

RESUME

TERRY L. ROE

Dept. Of Applied Economics
University of Minnesota
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EDUCATION:

Ph.D., Agricultural Economics, Purdue University
MS Agricultural Economics, NDSU
BS Soil Science, NDSU
Visiting Fellow, Yale University, Economic Growth Center, Academic Year 1984-1985.
Visiting Scholar, ERS/USDA, Winter 2007

LANGUAGES:

English, Native
French FSI 3 (speaking, reading)

PROFESSIONAL EXPERIENCE

USDA/ERS (Stationed at the Univ. of Minn.): January 1969 to June 1971
University of Minnesota: July 1971 to present
July 1971 - July 1973; Assistant Professor (Resident in Tunisia)
July 1973 - July 1978; Associate Professor
July 1978 - Present; Professor
July 1979 - 2004; Adjunct Faculty, Humphrey Institute of Public Affairs
July 1986 – 2003; Adjunct Faculty, Hassan II Institute, Morocco
July 1998 – Present, Member of Macarthur Faculty Program, Univ. of Minn.

OTHER ASSIGNMENTS/POSITIONS HELD

Director - Originator (and, with others, lecturer) a six-week Agricultural Policy Seminar for planners and policy makers from LDCs. (funded by USAID/IBRD/FAO), 1982 to 1989
Co-Director (with Tim Kehoe in Economics) of the Economic Development Center, Department of Economics and Department of Applied Economics, July, 1985 to present

Program Leader for Development Assistance and Policy, Center for International Food and Agricultural Policy, Univ. of Minnesota, 1990 to 1994
Member, Management Team (one of three) for the Poland Project, 1991 - 1994
Member, Le Club d'Experts en E'conomie Agricole Internationale, Commissioned and supported by the Commissariat General du Plan, of the French Government, 1990-91
Associate Editor of the American Journal of Agricultural Economics, 1991 – 1994
Team Leader, Macroeconomic - Exhaustible Resource Linkage Team, Environmental and Natural Resource Policy and Training Project - MUICA/USAID, 1992 - 1995
Guest Editor of the *North American Journal of Economics and Finance*, Fall 1992 Issue.
Member of: Board of Counselors, Orville & Jane Freeman Center for International Economic Policy, March 1991 - 1992;
Director, Center for Political Economy, 1995 – 2005
Advisory Board, Center for Nations in Transition, 1995 -2006
Advisory Board, Korean Institute (1996)
Elected University Senator, one two year term (1994-1996)
President, International Agricultural Trade Research Consortium, elected fall 1994-1996
Guest Editor, *Journal of Food Policy*, Vol. 25, 2000
Member, National Academy of Science – National Resource Council: Subcommittee on Economic and Social Development in a Global Context, 1999-2002
U.S. Library of Congress: Invited presentations to newly elected members of the U.S. House of Representatives, 2000
Appointed: Scientific Liaison Officer, USAID/IFPRI, 2005 to 2007

CONSULTING (see Foreign Experience for Country Detail)

USAID/USDA - Trade Reform, Development
USAID - Price, Foreign Trade Policy, Various Countries
OICD/USDA - Food Policy, Central America
World Bank - Development Planning/Government Intervention/Water Pricing
McGraw Hill Book Company - Book Reviews
United Nations/FAO - Development Planning
US Food and Drug Administration-Economics of Information
Pillsbury, Minneapolis, MN - International Marketing
First Nat. Bank, Mpls., MN - International Debt - Country risk
Chemonics, International Div., Economic Development Policy
Ford Foundation, Cairo Office-Foreign Trade, Political Economy
Harvard Institute for International Development, Policy Reform and Rural Development (Bolivia) USAID
European Union, DG-VI; CEEC and European Integration
UN - Presidential Seminar, Aruba
Intern. Food Policy Research Inst.; Economic Growth, Inter. trade and the WTO, Food Demand, Kuwait: economic adjustment
Canada - Saskatchewan Agri-Food Innovation Fund (Ag. Canada)

U.S. International Trade Commission—GATT and WTO
AIRD/USAID, Growth and poverty
Institut Francais des Relations Internationales, Paris, France : WTO

SELECTED COMMITTEE ASSIGNMENTS

Member, Univ. Senate Committee on Finance & Planning, July 1997 –present
Member, Univ. Senate Committee on Faculty Consultative, 2005-2006
Member, Univ. President’s Metrics and Measurement Task Force, 2005-2007
Co-Chair, College of Agriculture Faculty Consultative Committee, (2005—2006)
Member of Univ. President Bruininks’ Administrative Strategic Planning Task Force,
2005
Member, Graduate School Research Advisory Committee, July 1997 -2002
Graduate Committee, Applied Economics, various years
Graduate Program Review Committee (Chair)
Departmental Priorities Committee (Chair)
External Review of Political Science Dept. (Chair)
Search Committees:
Assistant Graduate School Dean (Chair)
Regional and International Trade, (Chair)
Political Economy, CLA
Orville & Jane Freeman Center for International Economic Policy, Public Affairs
(Co-chair)
Member, Inter. Ag. Trade Research Consortium task force on GATT
Committee to establish a Graduate Minor in Political Economy (Chair)

