PROFESSOR KEITH GODFREY

RESEARCH GRANTS, 1996 to PRESENT

1*. With M.J. Chappell (Engineering), “Identifiability and Indistinguishability of Nonlinear Dynamic Systems”, EPSRC (Grant No. GR/J67130), £104,912, 01/09/94 to 31/08/97.

2*. “Rule Based and Model Based Tuning of Process Controllers using Frequency Domain Identification”, EPSRC (Grant No. GR/K09373), £102,257, 06/11/94 to 05/04/98.

3. “Identification and Control of Complex Systems (ICCoS)”, a collaborative research programme between the Universities of Delft, Linköping, Stanford, Warwick and five Belgian Universities, funded by the Belgian Fund for Scientific Research, £50,000 (approx.) total, 01/04/95 to 31/03/00. (Co-Investigator).

4. With M.J. Chappell (Engineering) (Principal Investigator), G.F. Medley (Biological Sciences), W.S. Kendall (Statistics), and H.P. Wynn (Statistics), “Multi-strain species modelling and control via differential algebra reduction”, BBSRC (Grant No. 88/E08527), £107,568, 17/05/98 to 16/05/01.

5*. With M.J. Chappell (Engineering), M.J. Chapman (Control Theory and Applications Centre, Coventry University), and J.W. Gardner (Engineering), “New Approaches to Identifiability Analysis and their Application to Electronic Nose Experiments”, EPSRC (Grant No. GR/M11943), £173,280, 01/10/98 to 30/09/01.


8. “Identification and Control of Complex Systems II (ICCoS II)”, a collaborative research programme between Universities of California (Los Angeles), Delft, Grenoble, Linköping, Liverpool, Twente, Valladolid, Warwick and five Belgian Universities (Gent, Leuven, Louvain-la-Neuve, Université Libre de Bruxelles and Vrije Universiteit Brussel), funded by NFWO (Belgian Research Council), £37,300 (approx.), 01/04/00 to 31/03/05. (Co-Investigator).

9*. With M.J. Chappell (Engineering), and M.J. Chapman (Control Theory and Applications Centre, Coventry University), “Application of Identifiability and Control to Nonlinear Physically-based Models”, EPSRC (Grant No. GR/R70354/01), £151,683, 01/10/01 to 30/09/04.
10*. “Simulation Tool for Investigating Drug Kinetics, with Application to the Anti-Cancer Drug Topotecan”, University of Wales College of Medicine, Cardiff, £930, 30/06/03 to 08/08/03.

11*. “The Design of Perturbation Signals for Nonlinear System Identification”, Nuffield Foundation Undergraduate Research Bursary, £1400, 30/06/03 to 05/09/03.

12*. “Modelling the Time Course of a Modern Anti-Cancer Agent”, University of Warwick Undergraduate Research Bursary, £1440, 07/07/03 to 12/09/03.

13. With M.J. Chappell (Engineering) (Principal Investigator), “The Biology of Drug Targeting: Predictive Mathematical Modelling of Drug Impact in Complex and Dynamic Cell Populations”, BBSRC (Grant No. 88/E19305), £134,016, 29/09/03 to 28/09/06. This is a joint Grant with the University of Wales College of Medicine, Cardiff, with total value £311,948. (Co-Investigator)

14*. With N.D. Evans (Engineering) “Mathematical Modelling of the Transmission and Control of Mastitis”, University of Warwick Undergraduate Research Bursary, £1026, 07/06/04 to 16/07/04.

15. “Identification and control of complex systems III (ICCoS III)” Collaborative research programme between Budapest University of Technology and Economics, École Centrale de Lille, École Polytechnique Montreal, INRIA Rennes, KTH Stockholm, the Universities of California (Los Angeles), Cluj-Napoca, Delft, Krakow, Linköping, Sheffield, Tasmania, Uppsala, Valladolid, Vienna, and Warwick and five Belgian Universities (Ghent, Leuven, Louvain-la-Neuve, Université Libre de Bruxelles and Vrije Universiteit Brussel), 62,500 Euros, 01/01/05 to 31/12/09. (Co-Investigator).

I am Principal Investigator on the Grants marked with an asterisk.
JOURNAL PUBLICATIONS, 1996 to PRESENT


REFEREED CONFERENCE PAPERS, 1996 to PRESENT


CONTRIBUTION TO EDITED BOOK


RECENT AWARDS

- The Institution of Electrical Engineers Snell Premium (2000) was awarded for the paper J7.
- Professor Godfrey was awarded the Honeywell International Medal, 2000/2001 by the Institute of Measurement and Control, for distinguished contributions to control engineering.

INTERNATIONAL COMMITTEES

- Member of IFAC (International Federation of Automatic Control) Technical Committee on Modelling, Identification and Signal Processing, 1994 onwards.
- Member of IFAC (International Federation of Automatic Control) Technical Committee on Biomedical Engineering and Control, 1997 onwards.
- Member of International Programme Committee, 14th IFAC Symposium on System Identification, Newcastle, Australia, April 2006.
- Member of International Programme Committee, 6th IFAC Symposium on Modelling and Control in Biomedical Systems (including Biological Systems), Reims, France, September 2006.

NATIONAL COMMITTEE

- EPSRC (Engineering and Physical Sciences Research Council) Peer Review College, January 2003 onwards

EDITORIAL BOARDS

- Member of Editorial Board of “Biopharmaceutics and Drug Disposition”, John Wiley, Chichester, 1994 onwards.