



TRANSPORT STUDIES UNIT

Centre for Research, Outreach and Graduate Studies in Transport

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Dr David Bonilla

Positions:

- Research Fellow in Transport, Energy and Environment
- Junior Research Fellow at St Anne's College, Oxford

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Academic Profile

David Bonilla is a research fellow at the [Transport Studies Unit](#) in the [Oxford University Centre for the Environment](#) at the [University of Oxford](#). He did his first degree (economics) at London Guildhall University, London, UK, his MSc (in Economics) at Queen Mary College, [University of London](#), (supervisor: Prof. V. Bulmer-Thomas) and his PhD at Tokyo University of Agriculture and Technology. Prior to his PhD he was an energy economist, focusing on the transport sector, at the Institute of Energy Economics, Japan located in Tokyo. He was a researcher at the Venture Business Laboratory of the Tokyo University of Agriculture and Technology and he worked as an European Union-Japan Science and Technology Research Fellow at the same university. After that he held a research fellowship (Marie Curie) at the [Department of Applied Economics](#), and the Department of Land Economy at the Climate Change Mitigation Research Center (4CMR), both at Cambridge University. David is interested in the interaction of several disciplines: economics, engineering and political issues affecting energy and environment. He is particularly interested in econometric applications to energy technologies including vehicles as well as on energy policy assessment and design.

He is currently (2008) working on three projects (EU Commission, James Martin (Oxford) and UK Research Councils):

1. He is leader of the Freight vision project (EU funded). His duties in 2008 involve working on scenario development for freight transport, carbon modelling of the UK and EU freight transport and related policy analysis, done in close collaboration with other European colleagues based in Vienna, Austria.

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Selected Publications

Journal Articles

- Bonilla, D.** and Foxon T. (forthcoming, 2008) Demand for new car fuel economy in the UK 1970-2005. *Journal of Transport Economics and Policy*.
- Bonilla, D.** (with Agnolucci, P.) (forthcoming, 2008) UK freight demand: Elasticities and decoupling. *Journal of Transport Economics and Policy*.
- Bonilla, D.** (2007) Fuel price changes and the adoption of cogeneration in the UK and the Netherlands. *The Electricity Journal*, 20(7): 59-71.
- Bonilla, D.**, Akisawa, A., Kashiwagi T. (2003) Modelling the adoption of industrial cogeneration in Japan using manufacturing plant survey data. *Energy Policy*, 31(9): 895-910.
- Bonilla, D.**, Baran Saha, B., Akisawa, A., Kashiwagi T. (2002) Technological breakthrough to prevent global warming: The Japanese paradox. *The World Resource Review*, 14(1): 54-68.
- Bonilla, D.**, Akisawa, A., Kashiwagi T. (2002) The adoption of cogeneration in the Japanese manufacturing sector: technological, economic and institutional determinants. *International Journal of Energy Technology and Policy*, 1(1-2): 121-196.

Working Papers

- Bonilla, D.** (2006) Energy prices, production and the adoption of cogeneration in the UK and the Netherlands. Electricity Policy Research Group, Working Paper series (2006). Faculty of Economics, Cambridge University.
- Bonilla, D.** and Foxon, T. (2007) Estimating the demand for new car fuel economy in the UK 1970-2004 using a two-stage error correction model. Environmental Economy and Policy Research. Discussion Paper Series, Department of Land economy. University of Cambridge.
- Bonilla, D.**, and Akisawa, A. (2007) Gasoline demand and new car fuel economy in Japan. (article in review).

Book Chapters

- Bonilla, D.** (contributor) (2000) Energy-End-Use Efficiency. Chapter 6, in *World Energy Assessment: Energy and the Challenge of Sustainability*. World Energy Council, United Nations Development Programme, UN Department of Economics and Social affairs, New York.
- Kashiwagi, T., Saha, B.B., **Bonilla, D.**, and Akisawa, A. (1999) Technological and economic potential of greenhouse gas emissions reduction. Chapter 3 in, *Climate Change 2001, Intergovernmental Panel on Climate Change mitigation (IPCC)*. Contribution of Working Group III to the third Assessment of the IPCC. Cambridge, United Kingdom, Cambridge University Press. pp. 219-220.
- Bonilla, D.** (contributor) (1998) APERC. In, *APEC Asia Pacific Energy Demand and Supply Outlook*. Institute of Energy Economics, APERC, Tokyo, Japan.