PREDRAG CVITANOVIĆ

Center for Nonlinear Science

Georgia Institute of Technology, Atlanta, GA 30332-0430

EDUCATION:

Ph.D. in Physics, Cornell University, 1973 (thesis advisor: T. Kinoshita) B.S. in Physics, Massachusetts Institute of Technology, 1969

PROFESSIONAL EXPERIENCE:

2001–present	G. Robinson Chair, Director, Center for Nonlinear Science, Georgia Tech
1997 - 2000	Professor, Northwestern University
1993 - 1998	Director, Center for Chaos and Turbulence Studies, Copenhagen
1986 - 1996	Carlsberg Foundation Research Professor, Niels Bohr Inst.

ACADEMIC HONORS:

The Danish Physical Society Research Prize in Physics for 1993–94 Member of the Royal Danish Academy of Sciences and Letters Corresponding Member of the Croatian Academy of Arts and Sciences Fellow, Institute of Physics.

SCIENTIFIC ADVISORY COMMITTEES:

Honorary Editor (chief co-editor) Nonlinearity 1998-2004 Editor of Cambridge University Press Nonlinear Science Series Secretary of Dynamics Days, European STATPHYS 20 (Paris 1998) Director, "Patterns, chaos and order" NATO ASI, 1990

GRADUATE AND POSTDOCTORAL ADVISING (in past 5 years):

Ph.D. students: N. Søndergaard, Y. Lan, R. Paskauskas; postdoctoral C. Chandre, C. Dettmann, N. Garnier, S. Peles, M.A. Porter, D. Wójcik. (total: 14 Ph.D. students, 2 M.Sci. students, and 28 postdoctoral fellows)

CURRENT RESEARCH SUPPORT:

Center for Nonlinear Science (Glen Robinson Chair)

OTHER COLLABORATORS (in past 48 months):

R. Artuso, I. Csabai, P. Dahlqvist, C.P. Dettmann, H. Elvang, Á. Horváth, A.D. Kennedy. M.T. Levinsen, R. Mainieri, D.J. Mogul, S.F. Nielsen, G. Palla, G. Simon, M.W. Slutzky, G. Tanner, G. Vattay, A. Wirzba

SELECTED PUBLICATIONS:

1. "Chaotic Field Theory: a sketch", Physica A 288, 61 (2000); nlin.CD/0001034.

2. "Periodic orbit theory applied to a chaotically oscillating gas bubble in water" (with G. Simon, M.T. Levinsen, I. Csabai and Á. Horváth), *Nonlinearity* **15**, 25 (2002).

3. "Variational method for finding periodic orbits in a general flow" (with Y. Lan) *Phys. Rev.* E 69, 016217 (2004); nlin.CD/0308008.

4. "Deterministic chaos and noise in three in vitro hippocampal models of epilepsy," (with M.W. Slutzky and D.J. Mogul), Annals of Biomedical Engineering **29**, 1 (2001).

5. Chaos: Classical and Quantum, (with R. Artuso *et al*), ChaosBook.org, advanced graduate textbook.