TEACHING

Ph.D Level Courses

8991 Applied Dynamic General Equilibrium Modeling, 2005-2008
8901 Seminar, Research Methodology, 2009 - 2010
8990 Applied General Equilibrium Modeling, 1995, with E. Yeldan
8660 Pol. Science: Topics in Comparative Politics, 1994 with R. Holt
8220 Applied Mathematical Programming; initiated, 1976 to 1981
8245 Marketing/Price Economics; 1976 - 1990
8701 Economic Development, Growth and Trade 1985 to present
8345 Marketing/Price Economics Grad Seminar; 1979 to 2000
8378 Development Seminar; 1980 to present
8410 (HHH Institute of Public Affairs) Agricultural Development
Planning; 1979 to 1984

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8310 Topics in Development Studies and Social Change: “Strategic Issues Affecting the Wealth of Nations: An economic perspective”; 2006

Master of Science Level Course

5152 Applied Macro Economics, Spring semester, 2000-current

Undergraduate Course

3007: Applied Macroeconomics; Growth, Trade and Policy

GRADUATES AWARDED DEGREES; MAJOR PROFESSOR

M.S.; twenty

Ph.D.; Fifty-one

- S. Wisniewski, Health and Economic Development: A Macroeconomic and Microeconomic Perspective, August 2008 (Co-advisor Paul Glewwe)
- A. L. R. Barrutieta, Essays on Debt Relief for Low Income Countries, July 2008.
- C. Ng, A Differential Game Model of Regional Arms Race and Impact of Foreign Assistance on Arms Accumulation, April 2008
- K. Kim, What Could Have Been Done and What Has Been Done: The Impact of Point Resource Abundance on Economic Performance in Nigeria, August 2005
- X. Fang, Water Shortages, Water Allocation and Economic Growth: The Case of China, August 2004 (Co-advisor Rodney Smith)
- A. Chinprateep, The Role of the Agricultural Sector in the Development of the Thai Economy: Implications of Economic Fluctuations (A Four-Sector Dynamic Model Analysis with Government Intervention), August 2004
- T. Khitarshvili, Creation and Expansion of Firms, Human Capital and Economic Growth in Transition Countries, August 2003
- D. Sirin Saracoglu, Transition Dynamics and Developing Countries: A Two-Part Essay on the Informal Sector, and Rural-Urban Migration in the Process of Economic Growth, August 2003

- T. Nurmagambetov, Capital Market Segmentation in Transition Economics: A Dynamic General Equilibrium Approach, August 2002
- A. Moledina, Exploring the Transmission of International and Domestic Economic Shocks on U.S. Agriculture, August 2002
- B. Gaitan, The Evolution of Household and Market Production in Growth and Development, August 2001
- X. Irz, The Contribution of Agriculture to Economic Growth: A Dynamic General Equilibrium Inquiry, April 2000
- Pei-Chein Lin, The Contribution of Technological Progress to Aggregate and Sectoral Production: A Case Study of the Taiwanese Economy Feb. 2000
- U. Housner, Structural Adjustment, Agricultural Performance and Income Distribution in Zambia: A Computable General Equilibrium Analysis, Jan. 2000
- J. Martin Valdivia, Asymmetric Information and Credit Markets in Peruvian Rural Economies, Oct. 1999
- S. Khakimzhanov, Sustainability of Trade Reforms, Sept. 1999
- A. Gonzalez-Estrada, A Dynamic General Equilibrium Model of Mexico: Macroeconomic Dynamics Under NAFTA, 1999
- R. Doukkali, Economic Analysis of the Second Stage of Structural Adjustment in Morocco: Gains From First and Second Best Policy Instruments, 1997
- E. Elbasha, Three Essays on Endogenous Growth and the Environment, 1996.
- X. Diao, Environment, Welfare and Gains from Trade: A North-South Model in General Equilibrium, 1995
- G. Munisamy, General Equilibrium Analysis of Supply and Factor Returns in US Agriculture, 1949-91, 1995
- H. Kim, Foreign Imports and Firms' Dynamic Adjustment: The Case Of The U.S. Beef Industry, 1995
- T. Temel, Endogenous Technological Change via Industry Lobbying in a Two-Sector Overlapping Generations Model, February, 1995.

