Neutron Electric Dipole Moment in the Cloudy-Bag Model, *Physics Letters B* 179, 379 (1986) with G. A. Miller
- 3.

Graphs and Paths on a Square Lattice

4. Dynamical Systems Software for MATLAB
5. Levitron simulation with viscous damping
6. Motion of the Levitron in an Adiabatic Potential
7. Numerical Symplectic Integration of Hamiltonian Dynamical Systems
8. Numerical Studies of the Quasiperiodic Route to Chaos in Coupled VdP Oscillators.

*Professional Associations:*

1984 - Present