

THOMAS GILBERT

Professional Address

Service de Physique des Systèmes Complexes et Mécanique Statistique
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Research Topics

Nonequilibrium Statistical Physics and Nonlinear Dynamics.

Education

UNIVERSITY OF MARYLAND
Doctor of Philosophy 1996 – 99
College Park, MD, USA

UNIVERSITÉ LIBRE DE BRUXELLES
Licence Spéciale en Physique Théorique 1994 – 95
Brussels, Belgium

UNIVERSITÉ CATHOLIQUE DE LOUVAIN
Licence en Sciences Physiques 1990 – 94
Louvain-La-Neuve, Belgium

Experience

CHERCHEUR QUALIFIÉ F.R.S.-FNRS, COLLABORATEUR SCIENTIFIQUE À L'UNIVERSITÉ
LIBRE DE BRUXELLES
Brussels, Belgium
Fall 2007-Present

CHARGÉ DE RECHERCHES FNRS, COLLABORATEUR SCIENTIFIQUE À L'UNIVERSITÉ LI-
BRE DE BRUXELLES
Brussels, Belgium
Fall 2004-Summer 2007

POST-DOCTORAL FELLOW, DR. A. PUMIR, INSTITUT NON-LINÉAIRE DE NICE, UNSA-
CNRS
Nice, France
Fall 2003-Summer 2004

POST-DOCTORAL FELLOW, DR. M. VERGASSOLA, OBSERVATOIRE DE LA CÔTE D'AZUR
Nice, France
Fall 2002-Fall 2003

POST-DOCTORAL FELLOW, PROF. I. PROCACCIA, DEPARTMENT OF CHEMICAL PHYSICS,
WEIZMANN INSTITUTE OF SCIENCE
Rehovot, Israel
Fall 2000-Fall 2002

ATTACHÉ TEMPORAIRE D'ENSEIGNEMENT ET DE RECHERCHE, LABORATOIRE DE LA
MATIÈRE CONDENSÉE, UNIVERSITE PARIS VII DENIS DIDEROT
Paris, France
Spring 2000 – Summer 2000

TEACHING ASSISTANT, PHYSICS DEPARTMENT, UMD
College Park, MD, USA
Fall 1996 – Summer 99

RESEARCH ASSISTANT, PROF. J. R. DORFMAN, INSTITUTE FOR PHYSICAL SCIENCE AND
TECHNOLOGY, UMD
College Park, MD, USA
Summer 1996 – Fall 99

29 Publications in refereed journals (as of 24/02/2009)

Five Selected Publications

P. Gaspard and T. Gilbert, *Heat Conduction and Fourier's Law by Consecutive Local Mixing and Thermalization*, Phys. Rev. Lett. **101** 020601 (2008), 4 citations (as of 24/02/2009).

T. Gilbert, *Fluctuation theorem applied to the Nosé Hoover thermostated Lorentz gas*, Phys. Rev. E **73** 035102(R) (2006), 6 citations.

Y. Cohen, T. Gilbert, and I. Procaccia, *Statistically Preserved Structures in Shell Models of Passive Scalar Advection*, Phys. Rev. E **65** 026314 (2002), 12 citations

P. Gaspard, I. Claus, T. Gilbert, and J. R. Dorfman, *The fractality of the hydrodynamic modes of diffusion* Phys. Rev. Lett. **86** 1506 (2001), 29 citations.

T. Gilbert, J. R. Dorfman, and P. Gaspard, *Entropy Production, Fractals, and Relaxation to Equilibrium*, Phys. Rev. Lett. **85** 1606 (2000), 31 citations.