

Arne C. Kildegaard, Ph.D.

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Experience

Riso National Laboratory (Denmark). Visiting Researcher, Energy Systems Analysis Department. August, 2007-July, 2008.

University of Minnesota, Morris. Associate Professor of Economics & Management. August, 2001-May 2004. Associate Professor with tenure, May 2004-present.

Universidad de Guanajuato, Associate Professor of Economics. June, 1998-June 2000. Associate Professor with tenure, June 2000-August, 2001.

University of Mississippi. Assistant Professor, Department of Economics & Finance. August, 1993-1994; 1995-1998.

Tulane University. Visiting Assistant Professor, Department of Economics and Center for Latin American Studies. 1994-1995.

University of Texas at Austin. Teaching Assistant and Assistant Instructor. 1989-1992.

Education

University of Texas at Austin, Department of Economics. Ph.D. December, 1994.

University of Chicago, Committee on Latin American Studies. M.A. August, 1987.

Gustavus Adolphus College, St. Peter, MN. B.A. June 1981.

Publications

“Green Certificate Markets, the Risk of Over-Investment, and the Role of Long-Term Contracts,” forthcoming, *Energy Policy*.

“Whose Wind? Prospects for Cooperative and Community Wind Development on the U.S. Upper Great Plains,” with Bart Finzel. Forthcoming, *Journal of Cooperatives*.

“Leveraging Assets: A Case Study of the Sustainability Initiative at the University of Minnesota, Morris,” with Troy Goodnough, Margaret Kuchenreuther, Lowell Rasmussen, and Pete Wyckoff. Forthcoming, *Journal of Cleaner Production*.

“Renewable Electricity Policy in Minnesota.” Chapter 13 in Perspectives on Minnesota Government and Politics, 6th ed., Pearson Custom Publishing, 2007.

“Relative Price Changes and Absolute Banking Disasters: The Role of Equilibrium Asset Price Adjustments,” *Economic Modelling*, March 2007.

“Renewable Electricity Policy in Minnesota: Can We Change the Subject?” *The CURA Reporter*, Dec. 2006.

“Fundamentals of Real Exchange Rate Determination: What Role in the Mexican Peso Crisis?” *Estudios Económicos* (Mexico), V.21, No.1, January-June 2006.

“Banks, Systematic Risk, and Industrial Concentration: Theory and Evidence,” with Pete Williams, *Journal of Economic Behavior and Organization*. V.47, No. 4, April, 2002.

“Fiscal Reform, Bank Solvency, and the Law of Unintended Consequences: A CGE Analysis of Mexico,” *North American Journal of Economics and Finance*, V.12, No.1, March, 2001.

- “A Note on 'Single Entity' and Promotional Incentives in MLS,” *Journal of Sport and Social Issues*, V.25, No.2, May, 2001.
- “Liberalización Financiera y el Colapso del Tipo de Cambio Fijo,” (“Financial Liberalization and the Timing of Collapse of a Fixed Exchange Rate Regime,”) with Roberto Orro, *Comercio Exterior*, June, 2000. (English version here)
- “Foreign Finance and the Collapse of the Mexican Peso,” *Journal of Economic Issues*, V.31, No.4 December, 1997.
- “Liquidity, Risk, and the Collapse of the Mexican Peso: A Dynamic CGE Interpretation,” *Southern Economic Journal*, V.63, No.2 October, 1996.
- “The Productivity of Economics Departments in the U.S.: Publications in the Core Journals,” with M. Conroy, R. Dusansky, and D. Drukker, *Journal of Economic Literature*, V.33, No. 4.

Papers Currently Under Review

- “Avoided Capacity Charges and Behind-the-Meter Wind: Insights from an Application at the University of Minnesota,” with Laura Hildreth. Submitted to *Wind Energy*.

Papers Published in Conference Proceedings

- “Cooperative Wind Development on the Upper Great Plains,” with Bart Finzel. Proceedings of the 2006 Meeting of The International Association for the Economics of Participation, Oñati, Guipúzcoa, Spain, July 2006.
- “A Neural Network Approach to Predicting Exchange Rate Crises.” Proceedings of the 8th Annual Meeting of the Latin American and Caribbean Economics Association, Puebla, Mexico, October 2003.
- “Dollarization in Cuba and Implications for the Future Transition,” (with Roberto Orro Fernandez), in *Cuba in Transition: Volume 9, Papers and Proceedings of the Eight Annual Meeting of the Association for the Study of the Cuban Economy (ASCE)*, 1999.
- “A Computable General Equilibrium Model for Guanajuato,” Proceedings of the International Association of Survey Statisticians/International Association for Official Statistics Joint Conference on "Statistics for Economic and Social Development," Aguascalientes, Mexico, September, 1998.
- “Solvency and the Tax Code in Mexico: Is There a ‘Backdoor’ Approach to Saving the Financial System?” Proceedings of the 6th Annual CGE Conference, Waterloo, Ontario, October, 1995.

