

# Tanga Morae McDaniel

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## Education

Ph.D., Economics, University of South Carolina, USA.

B.S., Mathematics and Economics, University of South Carolina, USA.

## Research

Applied Microeconomics, Experimental Economics, Regulation

## Grants

Appalachian State University, Appalachian Foundation Fellows Grant, *Consumer management of energy consumption – a survey of NC households*, February 2009 – June 2010.

Appalachian State University, University Research Council, *Firms' Strategic Use of Cheap Talk and Consequent Effects on Investment Cycles*, March 2007-March 2008.

The Newton Trust, *Regulation and competition in utilities: an experimental analysis*, September 2002-September 2003.

Economic and Social Research Council, UK *Efficient and sustainable regulation and competition in network utilities*, (with Emanuele Giovannetti, David Newbery and Michael Pollitt), April 2000-April 2003.

British Nuclear Fuels Ltd, *Modelling the Review of Electricity Trading Arrangements for England and Wales*, (with Richard Green and David Newbery); January-March 1999.

## Employment

Associate Professor, Department of Economics, Appalachian State University; July 2009 – present.

Assistant Professor, Department of Economics, Appalachian State University; January 2004 – July 2009.

Research Economist, Department of Applied Economics, University of Cambridge, UK; October 1997 – October 2003.

Research Economist, Center for Research in Experimental Economics and Political Decision Making (CREED), University of Amsterdam; September 1995 - July 1997.

Research Assistant, Department of Economics, University of South Carolina; August 1991-August, 1995.

## Visiting Positions

Department of Economics and TILEC, Tilburg University; June 2005.

Institut D'Analisi Economica, Barcelona, Spain; May 2001

## Teaching Experience

Appalachian State University: Principles of Price Theory, Law and Economics, Intermediate Price Theory, Introductory Business Statistics, Industrial Organization.

Guest Lecturer, Jacobs University Bremen: Experimental Economics, May 2009.

Lecturer, University of Cambridge: Utility Regulation, Lent 2000; Lent 2001; Lent 2002.  
Supervisor, University of Cambridge: Utility Regulation, Microeconomics, Privatization.  
Lecturer, University of Amsterdam/Tinbergen Institute: Introduction to Game Theory and Experimental Economics, Fall, 1996.  
Lecturer, University of Amsterdam/NAKE: Experimental Economics, Spring, 1996.  
Lecturer, Department of Economics, University of South Carolina: Principles of Microeconomics, 1994.

### **Consulting and Advisory Research**

Consultant, "Capacity Auctions versus Regulated Tariffs in Gas Markets" (with Karsten Neuhoff) for the Sociaal Economisch Onderzoek Rotterdam and the Netherlands Ministry of Economic Affairs, December 2001/January 2002.  
Consultant, "Entry Capacity Auctions and Investment Signals," (with Karsten Neuhoff) for Transco plc., August 2001.  
Consultant, "Locating a Combined Cycle Gas Turbine", for Transco plc., March 2001.  
Consultant, on the Impact of the New Electricity Trading Arrangements in England and Wales (with Richard Green), for British Nuclear Fuels Ltd, Spring 1999. Resulting papers include: "Expected Revenues in the Electricity Balancing Market: Equivalence between pay-as-bid and SMP" mimeo, 1999 and "Modelling the Review of the Electricity Trading Arrangements: a model of forward trading and the balancing mechanism", 1999, Department of Applied Economics Working Paper, 0003(a).  
"Memorandum on Competition in Electricity Supply" (with Richard Green) pp 66-7 in Select Committee on Trade and Industry *Developments in the Liberalisation of the Domestic Electricity Market*, pp 354-66, HC 871 of 1997-98, London, The Stationery Office.  
Co-Investigator, "An Experimental Environment for Investigation of the Dutch Flower Auctions," Amsterdam, 1996/1997.  
Co-Investigator, "An Operational Survey of Richland County", Richland County, Columbia, South Carolina; 1994/1995.

