

## LEONID A. BUNIMOVICH

School of Mathematics

Georgia Institute of Technology, Atlanta GA 30332

### Born:

August 1, 1947, Moscow

### EDUCATION:

Doctor of Sciences, Inst. for Theor. Physics, Academy of Sciences of UkSSR, 1986

Ph.D., Moscow University, 1973

### PROFESSIONAL EXPERIENCE:

1998 - Present Regents' Professor, School of Mathematics, Georgia Tech

1996 - Present Director, Southeast Applied Analysis Center

1991 - 1998 Professor, School of Mathematics, Georgia Tech

1997 - Present Adjunct Professor, School of Biology, Georgia Tech

### HONORS:

1999 - Fellow, Royal Institute of Physics, England

1999 - Chartered Physicist, Institute of Physics, London

### EDITOR:

Nonlinearity, Chaos, Discrete and Continuous Dynamical Systems, SIAM Journal of Applied Mathematics

### GRADUATE AND POSTDOCTORAL ADVISING (in past 5 years):

E. Shchekinova, M.S., J. Rehacek, Ph.D., S. Venkatagiri, Ph.D., G. Del Magno, M. Khlabytova, D. Kreslavsky

### CURRENT RESEARCH SUPPORT:

National Science Foundation, Research Corporation, Max Kade Foundation

### OTHER COLLABORATORS (in past 48 months):

R. Stoop, K. Schindler, J. Bartholdi, D. Eisenstein, J. Rehacek, D. Turaev

### SELECTED PUBLICATIONS:

1. L.A. Bunimovich, "On Ergodic Properties of Some Billiards," *Funct. Anal. Appl.* **8**, 254 (1974).
2. L.B. Bunimovich, "Decay of correlations in dynamical systems with chaotic behavior," *Sov. Phys. JETP* **62**, 842 (1985).
3. L.B. Bunimovich and Ya.G. Sinai, "Markov Partition for Dispersed Billiard," *Comm. Math. Phys.* **78**, 247 (1980); **78**, 479 (1980); *Erratum, ibid.* **107**, 357 (1986).
4. L.A. Bunimovich, "Variational Principles for periodic trajectories of hyperbolic billiards," *CHAOS* **5**, 349 (1995).
5. L.A. Bunimovich and Ya.G. Sinai, "Space-Time Chaos in Coupled Map Lattices," *Nonlinearity* **1**, 491 (1989)
6. L.A. Bunimovich and J. Rehacek, "How High-Dimensional Stadia Look like?," *Comm. Math. Phys.*, 197 (1998).
7. L.A. Bunimovich, "Walks in Rigid Environments," *Physica A* **279**, 169 (2000).
8. L.A. Bunimovich, "Lattice Dynamical Systems," in *From Finite to Infinite Dynamical Systems*, J.C. Robinson and P.A. Glendinning, eds., p. 59 (Kluwer, London 2001).