

Curriculum Vitae

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Nationality British
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Work Details

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Degrees

PhD School of Oriental and African Studies, University of London, 1984.
MSc (Econ) London School of Economics and Political Science, June 1972.
BA First Class Honours in Economics and Economic History, June 1971,
The University of Durham, United Kingdom

Present Position

Research Associate: Centre for the Study of African Economies, University of Oxford.

Posts Held:

1996-2012

Deputy Director, Centre for the Study of African Economies, University of Oxford.

University Reader in Economics

(I retired from my position of Deputy Director in September 2012 which I had held since 1996)

From April 2003 to July 2007

Director of the ESRC funded Global Poverty Research Group (GPRG).

1991-1995 Research Officer, Centre for the Study of African Economies, University of
Oxford and Fellow St John's College Oxford

1988-91 Senior Research Fellow, Department of Economics, Research School of Social
Sciences, Australian National University, Canberra, Australia.

Worked on labour market issues in the Australian labour market, trade policy and shadow pricing.

1985-88 Senior Economist, Bureau of Agricultural Economics, Canberra, Australia.

Worked on trade issues with Japan, the impact of the multi-fibre arrangement on Australian farmers
and domestic wool pricing issues.

1978-84 Lecturer in Economics, School of Oriental and African Studies, University of
London. Lectured and completed a PhD on a part time basis.

1974-78 Research Officer, National Institute of Economic and Social Research, London.
Worked as part of the team on macroeconomic modelling of the UK economy.

1972-74 Economic Adviser, Tanzania Investment Bank, Dar-es-Salaam, ODI Fellow.
As a junior adviser in the Tanzania Investment Bank I worked on issues of investment policy in
Tanzania.

Publications

Books

Empirical Development Economics

Routledge, 2014 (coauthors Måns Söderbom, Markus Eberhardt, Simon Quinn and Andrew Zeitlin)

Principles of Cost Benefit Analysis for Developing Countries

Cambridge University Press, 1996 (coauthor C. Dinwiddy)

The Two Sector General Equilibrium Model: A new approach

Phillip Allan, Oxford, UK, 1988 (coauthor C. Dinwiddy).

Published Research Papers

“Technology and Productivity in African Manufacturing Firms” *World Development*, Volume 64, December 2014, Pages 713–725 (with Simon Baptist)

“No mangos in the tundra: spatial heterogeneity in agricultural productivity analysis”

Oxford Bulletin of Economics and Statistics Volume 75, Issue 6, pages 914–939, December 2013

(with Markus Eberhardt)

“Aggregation versus Heterogeneity in Cross-Country Growth Empirics” *World Bank Economic Review* (2013) 27 (2):229-271. (with Markus Eberhardt)

Paper for the *Oxford Companion to the Economics of Africa*: “Labour and Employment”. 2012

Oxford University Press.

“Jobs, skills and incomes in Ghana: how was poverty halved?” (with Nsowah-Nuamah, Nicholas and Awoonor-Williams, Moses) *Comparative Education*, Volume 48, Number 2, 1 May 2012, pp. 231-248(18)

“The price of labour and understanding the causes of poverty”. *Labour Economics*, Volume 18, Supplement 1, December 2011, Pages S7-S15.

“The returns to formality and informality in urban Africa” (with Paolo Falco, Andrew Kerr, Neil Rankin and Justin Sandefur), *Labour Economics* Volume 18, Supplement 1, December 2011, Pages S23–S31 Labour markets in developing countries

“Higher Education and Economic Development in Africa: a Review of Channels and Interactions” *Journal of African Economies* (2011) 20(suppl 3): iii50-iii79.