### **Publications**

McDaniel, T.M, Coordination in games with incomplete information: experimental results, *International Game Theory Review*, forthcoming.  
Harrison, G. and T. McDaniel, "Voting Games and Computational Complexity," *Oxford Economic Papers*, Vol. 60, No. 3, July 2008.  
Brunekreeft, G. and T. McDaniel, "Policy Uncertainty and Supply Adequacy in Electric Power Markets" *Oxford Review of Economic Policy* Spring 2005 21: 111-127.  
Brunekreeft, G. and T. McDaniel, (revised reprint) "Policy Uncertainty and Supply Adequacy in Electric Power Markets" in Dieter Helm (editor), *The New Energy Paradigm*, Oxford University Press, 2007.  
McDaniel, T. and K. Neuhoff, "Auctions to gas transmission access: The British experience," in Maarten Jansen (editor), *Auctioning Public Assets: Analysis and Alternatives*. Cambridge University Press, 2004.  
McDaniel, T., "Information Policy and Information Technology in Eastern Europe with Emphasis on Estonia," in Giovannetti, E., M. Kagami and M. Tsuji (eds.) *Information Technology Policy and the Digital Divide: lessons for developing countries*. Edward Elgar: Cheltenham, 2004.  
Abbink, K, J. Brandts and T. McDaniel, "Asymmetric Demand Information in Uniform and Discriminative Call Auctions: an Experimental Analysis Motivated by Electricity Markets," *Journal of Regulatory Economics*, Volume 23, 2003.  
McDaniel, T., "Auctioning Access to Networks: Evidence and Expectations" *Utilities Policy*, Volume 11, 2003.

- McDaniel, T. and D. Newbery, "Auctions and Trading in Energy Markets - an Economic Analysis" *Regulatory Review - 2002/2003*, Centre for the Study of Regulated Industries: University of Bath, UK, 2003.
- McDaniel, T., "Globalizing Information? The IT revolution in Central and Eastern Europe," in Giovannetti, E. Mitsuhiro Kagami and Tsuji (eds.) *The Internet Revolution*. Cambridge University Press, 2003.
- Dingley, C.E. and T. McDaniel, "Classroom Simulation of an Electricity Market," *IEEE Africon 2002*, Vol. 2, October 2002, pp. 881-886.
- McDaniel, T., "Private Initiatives in the England and Wales Electricity Supply Industry," in Tsuji, M., S. Berg and M. Pollitt (eds.), *Private Initiatives in Infrastructure: priorities, incentives, and performance*. Edward Elgar: Cheltenham, 2002.
- McDaniel, T. and E.E. Rutström, "Decision Making Costs and Problem Solving Performance," *Experimental Economics*, Vol 4, October 2001, 145-161.
- McDaniel, T., "The Deregulation of the Electricity Supply Industry in the UK," in Kagami M. and M. Tsuji (eds.) *Privatization, Deregulation and Economic Efficiency*, Edward Elgar: Cheltenham, 2000
- Beekman, R., L. Brown, L. Clements, G. Harrison, T. McDaniel, S. Odom, and M. Williams, "Environmental Damage Assessment with Hypothetical Surveys: The Calibration Approach," in M. Boman, R. Brännlund, and B. Kriström (eds.), *Topics in Environmental Economics*, Kluwer Academic: Amsterdam, 1999.
- Green, R. and T. McDaniel, "Competition in Electricity Supply: will '1998' be worth it?" (with Richard Green). *Fiscal Studies*, vol. 19 no. 3, August, 1998.
- McDaniel, T. and C. Starmer, "Experimental Economics and Deception: A Comment," *Journal of Economic Psychology*, June 1998.
- Holt. C. and T. McDaniel, "Experimental Economics in the Classroom," in William B. Walstad and Phillip Saunders (eds.), *Teaching Undergraduate Economics: A Handbook for Instructors*, McGraw Hill, 1998.