- A. Freeman, Government Policies and the Environment: A Household Level Analysis in the Northern Guinea Savanna Zone of West Africa, January, 1994.
- J. Kim, Environmental Accounting in a Social Accounting Matrix Framework: The Case of Mexico, December, 1993.
- F. Li, Political Competition, Institutional Arrangements and Long-Run Economic Growth, October 1993.
- K. Govindan, Technological Change and Trade Patterns: An Econometric Analysis of the Indonesian Economy, August, 1993
- B. Ndisale, The Impact of Structural Adjustment Policies on Rural Households in Malawi, July, 1991.
- M. Yoo, Application of a Linear-Quadratic Regulator Optimal Control Problem for Beef Cattle Operators and Its Implications, June, 1990
- Hermanto, Demand for Inputs and the Supply of Rice Under Risk and Selectivity Bias: A Study of Indonesian Farmers, July 1990
- H. Kim, Information in the Terms Structure of Commodity Specific Interest Rates in the Chicago Wheat Futures Market, Oct. 1990
- M. Johnson, Agricultural Policies as Nash Equilibria, Oct. 1990
- J. Coggins, On the Existence and Optimality of Equilibria in Lobbying Economics, July 1989
- D. Greene, The Impact of Economic Policies on the Agricultural Sector & Food Consumption in the Dominican Republic: A Multimarket Analysis, June 1989.
- B. Ramaswami, Incompleteness in Insurance: An Analysis of Crop Insurance Schemes, Sept. 1989
- A. Driouchi, Government Intervention in the Moroccan Cereals Sector, Aug., 1988
- E. Yeldan, Turkish Economy in Transition: A General Equilibrium Analysis of the Export-Led Versus Domestic Demand-Led Strategies of Development, Aug. 1987
- T. Yen, Stagewise Estimation of Complete Demand Systems with Limited Dependent Variables: An Analysis of Dominican Household Consumption, December 1986

- D. Lui, The Willingness to Pay for a Better Forecasting Technique: An Evaluation in a Dynamic Setting with Cost and Futures Marketing Activities, July 1985
- R. Sexton, The Formation of Cooperatives: An Analysis of Entry Incentives, Entry Deterrence. Optimal Financing Arrangements on Stability Requirements, 1984
- P. Riethmuller, Government Intervention in Commodity Markets: The Case of Japanese Rice and Wheat Markets, 1984
- R. Hill, An Econometric Analysis of Rice Production in the Dominican Republic, 1983
- F. Linse, The Demand for Wheat Placed on Government Loan: An Econometric Analysis, 1983
- R. Todd, An Equilibrium Model of Seasonal and Cyclical Fluctuations in the Corn-Soybean-Hog Sector, 1983 (Co-advisor with Tom Sargent)
- H. Amamou, Imperfect Knowledge, Risk and Efficiency: Wheat Production in Northern Tunisia, 1983
- C. A. Rasahan, Government Intervention in Food Grain Markets: An Econometric Study of the Indonesian Rice Economy, 1983
- C. Hodges, Low Income Countries and the World Wheat Trade, 1983
- F. Antonovitz, The Value of Information and Allocative Error Under Risk in Fat Cattle Production: The Role of Cash and Futures Markets, 1982
- S. Lee, Effects of Agricultural Policy on Efficiency, Growth and Equity in the Taiwanese Rice Economy: A Cross-Sectional Time-Series Analysis, 1982
- S. Tubpun, Risk, Allocative Error and the Value of Perfect Information Among Thai Rice Farmers, 1981
- D. Nygaard, Risk, and Allocative Errors Due to Imperfect Information: The Impact of Wheat Technology in Tunisia, 1979

FOREIGN EXPERIENCE: Selected countries; Associated with research activities (alphabetical order)

- *Aruba*, Economic Summit: A Perspective on Econ. Transition in Aruba, April, 1996
- *Bolivia*, January 1994, Policy Reform and Rural Development.
- *Canada*, Saskatchewan provincial government, Agriculture Research Resources, 1997
- *Dominican Republic*, July 1981, Jan. 1982, Food Policy Project.
- *Ecuador*, Winter 1988, To work with colleague on research in area of political economy of ag. price policy.
- *Egypt*, Feb., 1976, Sector Analysis-FAO; June 1982, Price and Food Policy, USAID; March 1989 Ford Foundation, Foreign Trade, Food Policy, Political Economy of Policy Reform; Feb., 1990, Political Economy of Egyptian Agricultural Policy, Duke Univ/Ford Foundation project, June - July 1991 Middle East Agricultural Policy, Ford Foundation.
- *France*, 1990 to 1997 (one month/year); Negotiations Under GATT as a Political Economy Game, USDA-ERS and INRA/ENSA project, and approximately 15 hours lectures to students and faculty, INRA/ENSA funded.
- *Guatemala*, Jan. 1979; Review of Empirical Planning Models for Central American Common Market.
- *Haiti*, Dec. 1977; Analysis of the Haitian Agricultural Marketing System and Constraints to Economic Growth, USAID
- *Honduras*, Oct. 1981, Food Policy Project, USAID/OICD.
- *Malaysia*, Sept.-Oct., 1976; In-country research and data collection activities for a MUCIA funded research project.
- *Mexico*, Nov. 2004; Assessment of water scarcity and economic growth, IBRD
- *Morocco*, Oct. 1978; Assessment of the Socio-economic Impact of the Moulouya Irrigation Project, 1984-2007 numerous visits associated with the Univ. of Minn./Morocco project, and EPAT project/IBRD Water Pricing Project (1998-2003), annual Policy workshop/conferences (2004-2006)
- *Pakistan*, Winter 1987, Participate in Agricultural Research Policy seminar.
- *Panama*, Spring, Fall, 1984, Price Policy and Trade.
- *Peoples Republic of China*, Fall 1987, Member of Univ. of Minn. team invited by the Economic System Reform Institute to explore/establish a cooperative agreement between the Institute and the University; May, 2000, Hangzhou (teaching), Beijing (seminar, workshop)
- *Peru*, October 1982, Agricultural Sector Planning and Food Policy.
- *Poland*, On going annual trips 1990-2003: September 1990, Participated in Conference on East European Agriculture, October 1991, and May, 1992, Training in area of Economics; June 1994 Two day seminar on policy reform and the environment; June, 1995 and again in 1998 Implications of EU enlargement to the CEEC countries, Warsaw School of Economics, USAID project, Feb. 2000, Teaching
- *Russia*, 2000, Invited to participate in Duma Assembly
- *South Africa*, 2003-2006, Workshop at the Free State; 2004, Conference paper HIV/AIDs, 2005 Institution building, 2006 Research on water and poverty
- *Taiwan*, 2001, 2002, Economic Growth and Trade
- *Tanzania*, Dec. 1980; Planning project, USAID.
- *Turkey*, July 1997, 2003, 2007-2009; Bilkent University, Ankara, Istanbul – IBRD project

