

## **Gbadebo A. Oladosu**

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### **Education**

- Ph.D., Penn. State University, Pennsylvania, Energy and Environmental Economics, 2000
- B.Sc., Obafemi Awolowo University, Agricultural Engineering, Nigeria, 1989

### **Appointments**

- 2008-Present, R&D Staff, ESD, Oak Ridge National Laboratory, TN
- 2002-2007, R&D Associate, ESD, Oak Ridge National Laboratory, TN
- 2000-2002 Assistant Professor, Drexel University, PA
  - 2000-2001, SESEP School of Environmental Engineering and Policy
  - 2001-2002, School of Business
- 10/1999-08/2000, Post-Doctoral Associate, Dept. of Energy, Environmental and Mineral Economics, Pennsylvania State University, PA
- 1990-1996, Research Assistant, Center for Energy Research and Development, Obafemi Awolowo University, Ile-Ife, Nigeria

### **Journal Publications**

1. **Oladosu G.** and A. Rose (2007) "Income distribution impacts of climate change mitigation policy in the Susquehann River Basin Economy" **Energy Economics** 29: 520-544
2. Rose A., **G. Oladosu**, and S. Liao (2007) "Business Interruption Impacts of a Terrorist Attack on the Electric Power System of Los Angeles: Customer Resilience to a Total Blackout" **Risk Analysis** 27 (3): 513-531
3. Curlee R.T., I.K. Busch, M.R. Hilliard, **G.A. Oladosu**, F. Southworth and D.P. Vogt (2004) "The Economic Foundations of the Ohio River Navigation Investment Model (ORNIM)" **Transportation Research Record: Journal of the Transportation Research Board**
4. **Oladosu G.** (2003) "An Almost Ideal Demand System Model of Household Vehicle Fuel Expenditure Allocation in the United States." **Energy Journal** 24(1): 1-21
5. Rose A. and **G. Oladosu** (2002) "Greenhouse Gas Mitigation Policy in the United States: Identifying Winners and Losers in an Expanded Permit Trading System." **Energy Journal** 23(1): 1-18
6. Abler D, J. Shortle, A. Rose, and **G. Oladosu** (1999) "Characterizing Regional Economic Impacts and Responses of Climate Change" **Global Planetary Change** 25: 67-81
7. Rose A., Y. Cao, and **G. Oladosu** (2000) "Simulating the Economic Impacts of Climate Change in the Mid-Atlantic Region" **Climate Research** 14: 175-183
8. **Oladosu G.A.** and A.O. Adegbulugbe (1994) "Nigeria's Household Energy Sector: Issues and Demand/Supply Frontiers." **Energy Policy** (June 1994)

9. Adegbulugbe A.O. and G.A. **Oladosu** (1994) "Energy use and CO<sub>2</sub> Emissions in West and Central African Region" **Energy Policy**\_(June 1994)

### **In Preparation**

1. G. **Oladosu** (*Under Review*) Identifying the Oil Price-Macroeconomy Relationship: An Empirical Mode Decomposition Analysis of U.S. Data.
2. Rose A., **G. Oladosu**, B. Lee and G.B. Asay (*In Press*) "The Economic Impacts of the September 11 Terrorist Attacks: A Computable General Equilibrium Analysis", **Peace Economics, Peace Science, and Public Policy**

### **Book Chapters**

1. Rose A., **G. Oladosu** and D. Salvino "Economic Impacts of Electricity Outages in Los Angeles: The Importance of Resilience and General Equilibrium Effects" in **Obtaining the Best from Regulation and Competition**, (Eds: M.A. Crew and M. Spiegel), Kluwer Academic Publishers, 2004
2. Rose A., **G. Oladosu** and S. Liao "Regional economic impacts of a terrorist attack on the water system of Los Angeles: a computable general disequilibrium analysis" in **The Economic Costs and Consequences of Terrorism**, (Eds: H. W. Richardson, P. Gordon and J.E. Moore II), Edward Elgar, 2007

### **Technical Reports**

1. Keith K., **G.A. Oladosu**, A.K. Wolfe, R.D. Perlack, V.H. Dale (2008) "Biofuel Feedstock Assessment for Selected Countries to Support the DOE study of Worldwide Potential to Produce Biofuels with a focus on U.S. Imports **ORNL/TM-2007/224** available at <http://www.osti.gov/bridge/servlets/purl/924080-y8ATDg/924080.PDF>

### **Current Working Papers**

1. **G. Oladosu** and K. Kline (2009) "Re-Visiting General Equilibrium modeling of the Indirect Land Use Impacts of U.S. Biofuels Policy", ORNL
2. Rose A., **G. Oladosu** and Bumsoo Lee (2009) "The Economic Impacts of a Terrorist-Induced Food and Mouth Disease Outbreak: A Computable General Equilibrium Analysis", ORNL/USC

### **Previous Working Papers**

1. **Oladosu**, G.A. (2007) "Economic Impacts of Crude Oil Price Changes in a Detailed General Equilibrium Model of the United States", Oak Ridge National Laboratory.
2. **Oladosu**, G.A. (2006) "Water Availability and Electricity Generation in the Southeastern United States: An Empirical Analysis", Oak Ridge National Laboratory.
3. **Oladosu**, G.A., P. Leiby and D. Bowman (2004) "Oil Market Disruption Risk Assessment: Improving the Statistical Approach to Probability Estimates", Oak Ridge National Laboratory.
4. **Oladosu**, G. A. (2004) "A Simulation of the Welfare Effects of Fuel Price and Efficiency Increases in a Multi-Vehicle Household Framework", Oak Ridge National Laboratory

