

XIAOYI MU

Center for Energy, Petroleum and Mineral Law and Policy
University of Dundee, Carnegie Building
Dundee, DD1 4HN, UK

Tel: 44 (0)1382 384843
Fax: 44 (0)1382 384854
Email: x.mu@dundee.ac.uk

EDUCATION

Ph.D., Economics, University of Oklahoma, Norman, OK, 06/2006

B. A., Marketing and Economics, Renmin (People's) University of China, Beijing, 7/1994

FIELDS OF INTEREST

Energy Economics, Industrial Organization, Public Economics, International Finance

PUBLICATIONS

1. "Investment Spikes and Uncertainty in the Petroleum Refining Industry" (with Timothy Dunne), *Journal of Industrial Economics*, forthcoming
2. "Weather, Storage, and Natural Gas Price Dynamics: Fundamentals and Volatility" (*Energy Economics*, Vol 29, Iss. 1, January 2007)
3. "Local Option Sales Tax: A Decentralizing Policy?" (with Cynthia Rogers), *Proceedings: Ninety-Seventh Annual Conference on Taxation*, 2004, Minneapolis

WORKING PAPERS

1. "Measuring Unilateral Market Power in Texas Deregulated Electricity Market"
2. "A Duration Analysis of Current Account Sustainability" (with Haichun Ye)
3. "Can the Weatherman Forecast Gas Price?" (in progress)

TEACHING EXPERIENCE

- Petroleum Economics and Policy (University of Dundee, Fall 2008)
- Undergraduate Courses (University of Oklahoma)
 - Principles of Microeconomics (Spring 2005)
 - Elements of Statistics (Summer 2004, Summer 2005)
- Executives Training Courses (University of Colorado, June 2007)
 - Principles of Electric Load Forecasting, Price Modeling and Risk Management

RESEARCH EXPERIENCE

Research Assistant for Dr. Dennis O'Brien
Institute for Energy Economics and Policy, University of Oklahoma (08/2001-08/2004)

- Investigator, "*Challenges and Opportunities: Oklahoma Refining Study*", evaluated the impact of tightening product specs on petroleum refineries and the state economy

- Investigator, “*The Energy Weather Project*”(\$75,000), examined the weather impact on the demand and supply of natural gas and heating oil in US
- Principal investigator, \$5,000 consulting project, “*Chinese LNG Market Study*” in conjunction with a private consulting firm
- Investigator, \$70,000 consulting project “*Valuation of Gas-to-Liquid Products in Asia Pacific Market*” for a major international energy company

INDUSTRY EXPERIENCE

Senior Consultant (07/2006 – 05/2008), Global Energy Decisions, Sacramento, CA

- Engaged in asset valuation of thermal and hydro power plants throughout USA
- Developed a stochastic simulation tool for wind generation and econometric forecasting models of ancillary service prices
- Performed integrated resource planning studies for major utilities in Minnesota and Kentucky

Market Operations Support Analyst (Intern, 07/2005-10/2005)

Electric Reliability Council of Texas (ERCOT), Inc

- Analyzed the deployment of ancillary services and firms’ bidding behavior in ERCOT balancing energy market

Planning Manager (11/1999- 05/2001)

Natural Gas and Pipelines, PetroChina Co. Ltd

- Responsible for crude oil sales and transportation planning, market analysis, demand forecasting, and contract negotiation

Market Analyst (07/1994 – 11/1999)

Refining and Marketing, China National Petroleum Corporation (CNPC)

- Engaged in market analysis, strategic planning, and policy analysis

PRESENTATIONS

- 25th North American Conference of the USAEE/IAEE, September 2005, Denver
- ASSA/IAEE Annual Conference, January 2005, Philadelphia
- 97th National Tax Association Conference, November 2004, Minneapolis
- Department of Economics Seminar, University of Oklahoma, April 2004, Norman

AWARDS AND HONORS

- 25th IAEE North American Conference Student Best Paper Award, Denver, 09/2005
- 28th IAEE International Conference Student Best Paper Award, Taipei, 06/2005
- Robert C. Thomas Tenneco Energy Scholarship, 2001-2003
- Petroad Research Grant, 2002-2003

OTHERS

Computer Skills: SAS, Matlab, EViews, Stata, RATS, SQL. and MS-Office

Affiliation: International Association for Energy Economics (IAEE)

Languages: Chinese (native), English (fluent)