- *Tunisia*. Resident, July 1972-August 1974; University of Minnesota USAID project. From, 1974 to 1978, approximately 7 weeks per year in country assisting; 1978 to 1980; approximately 3 weeks/year in country in support of Tunisian Agricultural College; July 1993, Ford Foundation support for studies of policy reform.
- *Uganda*, August 1991, Mweya II Presidential Economic Policy Workshop, by invitation of the President of Uganda (joint with Ed Schuh).

RESEARCH ACTIVITIES & SOURCES OF FUNDING

Principal Investigator, USAID--University of Minnesota Contract (\$100,000). Adoption of new techniques and practices under risk, and sector modeling (Tunisia), 1976-1979.

Principal Investigator, MUCIA grant (\$20,000): The importance of value added and marketing in export performance; (Malaysia), 1976-1977.

Principal Investigator, AID Contract (\$8,000). Subsector assessment of the Haitian agricultural marketing system and policy alternatives, winter 1978.

Co-Principal Investigator, USAID-Government of Morocco-University of Minnesota Contract (\$290,000). Production, productivity, income distribution and the ex post social profitability of the Moulouya irrigation project, October 1978 - October 1979.

Co-Principal Investigator, USAID/Peru (\$24,000) "Agricultural Sector Planning." 1980-1982.

Principal Investigator, Title XII Food Grain Project (\$25,000); "An Analysis of the Welfare Effects of Currency Exchange Rate and Trade Policy on the Production and Consumption of Basic Food Grains on the Part of LDCs," Sept. 31, 1980 - October 1981.

Principal Investigator, Ford Foundation (\$6,800). "Behavioral and Technical Factors Affecting the Adoption and Use of Chemical, Biological and Mechanical Inputs by Subsistence Farmers in Northern Tunisia," October 1981 - October 1982.

Principal Investigator, MUCIA grant (\$20,000) "Economic Behavior of the Subsistence Farm-Household Complex in Tunisia," Sept. 1981 - June, 1982.

Principal Investigator, Title XII project (\$15,000). The social profitability of new wheat varieties grown under dry land conditions in North Africa, Sept. 1982 - October 1983.

Principal Investigator, World Bank (\$54,000). "A Comparative Study of the Political Economy of Agricultural Pricing Policies, Dominican Republic: June 1985 - June 88.

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Principal Investigator, USDA Cooperative Agreement (\$89,625) Study of Government Market Intervention in LDC's, Uruguay Round of the GATT and US - EC Trade Compromises, Sept. 1989 to March 1993.

Principal Investigator, Duke Univ./Ford Foundation (\$20,000). "Political Economy of Policy Reform," (Egypt) Jan. 1990 - March 1991.

Proposal contributor, and member of the management team (Public Affairs, Management, Ag. & Applied Econ.), Management Training and Economics Education for Central & Eastern Europe. (\$2.6 Million -USAID/Univ. of Minn. project) 1991 - 1993/94.

Principal Investigator: Rockefeller Foundation: Agricultural Intensification in Semi-Subsistence Agriculture (\$26,000), Sept. 1991 - Spring, 1993.

Principal Investigator:, Five year MUCIA\USAID project: Environmental and Natural Resource Policy and Training (EPAT). I am leader of five person Macroeconomic Policy and Environment Team. Team budget \$125,000 per year (Plus Set-A-Side proposals totaling \$22,000 for case studies in Morocco and Turkey, \$25,000 with Resources for the Future, \$18,000 for D. Ervin, Oregon. State, \$9,000 for IATRC); Jan. 1992 - December, 1995

Principal Investigator; National Resource Initiative Grant, "International Competitiveness of US Agriculture," \$140,000, Oct. 1993 - Oct. 1995.