“Who benefits from promoting small enterprises? Some empirical evidence from Ethiopia” *World Development*. 38 (4) (2010) pages: 523-540 (with Bob Rijkers and Caterina Ruggeriladerchi)

“Ghana and Côte d’Ivoire: Changing Places” *Revue internationale de politique de développement*, 1| 2010, p. 33-49 (with Markus Eberhardt)

"Teacher unions, teacher pay and student performance in India: A pupil fixed effects approach," *Journal of Development Economics*, Vol. 91(2), pages 278-288, March 2010. (with G. Kingdon)

“Using firm surveys for policy analysis in low income countries” *Journal of Development Perspectives*, Vol. 4:1 October 2008

“The returns to vocational training and academic education: Evidence from Tanzania”. *World Development* (2008) Vol. 36, No. 11, pp. 2223–2242, (with Godius Kahyarara).

“Does performance related pay for teachers improve student performance? Some evidence from India” *Economics of Education Review* 26 (2007) 473–486. (with Geeta Kingdon)

“Using firm surveys for policy analysis in low income countries” *Journal of Development Perspectives*, Vol. 4:1 2008, October, pp1-31.

“Exporting from manufacturing firms in sub-Saharan Africa”, *Journal of African Economies*, Vol. 15, No.4, December 2006, pp.671-687 (with N. Rankin and M. Söderbom).

“Labour market flexibility, wages and incomes in sub-Saharan Africa in the 1990s”, *African Development Review*, Vol. 18, No. 3, December 2006, pp.392-427. (with G. Kingdon and J. Sandefur).

“Econometrics for Grumblers: A New Look at the Literature on Cross-Country Growth Empirics” *Journal of Economic Surveys*, Vol. 25, Issue 1, pp. 109-155, 2011. (with Markus Eberhardt)

“Consumption and welfare in Ghana in the 1990s”, *Journal of Development Studies*, Vol.42, No. 7, pp.1252-1269, October 2006.

“The determinants of survival among African manufacturing firms”, *Economic Development and Cultural Change*, Vol. 54, No. 3, April 2006, pp. 533-555. (with Måns Söderbom, and Alan Harding).

“The dynamics of returns to education in Kenyan and Tanzanian manufacturing”, *Oxford Bulletin of Economics and Statistics*, 2006, Vol. 68, No.3, pp. 261-288 (with Måns Söderbom, Anthony Wambugu and Godius Kahyarara,.

“Unobserved heterogeneity and the relation between earnings and firm size: Evidence from two developing countries” (with Måns Söderbom and Anthony Wambugu) *Economic Letters* , 87, (2005) 153-159.

“How can policy towards manufacturing in Africa reduce poverty? A review of the current evidence from cross-country firm studies.” (with coauthor Måns Söderbom). *African Perspectives Yearbook 2002/03: African Entrepreneurship and private Sector Development*, Lit Verlag, Munster, 2004.

“Do African Manufacturing Firms Learn from Exporting?” (with coauthors Arne Bigsten, Paul Collier, Stefan Dercon, Marcel Fafchamps, Bernard Gauthier, Jan Willem Gunning, Måns Söderbom, Abena Oduro, Remco Oostendorp, Cathy Pattillo, Francis Teal, and Albert Zeufack), *Journal of Development Studies*, Vol. 40, No.3, February 2004, pp. 115-141..

“Size and Efficiency in African Manufacturing Firms: Evidence from Firm-Level Panel Data” (with coauthor Måns Söderbom) *Journal of Development Economics*, 2004, 73, pp. 369-394.

“Credit constraints in manufacturing enterprises in Africa”. (with coauthors Arne Bigsten, Paul Collier, Stefan Dercon, Marcel Fafchamps, Bernard Gauthier, Jan Willem Gunning, Måns Söderbom, Abena Oduro, Remco Oostendorp, Cathy Pattillo, Francis Teal, and Albert Zeufack). *Journal of African Economies*, vol. 12, No.1 March 2003, pp.104-125.

“Are manufacturing exports the key to economic success in Africa?”, *Journal of African Economies*, Vol. 12, No.1 march 2003, pp1-29. (coauthor Måns Söderbom)

“Export growth and trade policy in Ghana in the Twentieth century”, *World Economy*, Vol. 25, No. 9, September 2002, pp.1319-1337.

