

## CURRICULUM VITAE

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### Clifford Ronald Wymer

153 North End House,  
FitzJames Avenue, London W1X 8HL  
United Kingdom  
[wymer@mail.com](mailto:wymer@mail.com)

#### 1. Professional Preparation:

Undergraduate: University of Auckland, Economics, B.Com, 1963

Graduate: University of Auckland, Economics, M.Com with First Class Honours, 1965

London School of Economics and Political Science, University of London, Ph.D in Economics, 1969

#### 2. Awards and Scholarships:

|         |   |
|---------|---|
| 1965-68 | Commonwealth Scholarship                            |
| 1963-64 | Bank of New South Wales Scholarship in Economics    |
| 1963    | Senior Scholar in Economics                         |
| 1962-63 | Alfred P. Fogerty Memorial Scholarship in Economics |
| 1961-64 | Colonial Sugar Refining Co. Commerce Scholarship    |

#### 3. Appointments:

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| 2007 - to date | Visiting Senior Research Scholar, Cornell University, NY (various times)                        |
| 1995 - 2006    | Adjunct Professor, University of Illinois, IL.  |
| 2000 - 01      | Visiting Professor, CIDEI, University of Rome "La Sapienza"                                     |
| 1994           | Visiting Professor, London School of Economics and Political Science                            |
| 1992 - 93      | Visiting Professor, University of Rome "La Sapienza"  |
| 1976 - 86      | Senior Economist, Research Department, International Monetary Fund.<br>(Retired on disability.) |
| 1976           | Senior Lecturer in Economics, London School of Economics  |
| 1973 - 76      | Director, SSRC International Monetary Research Programme  |
| 1971           | Visiting Lecturer, University of Canterbury   |
| 1968 - 76      | Lecturer in Economics, London School of Economics   |

#### 4. Publications:

(with Enrico Saltari and Daniela Federici), The role of ICT and business services in the Italian Economy, *Structural Change and Economic Dynamics* 25, 2013, p.110-118.

(with Enrico Saltari, Daniela Federici and Marilena Giannetti), Technological adoption with imperfect markets in the Italian economy, *Studies in Non-linear Dynamics and Econometrics* 16, 2012, p.1-28.

Continuous-time econometrics of structural models, *Studies in Non-linear Dynamics and Econometrics* 16, 2012, p.1-28.

(with K.P. Donaghy) Econometric Estimation of Nonlinear Continuous-Time Models of Intertemporally Optimizing Agents in *Research Tools in Natural Resource and Environmental Economics* edited by Peter Nijkamp and Amitrajeet A. Batabyal, World Scientific Publishing, New Jersey, 2011, p. 223-253.

(with Enrico Saltari, and Giuseppe Travaglini) Investment, Productivity and Employment in the Italian Economy, in *The Economics of Imperfect Markets* edited by Giorgio Calci Novati and Enrico Saltari, Springer-Verlag, Berlin, 2010, pp. 1-28.

Aperiodic Dynamics in the Bergstrom/Wymer model of the United Kingdom, *Econometric Theory* 25, 2009, pp. 1099-1111.

(with N. Balta-Ozkan and K.P. Donaghy) Effects of Trade on Emissions in an Enlarged European Union: Comparative Dynamics Analyses with an Empirical Endogenous Growth Model, in *Globalization and Regional Economic Modeling*, edited by R.J. Cooper, K.P. Donaghy, and G.J.D. Hewings, Springer-Verlag, Berlin, 2007, pp. 353-392.

Structural non-linear continuous time models in econometrics, *Macro-economic Dynamics* Vol. 1, 1997, Cambridge University Press, pp. 518-48.

The role of continuous time disequilibrium models in macro-economics presented at the SEMECON *Conference on Dynamic Disequilibrium Modelling*, University of Munich, Germany, 30 August - 3 September, 1993; published in *Dynamic Disequilibrium Modelling*, edited by W.A. Barnett, G. Gandolfo and C. Hillinger, Cambridge University Press, Cambridge, 1996, pp. 67-123.

(with G. Gandolfo, P.C. Padoan and G. De Arcangelis) Non-linear estimation of a non-linear continuous time model, in *Dynamic Disequilibrium Modelling*, edited by W.A. Barnett, G. Gandolfo and C. Hillinger, Cambridge University Press, Cambridge, 1996, pp. 127-150.

Advances in the estimation and analysis of non-linear differential equation models in economics, in *Methods and Applications of Economic Dynamics*, edited by L. Schoonbeek, E. Sterken and S.K. Kuipers, North-holland, Amsterdam, 1995, pp. 41-76.