Ford Foundation Grant (\$33,000) to support the Economic Development Center seminar series with the Dept. of Economics, Oct. 1993 - Oct. 1995.

Co-Principal Investigator; National Resource Initiative Grant, "Political Economy of the 1995 Farm Bill," \$28,000 Oct. 1994 - Oct. 1996

Principal Investigator; Cooperative Agreement "Rationalizing the UN Trade Data Base" \$25,000, Oct 1., 1994 - Oct. 1, 1995.

Principal Investigator; Cooperative Agreement with USDA/ERS No. 43-3AEK-5-8 "Emerging Trade Patterns and Agreements: What They Mean for the United States," \$565,000 Oct. 1, 1995 - Oct 1, 1997; Cooperative Agreement with USDA/ERS "The Future of Asia's Agriculture: \$364,519, Oct. 1, 1995 - Oct 1, 1997

Director, Center for Political Economy: Univ. Of Minn. Grad. School, \$50,000, 1997-1998.

Principal Investigator, U.S. and World Agricultural Markets in a More Integrated World: A Dynamic Global Analysis, (with X. Diao), USDA/ERS, \$160,000/YR, 1997-2001

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Cargill, \$20,000 to support IATRC conference on food security, Washington D.C., June, 26-27, 1998.

Principal Investigator, National Research Initiative Competitive Grant: The Competitiveness of US Agriculture in World Markets, \$78,000, Oct. 1, 1998 to Sept. 31, 2000.

Principal Investigator, U.S. and World Agricultural Markets in a More Integrated World: A Dynamic Global Analysis, (with S. Pryor), USDA/ERS, \$40,000/YR, 2001-2002

Co-principal Investigator, IBRD project: Guidelines for Pricing Irrigation Water Based on Efficiency, Implementation Cost and Equity Consideration \$55,000, 1999-2002

Principal Investigator, IBRD project, Macro-Micro Linkages of Irrigation Water Management, Oct. 2002 – Dec. 2005, \$125,000

Principal Investigator, Effects of Exchange Rate on U.S. Agricultural Competitiveness, Oct. 2002 Dec. 2003, \$25,000 USDA/ERS

Principal Investigator, Expansion of Modern Retail Food Marketing in Emerging Market Economies, Oct. 2004 - Dec. 2005, \$12,000; USDA/ERS

Principal Investigator, Exchange Rate Adjustments and Trade, Oct. 2005-07, \$25,000; USDA/ERS

Co-Principal Investigator (with M. Burfisher) , Distributional Analysis of U.S. Farms Programs, Oct. 2005-06; \$25,000 USDA/ERS

Principal Investigator: IFPRI “Modeling Economic Growth and Income Distribution in Ghana”, \$19,500 2007-08

Principal Investigator, Human Capital Development to Advance Agricultural Trade Policy and Competitiveness, 2006-2011, \$252,000, USDA COOP ST RES ED and Extensions SVC (CSREES)

Principal Investigator, Brazilian Economic Growth and Links to Biofuel Production, 2008-09- \$35,000, USDA/ERS

PUBLICATIONS: Articles and Other Refereed Papers

Shane, M., T. Roe, and A. Somwaru, (2008) Exchange Rates, Foreign Income, and U.S. Agricultural Exports, *Agricultural and Resource Economics Review*, 37/2, Oct.:1-16

Wheatley, W. Parker and Terry L. Roe (2008) The Effects of the Internet on U.S. Bilateral

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Agricultural Trade, *Journal of International Agricultural Trade and Development*, Vol. 4(2):1-23

Cheminguie, M. A., and T. Roe (2008) Petroleum Revenues in Gulf Cooperation Council, Countries and their Labor Market Paradox, *Journal of Policy Modeling*, 30:491-503.

Li, N. and T. Roe (2008) Taiwanese Outward Investment: Economic Bane or Boon? *Taiwan Economic Forecast and Policy*, Vol. 38(2), March:75-107

Diao, X., A. Dinar, T. Roe and Y. Tsur (2008) A General Equilibrium Analysis of Conjunctive Ground and Surface Water Use with an Application to Morocco, *Agricultural Economics* 38:1-19.

Roe, T and R. Smith (2008). Disease Dynamics and Economic Growth, *Journal of Policy Modeling*, 30:145-168.

Bolling, C., M. Shane and T. Roe (2007) Exchange rates and U.S. FDI in the Global Processed Food Industry, *Agricultural and Resource Economics*, 36/2 October:1-9.