“Exporting and efficiency in African manufacturing” in *Policies to Promote Competitiveness in Manufacturing in Sub-Saharan Africa* (eds. A.K.Fosu, S.M. Nsouli, A. Varoudakis) (coauthors Bigsten, Arne, Paul Collier, Stefan Dercon, Marcel Fafchamps, Bernard Gauthier, Jan Willem Gunning, Abena Oduro, Remco Oostendorp, Cathy Pattillo, Måns Söderbom and Albert Zeufack). Paris: IMF, AERC and Development Centre of the OECD.

“Skills, investment and exports from manufacturing firms in Africa.” *Journal of Development Studies*, Vol. 37, No.2, December 2000 (with coauthor Måns Söderbom).

This paper has also appeared as a chapter in *Globalisation and Trade: Implications for Exports from Marginalised Economies*, edited by Oliver Morrissey and Igor Filatotchev, Frank Cass, London, 2001.

“Contract flexibility and dispute resolution in African manufacturing.” *Journal of Development Studies*, Vol. 34 (10 April) pp. 1-37, 2000. (with coauthors Bigsten, Arne, Paul Collier, Stefan Dercon, Marcel Fafchamps, Bernard Gauthier, Jan Willem Gunning, Anders Isaksson, Abena Oduro, Remco Oostendorp, Cathy Pattillo, Måns Söderbom and Albert Zeufack).

“Rates of return on physical and human capital in Africa's manufacturing sector.” *Economic Development and Cultural Change*, Vol. 48 (4) pp. 801-827, 2000. (with coauthors Bigsten, Arne, Paul Collier, Stefan Dercon, Marcel Fafchamps, Bernard Gauthier, Jan Willem Gunning, Anders Isaksson, Abena Oduro, Remco Oostendorp, Cathy Pattillo, Måns Söderbom, Albert Zeufack, and Simon Appleton).

“Why can Mauritius export manufactures and Ghana not?” *The World Economy*, Vol. 22 (7) , 1999.

“Real wages and the demand for skilled and unskilled male labour in Ghana's manufacturing sector: 1991-1995.” *Journal of Development Economics*, Vol. 61 pp. 447-461, 2000.

“The Ghanaian manufacturing sector 1991-1995: firm growth, productivity and convergence.” *Journal of Development Studies*, Vol. 36 , pp. 109-127, 1999.

“Investment in Africa's Manufacturing Sector: a Four Country Panel Data Analysis”, (with co-authors), *Oxford Bulletin of Economics and Statistics*, Vol. 61 pp. 489-512, 1999.

“Exports of African Manufactures: Macro Policy and Firm Behaviour”, *Journal of International Trade and Development* (with co-authors), Vol.8:1, (1999) pp.53-71.

"The size and sources of economic rents in a developing country manufacturing labour market", *Economic Journal*, July 1996.

"The shadow wage rate: Theory and application", *Journal of Public Economics*, 53, 309-317, 1994 (with C.Dinwiddy).

"The use and cost of child care in Australia", *Australian Economic Review*, 1st Quarter 1992, pp.3-13.

“The Effects of Child Care Costs on Women's Market Work” in R.G. Gregory and T. Karmel (eds.) *Youth in the Eighties: Papers from the Australian Longitudinal Survey*, Department of Employment, Education and Training and Centre for Economic Policy Research, ANU, 1992.

"Foreign exchange equivalence and project appraisal procedures", *Economic Journal*, June 1990.

(with C. Dinwiddy).

"Relative shadow prices and the shadow exchange rate", *Journal of Public Economics*, 40, 1989, pp.349-358. (with C. Dinwiddy).

Japanese Beef Policies: Implications for trade, prices and market share, ABARE Occasional Paper No. 102, AGPS, Canberra, 1988. (with D. Porter, A. Dickson and D. Whiteford).