Continuous time models in macro-economics - specification and estimation, presented at the SSRC - Ford Foundation *Conference on Macro-economic Policy and Adjustment in Open Economies*, Ware, England, 1976. Published with an additional Section in *Continuous Time Econometrics: Theory and Application* edited by Giancarlo Gandolfo, Chapman and Hall, London, 1993, pp. 35-79.

Estimation of non-linear differential equation systems in *Models, Methods and Applications in Econometrics*, edited by P.C.B. Phillips and V.B. Hall, Blackwell, Oxford, 1992, pp. 91-114.

(with A.R. Bergstrom and K.B. Nowman) Gaussian estimation of a second order continuous time macroeconomic model of the United Kingdom, *Economic Modelling*, 1992, pp. 313-51.

Sensitivity analysis of economic policy presented at a Seminar on "The Application of Sensitivity Analysis to the Evaluation of Financial Policies", World Bank, Washington, DC., 1982, and published in *Essays in Memory of Vittorio Marrama*, edited by Giancarlo Gandolfo and Ferruccio Marzano, Guiffre, 1987, pp. 953-65.

(with M.D. Knight) A macro-economic model of the United Kingdom, *IMF Staff Papers*, 1978, Vol. 25, pp. 742-78.

(with Eleanor Moses and P.D. Jonson) The RBA 76 model of the Australian economy, in *Proceedings of the Conference in Applied Economic Research*, Reserve Bank of Australia, 1977, pp. 9-36.

(with A.R. Bergstrom) A model of disequilibrium growth and its application to the United Kingdom in *Statistical Inference in Continuous Time Economic Models*, edited by A.R. Bergstrom, North-Holland, 1975, pp. 267-327.

(with M.D. Knight) A monetary model of an open economy with particular reference to the United Kingdom in *Proceedings of AUTE Conference*, 1975, edited by M.J. Artis and A.R. Nobay, C.U.P., 1975, pp. 153-72.

Estimation of continuous time models with an application to the World sugar market in *Quantitative Models of Commodity Markets*, edited by Walter C. Labys, Ballinger, 1975, pp. 173-91.

Econometric estimation of stochastic differential equation systems, *Econometrica*, 1972, Vol. 40, pp. 565-78. (Reprinted in *Statistical Inference in Continuous Time Economic Models*, edited by A.R. Bergstrom, North-Holland, 1975.)

A continuous disequilibrium adjustment model of the United Kingdom financial markets in *Econometric Studies of Macro and Monetary Relations*, edited by A.A. Powell and R.A. Williams, North-Holland, 1972, pp. 301-34.

## 5. Synergistic Activities:

Advisor to staff within IMF on range of topics.

Advisor to external organizations such as:- Reserve Bank of Australia, Federal Reserve System Board of Governors(Washington, DC), Reserve Bank of New Zealand, Confederazione Generale Dell'Industria Italiana (Confindustria, Rome), Banca d'Italia (Rome), Istituto di Studi per la Programmazione Economia (ISPE, Rome), Directorate-General for Economic and Financial Affairs (DGII, Commission of the European Community, Brussels)

Development of suite of computer programs to implement theoretical work in estimation, analysis and forecasting or simulation of continuous time systems.

Visiting appointments were for teaching at senior graduate level and advice or supervision of research

Director, UK SSRC programme on International Monetary Theory and its policy implications.

#### International Monetary Fund

Although much of the work with which I was associated in the Fund is unpublished, some publications by Fund staff in which I was closely involved include:

D. Richard, A Dynamic Model of the World Copper Industry, *IMF Staff Papers*, December, 1978.

A. Brillembourg and S. Schadler, A Model of Currency Substitution in Exchange Rate Determination, 1973-78, *IMF Staff Papers*, September, 1979.

D. Richard, A Global Adjustment Model of Exchange and Interest Rates, in *The Functioning of Floating Exchange Rates: Theory, Evidence and Policy Implications*, edited by D. Bigman and T.Taya, Ballinger, 1980.

G. Tullio, Demand Management and Exchange Rate Policy: The Italian Experience, *IMF Staff Papers*, March, 1981.

A. Sommariva and G. Tullio, *Macro-Economic Policy, Inflation and Growth: 100 Years of German Economic History*, Macmillan, 1986.

**6. Post-graduate students include:**

Malcolm D. Knight (General Manager, Bank of International Settlements, Basle), Mohsin Kahn (Director, Middle East Department, IMF), Leo Drollas (Director, Centre for Global Energy Studies, London), Peter Jonson (Professional Company Director, Melbourne), Henryk Kierzkowski (Professor of Economics, Graduate School of International Studies, Geneva), Jocelyn Horne (Professor of Economics, Macquarie University, Sydney), Ranjan Ray (Professor of Economics, University of Tasmania, Hobart) , Herman Nieuwenhuis (University of Groningen)

Total number of graduate students and postdoctoral scholars sponsored - 20.

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