Roe, T (2007) International trade as a source of economic growth, trade barriers and institutions, *International Journal of Agricultural Resource Conservation and Ecology*, v. 6 No2: 277-321, January

Roe, T, A. Somwaru, and X. Diao (2006) Globalization: Welfare Distribution and Costs Among Developed and Developing Countries, *Review of Agricultural Economics*, Vol. 28 (3): 399-407

Roe, T. A. Dinar, Y. Tsur, and X. Diao (2005) Feedback links between economy-wide and farm-level policies: With application to irrigation water management in Morocco, *Journal of Policy Modeling*, 23: Nov.:905-928.

Irz, X and T. Roe (2005) Seeds of growth? Agricultural Productivity and the Transitional Dynamics of the Ramsey Model, *European Review of Agricultural Economics*, Vol. 32 (2):143-165

Diao, X., T. Roe and R. Doukkali (2005) Economy-wide gains from decentralized water allocation in a spatially heterogeneous agricultural economy, *Journal of Environmental and Development Economics*, Vol. 10 Part 3 June:249-269.

Roe, T. (2004) Markets, Trade and the Role of Institutions in African Development, *South African Journal of Economics and Management Science*, Vol 7, No. 4 Dec.:664-672.

- Tsur, Y., A. Dinar, R. Doukkali and T. Roe (2004) Irrigation Water Policy: Policy Implications Based on International Comparison,” *Journal of Environmental and Development Economics*, Vol. 9 – Issue 06 – Decemeber:729-734.
- Roe, T and X. Diao. (2004) Capital Accumulation and Economic Growth: The Case of the Retail Food Industry in Developing Countries, *American Journal of Agricultural Economics*, Vol. 86, No 3, August, pp.788-794 (Proceedings Issue)
- Ramaswami, B., and T. Roe (2004) Aggregation in Area-Yield Crop Insurance: The Linear Additive Model, *American Journal of Agricultural Economics*, Vol. 86, No 2, May, pp. 420-431
- Diao, X, and Roe, T. (2003) Can a Water Market Avert the “Double Whammy” of Trade Reform and Lead to a “Win-Win” Outcome?, *Journal of Environmental Economics and Management*, 45:708-723
- Mohtadi, H. and Roe, T. (2003). Democracy, Rent Seeking, Public Spending and Growth. *Journal of Public Economics*, 87:445-466
- Johansson, R.C., Tsur, Y., Roe T., Doukkali, R., and Dinar, A. (2002) Pricing Irrigation Water: A Review of Theory and Practice, *Water Policy*, Vol. 4, No. 2, pp. 173-199.
- Diao, X., Roe, T., and Somwaru, A. (2002) Developing Country Interests in Agricultural Reforms Under the World Trade Organization. *American Journal of Agricultural Economics*, Vol. 84, No. 3, August 2002, pp. 782-790.
- Diao, X., Roe, T., and Somwaru, A. (Jan. 2001) What Is The Cause of Growth in Regional Trade: Trade Liberalization or RTAs? The Case of Agriculture, *The World Economy*, Vol. 24, No. 1, p. 51-79.
- Roe, T. and Mohtadi, H. (2001) International Trade and Growth: An Overview Using the New Growth Theory. *Review of Agricultural Economics*, Vol. 23, No. 2, pp.423-440.
- Diao, X., Roe, T. and Others (2001) The Road Ahead: Agricultural Policy Reform in the WTO: Summary Report. Mary Burfisher, ed. *Agricultural Economic Report 797*, U.S. Department of Agriculture, Economic Research Service, Washington DC.
- Roe, T.L., Diao, X. (2000) Water, Externality and Strategic Interdependence: A General Equilibrium Analysis, *Journal of International Development*, Vol. 12 pp. 149-167.
- Irz, X and Roe, T. (Dec. 2000) Can the World Feed Itself: Some Insights From Growth Theory”. *Agrekon*, Vol. 39, No. 3, p. 513-527.

- Shane, M. Teigen, L., Gehlhar, M. Roe, T. (2000) Economic Growth and World food Insecurity: A Parametric Approach. *Food Policy*, Vol. 25, pp. 297-315
- Diao, X., Roe, T. (Aug. 2000) How the Financial Crisis Affected World Agriculture: A General Equilibrium Perspective. *American Journal of Agricultural Economics*, Vol. 82, pp. 688-694
- Gopinath, M., and Roe, T. (2000) R & D Spillovers: Evidence From U.S. Food Processing, Farm Machinery and Agricultural Sectors. *Journal of Economics of Innovation and New Technology*, Vol. 9, pp. 223-243
- Roe, T. and Diao, X. (2000) Water, Externality and Strategic Interdependence: A General Equilibrium Analysis. *Journal of International Development*, vol. 12, pp:149-167
- Gopinath, M. and Roe, T. (1999) Modeling Inter-Sectoral Growth Linkages: An Application to U.S. Agriculture. *Agricultural Economics*, vol. 21, pp:131-144
- Diao, X., Roe, T., and Yeldan, E. (1999) Strategic Policies and Growth: An Applied Model of R&D-Driven Endogenous Growth. *Journal of Development Economics*, vol. 60, pp: 343-380
- Diao, X., Roe, T., and Yeldan, E. (March 1999) How Fiscal Mismanagement May Impede Trade Reform: Lessons From An Inter-Temporal, Multi-sector General Equilibrium Model For Turkey. *The Developing Economies*, Vol 37, No 1
- Roe, T., Diao, X. and Somwaru (1999) Which Came First: Growth in Trade or Trade Arrangements. *Minn. Ag Econ.*, No. 696
- Diao, X., Roe, T., and Yeldan E. (1998) Fiscal Debt Management, Accumulation and Transitional Dynamics in a CGE Model for Turkey. *Canadian Journal of Development Studies*, Vol. XIX, No. 2
- Roe, T. and Gopinath, M. (Winter, 1998) The “Miracle” of U.S. Agriculture. *Minn. Ag Econ.*, No. 691, pp:1-4
- Mohtadi, H., and Roe, T. (1998) Growth, Lobbying and Public Goods. *European Journal of Political Economy*, v. 14, 453-473.
- Diao, X., Roe, T., and Yeldan, E. (June 1998) A Simple Dynamic Applied General Equilibrium Model of a Small Open Economy: Transitional Dynamics and Trade Policy. *Journal of Economic Development*, v.23, no.1.