5. **Oladosu G.A.**, R.T. Curlee, David P. Vogt, Michael Hilliard and Russell Lee (2004) "Elasticity of Demand for Water Transportation: Effects of Assumptions on Navigation Investment Assessment Results", Oak Ridge National Laboratory
6. Rose A.Z., G. **Oladosu** and D. Salvino (2004) "Economic Impacts of Electricity Outages in California: The Importance of Resilience and General Equilibrium Effects." The Pennsylvania State University
7. **Oladosu**, G.A., A.O. Adegbulugbe and J. Sathaye (2001) "A General Equilibrium Analysis of the Effects of Greenhouse Gas Mitigation on the Nigerian Economy", Drexel University
8. **Oladosu** Gbadebo (2001) "Environmental and Welfare Challenges of Energy Sector Transformation in Nigeria", Drexel University.
9. **Oladosu** G.A. (2000) "A Literature Review of the Economic Analysis of Domestic Environmental Pollution Abatement Policies with a focus on Greenhouse Gases." The Pennsylvania State University
10. Rose, A.Z., J. Carmichael, G.A. **Oladosu** and D. Abler (1999), "Modeling the Economics of Natural Hazards Impacts and Policy Responses using Computable General Equilibrium Analysis.", The Pennsylvania State University.
11. **Oladosu** G.A. and R.S. Kamat (1996) Construction of the Susquehanna River Basin Computable General Equilibrium Model, Center for Integrated Assessment (CIRA) of Climate Change. The Pennsylvania State University

## **Presentations**

1. **Oladosu** G., K. Kline and V. Dale (2009) "Cropland Use Data and Modeling: A Case Study of Brazil", Workshop on Land Use Change Simulations with the GTAP Model, Purdue University Indiana, January 26, 2009
2. **Oladosu** G.A. (2007) "Economic Impacts of Crude Oil Price Changes in a Detailed General Equilibrium Model of the United States" 27<sup>th</sup> USAEE/IAEE North American Conference, Houston, September 16-19, 2007.
3. **Oladosu** G.A., S. Hadley, D.P. Vogt and T.J. Wilbanks (2006) "Electricity Generation and Water-Related Constraints: An Empirical Study of Four Southeastern States" 26<sup>th</sup> Annual North American Conference of the USAEE/IAEE, Detroit, September, 2006.
4. Rose A. and **Oladosu** G. (2006) "Re-evaluating Economic Resilience in Light of Catastrophes: Analysis of Businesses and Households in the aftermath of Hurricane Katrina". Symposium titled: "Economic and Risk Assessment of Hurricane Katrina" at the Center for Risk and Economic Analysis of Terrorism Events (CREATE), University of Southern California, Los Angeles, August 18, 2006.
5. **Oladosu** G.A. and A. Z. Rose (2004) "The Income Distribution Impacts of Climate Change Mitigation Policy" 24<sup>th</sup> Annual North American Conference of the USAEE/IAEE, Washington D.C. July 8-10, 2004.
6. **Oladosu** G. (2001) "Environmental and Welfare Challenges of Energy Sector Transformation in Nigeria." Paper presented at the 2001 Open Meeting of the Human Dimensions of Global Environmental Change Research Community, Brazil. October 2001.
7. **Oladosu** G., J. Shortle, J. Lazo and D. Abler (2000) "A Household Production Function Approach to Non-Market Goods Valuation in CGE Models, with an Application to Climate

Change. Paper Presented at the European Association of Environmental and Resource Economists Annual Conference, Rethymnon, Greece, 30 June-2 July 2000

8. **Oladosu** G. A., J. Shortle and J.K. Lazo (1999) "Valuing Outdoor Recreational Impacts of Climate Change in a Regional Computable General Equilibrium Model" Paper presented at the 1999 Open Meeting of the Human Dimensions of Global Environmental Change Research Community, Japan. June 24-26, 1999.
9. **Oladosu** G.A. (1998) "Recreational Impacts of Climate Change in a Regional Computable General Equilibrium Model" (Second Student Prize Paper) Proceedings of the Mineral Economics and Management Society (MEMS) Meeting, Washington D.C. U.S.A
10. **Oladosu** G.A. and O. Durogbola (1992) "Optimization of the Nigerian Energy Supply System" Paper presented at the Joint EDF-Project Workshop on Energy and Environment April 1992.

### **Other Written Work**

1. **Oladosu** G.A. Oladosu (1990) "Accelerating and Sustaining Rural Development in Nigeria" Fourth Prize Essay in the General category of a National essay competition organized by the Directorate for Food, Roads and Rural Infrastructures. 1990.
2. **Oladosu** G.A. (1989) "The Design, Construction and Testing of a Cocoa Pod Processor", B.Sc. Thesis submitted to the Department of Agricultural Engineering, Obafemi Awolowo University, Ile-Ife. 1989

### **Awards and Recognition**

- 1999 Outstanding Ph.D. Student Award of the Energy, Environmental and Mineral Economics Department, The Pennsylvania State University, U.S.A.
- 1998 Second Student Prize Paper at the Mineral Economics and Management Society (MEMS) Seventh Annual Professional Meeting, Washington D.C., U.S.A
- 1992 Federal Government of Nigeria Post Graduate Scholarship, Nigeria
- 1988 Best Student Prize of the Agricultural Engineering Department, Obafemi Awolowo University, Ile-Ife, Nigeria

### **Professional Associations and Activities**

- International Association for Energy Economics (IAEE)
- Peer Reviewer for the *Energy Journal* and *Energy Policy*