

Michael C. Farmer, Associate Professor
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Biographical Sketch

Dr. Farmer is an economist: Ph.D. Ohio State, 1993. Dr. Farmer's work emphasizes safety strategies in environmental issues that appear inefficient but can be reconciled to rational governance. Much of this work centers on programming solutions. Dr. Farmer has written on the Safe Minimum Standard, on problems of modeling complex systems and the policy factors that contribute to system stability. His current work centers on dynamic networks of researchers and policy actors to facilitate strategic coordination of public-private partnerships and location of strategic research initiatives.

Dr. Farmer's works have appeared in *Land Economics*, *European Planning Review*, *Policy Studies*, *Ecological Economics* and the *National Tax Journal* as well as *The Blackwell Handbook of Environmental and Resource Economics*.

With combined interests in computational dynamics and policy implementation, Dr. Farmer is one of several scholars seeking to bring together a sub-discipline in non-linear dynamics and political science to locate robust policy processes that are susceptible to fewer catastrophic failures, policies that align well with both policy intent and with ethical, democratic governance. Dr. Farmer maintains a special interest in deploying computational results to policy-maker and citizen group fora in a user-friendly form as a way to inform citizens and policy-makers but also as a way to facilitate productive policy and public value debate.

I. EARNED DEGREES

Ohio State University: Ph.D. (8/93) The Department of Agricultural Economics.
Major: Natural Resource Economics. Advisor: Dr. Alan Randall. GPA: 3.75

Ohio State University: M.S. (1983) The Department of Agricultural Economics.
Major: Community Development. Advisor: Dr. George Morse. GPA: 3.75

Xavier University: B.S. (1980) Summa Cum Laude. GPA: 3.89

II. EMPLOYMENT

Associate Professor: August 2005 to Present. Texas Tech University. Department of Agricultural and Applied Economics.

Research Associate: 2003 to August 2005. Georgia Institute of Technology. Institute of Paper Science and Technology / Center for Paper Business and Industry Studies.

Assistant Professor: August 1995 to 2003. Georgia Institute of Technology. School of Public Policy.

Visiting Associate Professor: August 1993 to August 1995. National Agricultural University of Norway. Dept. of Economics and Social Sciences.

Graduate Research Assistant: January 1987 to August 1993. Ohio State University. Dept. of Agricultural Economics.

Assistant Principal Investigator: July 1990 to December 1991. **U.S. Department of Justice. Valdez Damage Assessment. Responsible to Manage national citizen interview and survey of Crash Damage with Roper, Inc.**

Banking and Finance: June, 1984 to September, 1987. Commercial Credit VP, Real Estate Appraisal, Cash Management.

III. Doctoral Advisement: Last 3 years only

Cliff Lipscomb. Autumn 2000 – Present. Candidacy. May, 2002.

Joshua Reiss. 2nd Advisor. School of Physics. *New Tools to Evaluate Stochastic Time Series : non-linear dynamic tools.* **Defense, 7/24/01.** Georgia Institute of Technology.

George McMahon. Active 2nd Advisor. School of Civil Engineering. *Marginalization of Federal Hydro-Power.* **Defense, 6/13/01.** Georgia Institute of Technology.

IV. Peer Reviewed Published Book Chapters:

Farmer, M.C. & Randall, A. "Making Value Compromises in an Efficient Economy: Efficiency as value dialogue." in *Managing Forests for the Next Millennium* by United Forestry Policy Research Organization: European Union Scholarly Commission. Forthcoming 2003. 90% (percent of contribution attributed).

Randall, A. & Farmer, M.C. "Benefits, Costs and the Safe Minimum Standard of Conservation," in *The Handbook of Environmental Economics.* ed. Daniel Bromley. Blackwell Handbooks in Economics. Cambridge, MA . p. 26-44. 1995. 40%

V. Refereed Journal Publications:

Farmer, M.C. *ARe-Investing in the Built City: A Spatial Networks Approach,* @ **European Planning Studies.** Vol. 11. #1. January, 2003.

Farmer, M.C. "Getting the SMS to work in the real world: A Hydrologic Model as a Case Study in Moral Pragmatism ." **Ecological Economics.** August, 2001.

Farmer, M.C. and Kingsley, G. "Locating Critical Components of Human Capital in the

Rural Environment," **Policy Studies Journal**. August, 2001.

Berrens, B. McKee, M. and Farmer, M.C. "Implementing the SMS: Case management studies from the southwest," **Ecological Economics**, December, 1999.

Farmer, M.C. and Randall, A. "The Rationality of the Safe Minimum Standard," **Land Economics**. V.74, #3. August 1998.

Kingsley, G. and Farmer, M.C. "Using Technology Absorption as an evaluation criterion: Case Studies from a State Research and Development Program," **Policy Studies Journal**. V. 25, #3. Fall, 1997.

Farmer, M.C. and Randall, A. "Policies for Sustainability: Lessons from an Overlapping Generations Model," **Land Economics**. V.73, #4. November 1997.

Morse, G. and Farmer, M.C. . "Location Effects of a Tax Abatement Program," **National Tax Journal**. v.39 #2 p.229. 1986.

McMahon, G. and Farmer, M.C. "Micro-Economics Foundations of Policies and Guidelines for Water Reallocation: Misinterpretations of the Water Resources Act," **Water Resources Journal (forthcoming)**.

Kingsley, G. and Farmer, M.C. "Embedding a Hybrid: Social Capital and Accountability in the Creation of a Public Venture Capitalist," **Academy of Management Review**.

VII. IPST Projects:

An Environmental-Economic Assessment of Black Liquor Gasification: A Sloan Foundation Grant. \$219,000. Environmental Impact Statement (yr1), Non-Market Value (yr2&3) and Community development assessment (yr2&3) for entire program introducing new, cleaner, energy source in US Paper Industry installed in 120 sites over next two decades. Total potential energy output close to 1% of US total annual energy consumption. Sloan Foundation Grant. **PI.** 3 GRAs each year. 2 months 'Buy-Out' in years 2 and 3, commencing Fall, '03.