- Temel, T. and Roe, T. (1998). On Institutions and Endogenous Technological change. *METU Studies in Development*, 25(4), 649-662.
- Diao, X., Roe, T., and Yeldan, E. (1998) An Endogenous Growth CGE Model of the Japanese Economy: The Implications of Trade Policy and R&D Promoting Policy. *METU Studies in Development*, vol. 24 (1), 13-46.
- Shane, M., Roe, T., and Gopinath, M. (1998) U.S. Agricultural Growth and Productivity: An Economy-wide Perspective. *Agricultural Economic Report*, No. 758, USDA/ERS.
- Freeman, J., Roe, T., and Smith J. (1997) The Effects of Policies on Farming Households' Decisions: Economic Evidence and Environmental Implications in Northern Nigeria. *Environment and Development Economics* 2, 307-321.
- Diao, X., and Roe, T. (June 1997) Embodied Pollution and Trade: A Two-Country General Equilibrium Model. *Journal of Economic Development*, 22(1).
- Shane, M., Roe, T., Teigen, and Gopinath, M. (Nov. 1997) World Food Insecurity: A Policy Dilemma. in *Food Security Assessment: Situation and Outlook Series*, USDA/ERS, GFA-9, Nov., 25-29.
- Gopinath, M., and Roe, T. (Sept. 1997) Sources of Sector Growth in an Economy Wide Context: The Case of U.S. Agriculture. *Journal of Productivity Analysis*, 8(3), 293-310.
- Arnade, C., Gopinath, M., Roe, T., and Shane, M. (1997) Agricultural Competitiveness: The Case of the US and Major EU Countries. *Agricultural Economics*, Vol. 16(2): 99-109.
- Yeldan, E., and Roe, T. (1996) How the Doctor's Prescriptions May Fail: Environmental Policy Under Alternative Market Structures. *METU Studies in Development*, 23(4) 577-600.
- Kennedy, L., von Witzke, H., and Roe, T. (1996) Multilateral Agricultural Trade Negotiations: A Non-Cooperative and Cooperative Game Approach. *European Review of Agricultural Economics*, 23, 381-399.
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- Roe, T.L. and Schamper, J. (1976) Plan for interacting the Tunisian Agricultural Sector Model into the Tunisian Planning Process, Direction du Plan, des Analyses Economiques et de l'Evaluation des Projets, Ministere de l'Agriculture, Tunis, Tunisia, May 15, 1976, 30 pp.
- Roe, T.L. (Nov. 1975) An Empirical Method for the Economic Analysis of the Tunisian Agricultural Sector, Direction du Plan, des Analyses Economiques et de l'Evaluation des Projets, Ministere de l'Agriculture, Tunis, Tunisia, pp. 25.
- Roe, T.L. (June 1975) Issues Involved in the Economics of Minimum Wage Legislation for the Tunisian Agricultural Sector, Direction du Plan, des Analyses Economiques et de l'Evaluation des Projets, Ministere de l'Agriculture, Tunis, Tunisia, pp. 28.

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Roe, T.L. (June 1974) A Tunisian Agricultural Sector Model: Initial Version, Direction du Plan, des Analyses Economiques et de l'Evaluation des Projets, Ministere de l'Agriculture, Tunis, Tunisia, pp. 70.

Roe, T.L. (July 1974) The Tunisian Agricultural Sector: A Descriptive Study to Supplement the Construction of a Sector Model, Direction du Plan, des Analyses l'Agriculture, Tunis, Tunisia, pp. 50.

Roe, T.L. (May 1974) Sector Analysis: Objectives and Constraints to Framework Design. Direction du Plan, des Analyses Economiques et de l'Evaluation des Projets, Ministere de l'Agriculture, Tunisia, Tunisia, May, pp. 42.