### **Refereed Working Papers**

- "Policy uncertainty and supply adequacy in electric power markets", (with G. Brunekreeft) TILEC discussion paper, DP 2005-006, University of Tilburg.
- "Entry Capacity Auctions and Investment Signals," (with Karsten Neuhoff), *Cambridge-MIT EP-04 and Department of Applied Economics Working Paper 0213*, 2002.
- "Auctions to gas transmission access: The British experience," (with Karsten Neuhoff), 2002. *Cambridge-MIT EP 06 and MIT CEEPR WP 2002-007*.
- "Modelling the Review of the Electricity Trading Arrangements: a model of forward trading and the balancing mechanism" (with Richard Green), 1999, Department of Applied Economics Working Paper, 0003(a).
- "Competition in Electricity Supply: will '1998' be worth it?" (with Richard Green). *Centre for Economic Policy Research Discussion Paper 1814*. March 1998 and University of California Energy Institute, Power Working Paper 057.

### **Papers in progress and under review**

- "Should we reinvigorate the retail competition debate (with Pete Groothuis)"
- "Energy Savings Techniques: Does Inertia or Incentives Matter?" (with Pete Groothuis)
- "iclickers and student performance in business statistics courses"
- "Cheap Talk and Investment Cycles" (with Gert Brunekreeft)

### **Unpublished Working Papers**

- "Information in Dutch Flower Auctions: An Experimental Analysis," (with Mark Olson, Arthur Schram, and Frans van Winden), mimeo, CREED/University of Amsterdam, 1996.
- "An Experimental Study of Strategic Incentives in Capacity Auctions" (with Andreas Nicklisch).

**Referee for**

American Economic Review, Games and Economic Behavior, Economic Inquiry, Energy Journal  
Experimental Economics, European Economic Review, Information Economics and Policy,  
Journal of Economic Behavior and Organization, Journal of Environmental Management, Journal of Public  
Economics, Journal of Political Economy, Utilities Policy.

**Professional Conferences Presentations and Seminars**

March 1996, European Public Choice Conference. Tiberias, Israel. Presented: "An Experimental Test of the Incentive Compatibility of a Condorcet-Consistent Voting Rule."

October 1996, Economic Science Association. Tucson, Arizona. Presented: "Information in Dutch Flower Auctions: An Experimental Analysis."

Co-organizer, 1996 Amsterdam Workshop on Experimental Economics.

Program Committee and discussant, 1997 European Public Choice Conference. Prague.

May 1998, Energy Modelling Forum, Washington, DC. Presented: "Competition in Electricity Supply: will '1998' be worth it?"

October 1999, Workshop on Competitive Electricity Markets: Pricing, Investment, and Environmental Impacts-Sharing Western Experience with Countries in Economic Transition. Krakow, Poland. Presented: "Liberalized Energy Markets: the UK experience."

January 2000, Private Initiatives in Infrastructure Building in Developing Countries, Makuhari-Chiba, Japan. Presented: "Private Initiatives in the England and Wales Electricity Supply Industry."

October 2000, discussant, Experimental Science Association, Amsterdam.

June 2001, Experimental Science Association, Barcelona. Presented: "Voting Games and Computational Complexity".

April 2002, panel participant, London Business School, Regulation Initiative. Presented: "Auctions of Capacity in Network Industries".

June 2002, Experimental Science Association, Boston. Presented: "Asymmetric Demand Information in Uniform and Discriminative Call Auctions: an experimental analysis motivated by electricity markets".

September 2002, Auctions and Market Design: Theory, Evidence and Applications, Milan. Presented: "The Use of Long-Term Auctions for Network Investment".

April 2003, The Cambridge-MIT Institute workshop, Cambridge, UK. Presented: Auctions for Access.

October 2003, Experimental Science Association, Erfurt. Presented: "Prices as indicators for scarcity - an experimental study of a multistage auction."

May 2004, Experiments in Natural Resource Economics: Fisheries and Energy, Akureyri, Iceland. Presented: "Prices as indicators for scarcity - an experimental study of a multistage auction."

November 2004, faculty seminar, Tilburg University, Netherlands.

September 2006, Economic Science Association, Nottingham, England. Presented: "Strategic Use of Cheap Talk with Demand Uncertainty."

June 2008, Economic Science Association, Pasadena California. Presented: "Cheap Talk and Investment Cycles."

November 2010, Southern Economic Association, Presented: "Should We Reconsider Retail Competition (in North Carolina)?"