"Shadow prices for non-traded goods in a tax distorted economy: formulae and values", *Journal of Public Economics*, 1987 (with C. Dinwiddy).

"Project appraisal and foreign exchange constraints - a comment" *Economic Journal*, June 1987. (with C. Dinwiddy).

"The effects of the Multifibre Arrangement on the market for wool", *Quarterly Review of the Rural Economy*, 8, 3, August 1986. (with T. Ebbott and A. Dickson).

"The foreign exchange regime and growth - a comparison of Ghana and the Ivory Coast", *African Affairs*, April 1986.

"Project appraisal procedures and the evaluation of foreign exchange", *Economica*, 53, 1986, pp.97-107. (with C. Dinwiddy).

"Shadow prices and cost-benefit rules for non-traded commodities in a second best economy", *Oxford Economic Papers*, 37, 1985, pp.683-690. (with C. Dinwiddy).

"Domestic credit and the balance of payments in Ghana: a comment", *Journal of Development Studies*, Vol. 21, No. 4, July 1985 (with Y.M. Giwa).

"The supply of agricultural output in Nigeria, 1950-1974", *Journal of Development Studies*, vol. 19, No. 2, January 1983.

"An assessment and comparison of two NIESR econometric model forecasts", *National Institute Economic Review*, No. 88, May 1979, (co-author D.R. Osborn)

"Choosing between macroeconomic models: an illustration of the problems", *The Manchester School of Economic and Social Studies*, March 1979, No. 1. (co-author D.R. Osborn)

CSAE Working Papers

WPS/2014-10 Rulof P. Burger and Francis J. Teal. *The effect of schooling on worker productivity: evidence from a South African industry panel*

WPS/2013-13 Rulof P. Burger and Francis J. Teal. *Measuring the option value of education*

WPS/2012-04 Andrew Kerr and Francis Teal. *The Determinants of Earnings Inequalities: Panel data evidence from South Africa.*

WPS/2008-10 Simon Baptist and Francis Teal. *Why do South Korean firms produce so much more output per worker than Ghanaian ones?*

WPS/2008-09 Simon Quinn and Francis Teal. *Private sector development and income dynamics: A panel study of the Tanzanian labour market.*

WPS/2008-08 Courtney Monk, Justin Sandefur and Francis Teal. *Does Doing an Apprenticeship Pay Off? Evidence from Ghana*. CSAE Working Paper

WPS/2009-05 Markus Eberhardt and Francis Teal. *A Common Factor Approach to Spatial Heterogeneity in Agricultural Productivity Analysis*.

WPS/2008-12 Markus Eberhardt and Francis Teal. *Modeling Technology and Technological Change in Manufacturing: How do Countries Differ?*

WPS/2010-37 Andrew Zeitlin, Stefano Caria, Richman Dzene, Petr Janský, Emmanuel Opoku, and Francis Teal. *Heterogeneous returns and the persistence of agricultural technology adoption*.

Recent presentations

Structural Transformation, Employment Creation, and Labor Markets: the implications for poverty reduction in sub-Saharan Africa

Annual Bank Conference on Development Economics (ABCDE), Paris, France

May 30 – June 1, 2011

Job Creation, Poverty and the Structure of the Job Market in Nigeria

53rd Annual Conference of the Nigerian Economic Society,

August 27-30, 2012

Abuja, Nigeria.

Job Creation and Structural Change in sub-Saharan Africa

DFID Economists Conference

13 September 2012

Reports

World Bank Report: NIGERIA: Employment and Growth Study Africa Region

Chapter 2 Employment, Unemployment, Joblessness and Incomes in Nigeria, 1999-2006. (with Luke Haywood)

Chapter 3 Growth, Employment and Industry in Nigeria (with Markus Eberhardt)

Improving productivity through group lending: Report on the Impact Evaluation of the Cocoa Abrabopa Initiative (with Emmanuel Opoku, Richman Dzene, Stefano Caria and Andrew Zeitlin)