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Born:

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EDUCATION:

Ph.D. in Physics, U. Texas, Austin 1991 (thesis advisor: H. Swinney)
B.S. in Physics, summa cum laude, U. of Notre Dame, 1983

PROFESSIONAL EXPERIENCE:

2002–Present Associate Professor of Physics, Georgia Institute of Technology
1996–2002 Assistant Professor of Physics, Georgia Institute of Technology
1993–1996 Postdoctoral Fellow, Department of Physics, U. Texas, Austin
1992 Lecturer, Department of Physics, U. Texas, Austin

HONORS:

Cottrell Scholar (1999)

GRADUATE AND POSTDOCTORAL ADVISING (in past 5 years):

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CURRENT RESEARCH SUPPORT:

National Science Foundation (CTS-9876590, CTS-0201610) , Research Corporation

OTHER COLLABORATORS (in past 48 months):

A. Zangwill, W. Pesch, H. Rockwood, K. Wiesenfeld, J. Swift, G. P. Neitzel, M. Smith,
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SELECTED PUBLICATIONS:

1. “Optical manipulation of microscale fluid flow,” (with N. Garnier and R. O. Grigoriev) *Phys. Rev. Lett.* **91**, 054501 (2003).
2. “Pattern formation in vertically oscillated convection,” (with J. L. Rogers and W. Pesch) *Nonlinearity* **16**, C1 (2003).
3. “Evolution of hexagonal patterns from controlled initial conditions in a Benard convection experiment” (with D. Semwogerere) *Phys. Rev. Lett.* **88**, 054501 (2002).
4. “Huygens’ clocks” (with M. Bennett, H. Rockwood, and K. Wiesenfeld) *Proc. R. Soc. Lond. A* **458**, 563 (2002).
5. “Experiments on thermocapillary instabilities” (with G. P. Neitzel) *Annu. Rev. Fluid Mech.* **33**, 93 (2001).