

PROFESSOR STEVEN RICHARD BISHOP

BSc, MSc, PhD, DSc

CURRICULUM VITAE (2011)

Personal Details

Date of Birth : 18.10.55

Present Position : Professor of Nonlinear Dynamics Mathematics Department University College London

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Education/Qualifications

B.Sc. Mathematics: Goldsmiths College, University of London 1976-79

M.Sc. Mathematics and its Applications: Brunel University 1979-80

Ph.D. Mathematics: University of North London 1980-83

D.Sc. Mathematics: University of London 2001

Professional History

1979-1980 Teaching Assistant (during MSc), Brunel University (engineering mathematics)

1980-1983 Research Assistant and part-time Lecturer in Mathematics (numerical methods/analysis), Polytechnic of North London

1983-1984 Lecturer in Mathematics (mathematical methods, numerical analysis), Polytechnic of North London

1984-1989 Research Fellow, Civil Engineering Department, University College London UK

1989-1994 Science and Engineering Research Council Advanced Research Fellow, (5 Year Appointment) University College London (UCL).

1994-1995 Lecturer and Manager of the Centre for Nonlinear Dynamics and its Applications, UCL.

1995-1998 Reader in Nonlinear Dynamics, Centre for Nonlinear Dynamics and its Applications, UCL.

1998-2003 Professor of Nonlinear Dynamics the Centre for Nonlinear Dynamics and its Applications, UCL.

2003- Professor of Nonlinear Dynamics, Mathematics Department, UCL.

Summary

- Internationally recognised as a leader in the field of nonlinear dynamics. Over 80 Journal papers plus 30 refereed conference papers plus two books
 - Kapitaniak, T. and **Bishop, S.R.** A Dictionary of Nonlinear Dynamics, Wiley: Chichester, 1999
 - Nonlinearity and Chaos in Engineering Dynamics, J.M.T. Thompson and **S.R. Bishop**, Wiley: Chichester, pp 454, 1994.
- Served on the Council for the Institute of Mathematics and its Applications.
- Acted as advisor to other countries Research Councils – in particular I have been on two (2 week) visits to Colombia to help assist in the selection of large grants. Another visit to assess progress is planned for December 2008.
- Managed a large research group.
- Significant grant income.
- UCL Representative on the UK Engineering Professors' Council, Sept 2000 - 2002.
- Served on several editorial boards including
 - Editorial Board of Journal of Sound and Vibration, January 1998-2007
 - Editorial Board of Discrete Dynamics in Nature and Society, January 1997-
 - International Advisory Board for Nonlinear Phenomena in Complex Systems, June 1999- Editorial Board of Journal of Applied Mathematics, June 2000-
 - Editorial Board of International Journal of Nonlinear Science and Applications, Feb 2001-

Recent Research Grants

1. 2004-2007 Department of Environment, Fisheries and Rural Affairs : Predicting Biological recoverability after aggregate extraction, £230k overall, £63k for UCL with Richard Simons (Civil Eng).
2. 2008-2010 EC: Global system dynamics for Policy: simulation and visualization technologies (CA 221955: 617k Euros).
3. 2008-2009 Wellcome Foundation Arts Award (WT084755RP: £30k).
4. 2010-2013 EC: Global system dynamics for Policies (CA: 1,315k Euros).
5. 2010-2015 EPSRC: ENFOLD (£3.5m)
6. 2011-2012 EC: FuturICT (1.9m Euros)

Knowledge Transfer

Substantial engagement with schools.

Recently Coordinator if an EC project (GSD) which aimed to engage politicians and business leaders in developing new ways to improve decision making.

Media Output

BBC Tomorrow's World on flashover in building fires. New Scientist feature article. BBC Radio 4 Science Now. BBC Radio Guernsey.

I have written a number of articles for the scientifically interested, but general audience.