Conference Papers

- “Green Certificate Markets, the Risk of Over-Investment, and the Role of Long-Term Contracts,” to be presented at the International Association of Energy Economics annual conference, Istanbul, Turkey, June, 2008.
- “Leveraging Assets: A Case Study of the Sustainability Initiative at the University of Minnesota, Morris.” Paper presented at the 13th Annual International Sustainable Development Research Conference, Västerås, Sweden, June 2007.
- “Behind-the-Meter Wind: What Effect on Capacity Charge?” Paper presented at the Midwest Economics Association Annual Conference, Minneapolis, MN, March 2007.

- “Community vs. Corporate Wind: Does it Matter Who Develops the Wind in Big Stone County, MN?” Poster presentation at the Institute for Renewable Energy and the Environment (IREE) Third Annual Research Symposium, Minneapolis, MN, Nov. 2006.
- “Aspects of Dollarization and De-Dollarization in Cuba.” Presented at the Latin American Studies Association conference, San Juan, PR, March 2006
- “A Neural Network Approach to Predicting Exchange Rate Crises.” Presented at the Latin American and Caribbean Economics Association annual conference, Puebla, Mexico, October 2003.
- “Fundamentals of Real Exchange Rate Determination: What Role in the Peso Crisis?” Presented at the Midwest Economic Association annual conference, St. Louis, MO, March 2003.
- “Clean Technological Change in Developing Country Industrial Clusters: Mexican Leather Tanneries,” with Allen Blackman (Resources for the Future), presented at the American Agricultural Economics Association annual conference, Chicago, IL, August, 2001.
- “The Historical Evolution of Monetary Dualism in Cuba,” presented at the Latin American and Caribbean Economics Association (LACEA) conference, Santiago, Chile, October, 1999.
- “Industrial Concentration and Financial Structure: Evidence from an International Cross-Section,” presented at the Southern Economics Association Annual Conference, Baltimore, Maryland, November, 1998.
- “A Computable General Equilibrium Model for Guanajuato,” presented at the IASS/IAOS Joint Conference, Aguascalientes, Mexico, September, 1998.
- “Rational Speculative Attacks on a Lender of Last Resort: A Theoretical Example with An Application to the Mexican Peso Collapse,” presented at the Southern Economic Association Annual Congress, Washington, DC, November, 1996.
- “Modeling Economic Impact Without Hyperbole: An Input-Output Model for Lafayette County, Mississippi,” presented at the 5th Annual Economic Research Symposium, November, 1996, Jackson, Mississippi.
- “Liquidity Constraints in a Dynamic CGE Model,” presented at the 32nd Annual Meeting of the Missouri Valley Economic Association, Memphis, TN, March, 1996.
- “Solvency and the Tax Code in Mexico: Is There a 'Backdoor' Approach to Saving the Financial System?” Presented at the 6th Annual CGE Conference, Waterloo, Ontario, October, 1995.
- “Foreign Finance and the Collapse of the Mexican Peso,” presented at the 19th International Congress of the Latin American Studies Association, Washington, DC, September, 1995.
- “Tracing the Mexican Peso Collapse to Fundamentals: The Role of Risk,” presented at the Conference on Computational Economics, Austin, TX, May 1995.
- “Terms of Trade Shocks and the Stability of the Mexican Financial System,” presented at the 18th International Congress of the Latin American Studies Association, March 1994.
- “Modeling Inertial Inflation and the 'Fight for Shares,’” presented at the Southwestern Social Science Association Annual Conference, March 1992.

Miscellaneous Honors and Distinctions

- SABBATICANT, University of Minnesota, Morris. 2007-2008.

