LEONARD A. SMITH
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Georgia Institute of Technology, Atlanta, GA 30332

EDUCATION:

Ph.D. in Physics, Columbia University, 1987

B.S. in Physics, Mathematics & Computer Science, U. of Florida, 1980

PROFESSIONAL EXPERIENCE:

2004-present: Professor of Earth & Atmospheric Sciences, Georgia Tech.

2001-present: Director, Centre for Analysis of Time Series, London School of Economics.

2000-present: Reader in Statistics, London School of Economics.

1992-present: Senior Research Fellow (mathematics), U. of Oxford, England.

ACADEMIC HONORS:

2005 Statistical and Applied Math. Sciences Institute Fellowship.

2003 Fitzroy Prize, Royal Meteorological Society.

2002 Selby Fellowship, Australian Academy of Science.

SCIENTIFIC ADVISORY COMMITTEES:

2001-present: THORPEX, Co-Chair, Societal and Economic Impacts.

2002-present: Smith Inst. for Industrial Math. and System Eng., Advisory Panel.

1994-present: Secretary, European Geophysical Society, Section on Nonlinear Processes.

1993-1997: Editor, Nonlinear Processes in Geophysics.

RECENT CONSULTANCIES:

British Energy, Deutscher Wetterdienst, European Centre for Medium-range Weather Forecasts, IG Index, Royal Dutch Shell, SAIC, The Smith Institute, UK Passport Agency.

GRADUATE ADVISING (in past 5 years):

M. Cuellar, L. Clarke, A. Guerrero, H. Hirose, K. Olilver, D. Orrell, P. McSharry, and I. Gillmour

CURRENT RESEARCH SUPPORT:

EPSRC-DTI Faraday Grants and NOAA; awards total $770,000

OTHER COLLABORATORS (in past 48 months):

J. Barkmeijer, J.H. Ellepola, J.A. Hansen, J. Hardenberg, K. Fraedrich, K. Judd, D.T. Kaplan, D.B.R. Kenning T. Palmer, P. McSharry, M.S. Roulston, and C. Ziehmann

SELECTED PUBLICATIONS:

1. L.A. Smith, "What Might We Learn from Climate Forecasts?" *Proc. National Acad. Sci. USA* **4** (2002) 2487–2492.

2. K. Judd & L.A. Smith, "Indistinguishable States I: The Perfect Model Scenario," *Physica D* **151** (2001) 125–141.

3. P. McSharry & L. A. Smith, "Better nonlinear models from noisy data: Attractors with maximum likelihood," *Phys. Rev. Lett* **83** (1999) 4285–4288.

4. L.A. Smith, C. Ziehmann & K. Fraedrich, "Uncertainty Dynamics and Predictability in Chaotic Systems," *Quart. J. Royal Meteorological Soc.* **125** (1999) 2855–2886.

5. M.S. Roulston D.T. Kaplan, J. Hardenberg & L.A. Smith, "Using Medium Range Weather Forecasts to Improve the Value of Wind Energy Production," *Renewable Energy* **28** (2003) 585–602.