- GUEST RESEARCHER, Energy Systems Analysis, Risø National Laboratory/Danish Technical University, Roskilde, Denmark. 2007-2008.
- INVITED LECTURER
 - Risø National Laboratory/DTU, Energy Systems Analysis Division, February, 2008.
 - Risø National Laboratory/DTU, Energy Systems Analysis Division, September 2007.
 - CERTS (Clean Energy Research Teams) Meeting on Community Wind, Clinton, MN, September 2006.
 - Universidad de Guanajuato, Escuela de Economía, October 2003;
 - Centro de Investigaciones Matemáticas (CIMAT), May 2000
 - Instituto Tecnológico de Estudios Superiores de México (ITESM Leon), January 2000;
 - Universidad de Guadalajara, 1999;
 - Jackson State University, 1997.
- REFEREE:
 - *Journal of Cleaner Production*
 - *Energy Journal*
 - *International Review of Economics and Finance*
 - *El Trimestre Económico* (Mexico)
 - *Economic Modelling*
 - *North American Journal of Economics and Finance*
 - *Southern Economic Journal*
 - *Journal of Finance and Economics*
- ADVISORY BOARD MEMBER, *North American Economics and Finance Association*.
- SINGLE SEMESTER RESEARCH LEAVE, University of Minnesota Morris, fall 2005.
- FACULTY DIRECTOR, CENTER FOR SMALL TOWNS, University of Minnesota, Morris, fall 2004-spring 2007.
- REGIONAL FACULTY ASSOCIATE, Center for Latin American and Caribbean Studies, University of Wisconsin--Milwaukee.
- NATIONAL RESEARCHER, Mexican National Science and Technology Council (CONACyT), National Research System (SNI). 1998-2000.
- HALE FELLOW, University of Texas at Austin.
- UNIVERSITY FELLOW, University of Texas at Austin.

Grants and Contracts

- Grant (\$10,000). Grant-in-Aid (University of Minnesota). Awarded Spring, 2007.
- Grant (\$13,000). Office of International Programs (University of Minnesota). International Interdisciplinary Research Grant. Awarded March, 2007.
- Grant (\$1,500). Office of International Programs (University of Minnesota) International Travel Grant. Awarded May, 2007.
- Grant (\$1,500). Faculty Research Enhancement Fund (University of Minnesota) grant. Awarded January, 2007.
- Grant (\$12,000). IREE (University of Minnesota) and the West Central (MN) Regional Sustainable Development Partnership. Awarded for Summer, 2006. Title: "Economics of Community Wind Projects: Big Stone County."

- Grant (\$12,600). CURA (Center for Urban and Regional Affairs, University of Minnesota) Faculty Interactive Research Program 2005. Awarded for summer, 2005. Title: "Utility Rates for Reverse-Metered Electricity: A Key Obstacle to Renewable Energy Technology Adoption?"
- Grant (\$1.8 million). USDA/DOE, awarded September, 2005. Title: "Biomass Gasification Proposal for the Biomass Research and Development Initiative." (Parties: West Central Research and Outreach Center, USDA Soils Lab, University of Minnesota, Morris). My role: economic and financial analysis.
- Grant (\$399,000): Community Outreach Partnership Centers (COPC), from the U.S. HUD. Awarded February, 2005. Title: "Adapting to Change: Managing Urbanization in Rural America." (Parties: Center for Small Towns, University of Minnesota, Morris; various community agencies). My role: researcher, Steering Committee member; Advisory Committee member.
- Grant (\$2000): Service Learning Grant, to incorporate service learning into Economics 3008: Environmental and Natural Resource Economics. Awarded January, 2003.
- Grant: (\$1000): Bush Foundation Instructional Technology Grant. University of Minnesota, Morris. Awarded November, 2002.
- Grant: (\$500): Faculty Enrichment Program, Mentoring Grant, University of Minnesota, Morris. Awarded April, 2002.
- Contract: (\$30,000). Institute of Ecology, State of Guanajuato (Mexico). Awarded December, 2000. Contract to review state and federal fiscal policies bearing on "green taxation," and to outline a course of strategy for state policy. (Other parties: Professor Nicolas Sisto).
- Grant: (\$75,000). Source: The Tinker Foundation. Awarded spring, 1999. Title: *An Analysis of Clean Technology Adoption in the Tanning Industry in Leon, Mexico*. (Parties: Resources for the Future (Washington, D.C.), The University of Guanajuato, School of Economics).
- Grant: (\$54,000). Source: Sistema de Investigación Miguel Hidalgo. Project: An Evaluation and Economic Analysis of "Microcredits Santa Fe." December, 1998. My role: principal investigator.
- Grants: (2@\$5000): Summer Research Grants, University of Mississippi. Summer 1996, 1997.