SELECTED SEMINARS 1990-2009

Water policy assessment in a computable general equilibrium setting: Morocco, Mexico, Turkey, South Africa, Invited presentation at World Bank Water Week Session 26, Modeling Tools for Agricultural Water Management, Washington, February 18, 2009

Understanding the direct and indirect effects of water policy for better policy decision making: an application to irrigation water management in Morocco. Invited: PowerPoint presentation at University of Pretoria, South Africa, September 25-27, 2006,

CGE analysis of distributional effects of policies for revealing government preference functions, discussion. Invited: PowerPoint presentation at The Political Economy of Ag. Price, Trade and Public Expenditure Policies, IBRD, Washington,

DOHA Round: Agricultural Trade Liberalization, Seminar presented to the Department's Round Table Talk, Jan. 23, 2003

Growth Theory, and Growth Convergence in U.S. Agriculture, Seminar presented in the Dept. of Ag. Economics, Purdue Univ., Fall 1999

Water market Reform: An Intertemporal Economy-Wide Analysis of the Moroccan Case, Presented to the Department of Applied Econ., Spring, 1998.

Are Low Income Countries Facing an Impending Food Crises?, HHH Inst. Of Public Affairs, Winter 1997

A Dynamic CGE Model: An Application of R&D-Based Endogenous Growth Theory, presented at Department of Economics, VPI, Blacksberg VA, June 1996

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Food Security and Food Aid, USDA\ERS, Washington, DC. Fall 1996

Is Economic Growth Good for the Environment?, with R. Holt, HHH Inst. Of Public Affairs, Spring, 1996

Sources of Growth in US Agriculture: A General Equilibrium Perspective, USDA/ERS Aug., 1995

EU Enlargement: Implications to Poland, Round Table Sponsored by the Warsaw School of Economics, June, 1995

Macro Economic Policy, and Policy Reform: Environmental Impacts on Health, Amenities and Resource Degradation, Poland, Oct. 1994,

A six lecture series (about 18 hours) on Economic Development: What We Have Learned From Experiences of the Last Two Decades, ENSA, Renne France, Nov, 1992/95

A five lecture series (about 15 hours) on International Trade, Economic Development and Political Economy, ENSA, Renne France, May, 1992.

Foreign Trade and Interest Groups, Department of Agricultural and Resource Economics, Univ. of Maryland, May, 1992.

I. W. Arthur Memorial Lecture, The Political Economy of Structural Adjustment and Policy Reform: An Interest Group Perspective, Department of Economics, Iowa State Univ., Feb. 18, 1992.

Structural Adjustment, Stabilization and Economic Growth, USDA/ERS lecture series, Sept. 19, and 20, 1992.

The Direct and Indirect Effects of Trade Distortions on Agriculture, Ford Foundation, Cairo Egypt, June 26-29, 1991.

Political Economy: Attempts to Model the Formation of Economic Policy, H.H.H. Inst. of Public Affairs, University of Minnesota, April 19, 1991.

The Political Economy of Structural Adjustment and Stabilization: The Case of Egypt, Dept. of Econ., Duke University, January 25, 1991.

Political Economy of Endogenous Growth, Seminar presented to the Dept. of Econ., University of Minnesota, Feb. 15, 1991.

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The Political Economy of Economic Development, Seminar presented to the faculty and students at the National Superior School of Agronomic Studies, Rennes, France, Jan. 13, 1990.

The Specification and Policy Implications of Policy Goal Functions, Seminar presented to the Department of Agricultural Economics, Michigan State University, Feb. 8, 1990.

The Politics of Growth and Development, Seminar presented at the Department of Agricultural Economics, University of Wisconsin, Madison, WI, Oct. 19, 1989.

A General Equilibrium Model of Competition Among Rent Seeking Groups, Seminar presented to the Department of Economics, University of Wisconsin, Milwaukee, WI, Oct. 20, 1989.

Some Economic Implications of an Expanding Global Economy, Seminar presented to the Board of the Northwest Area Foundation, June 22, 1989.

PROFESSIONAL HONORS (1980 – 2009)

Ph.D Thesis of D. Nygaard: American Agricultural Economics Association's Outstanding Thesis Award for 1980; major professor.

Ph.D Thesis of F. A. Antonovitz: American Agricultural Economics Association's Outstanding Thesis Award for 1982; major professor.

Ph.D Thesis of R. Todd: American Agricultural Economics Association's award of Honorable Mention in Competition for the Outstanding Thesis Award for 1983; major professor.

Ph.D. Thesis of R. Sexton: Winner of the Edwin Nourse Award in 1985, awarded by the American Institute of Cooperation: major professor.

Ph.D Thesis of J. Coggins, Winner of the Department of Agricultural and Applied Economic's Harald Jensen Award for outstanding Ph.D thesis, 1989

Ph.D Thesis of G. Munisamy: Winner of the Department of Agricultural and Applied Economic's Harald Jensen Award for outstanding Ph.D thesis, 1995

Ph.D Thesis of E. Elbasha: Winner of the Department of Agricultural and Applied Economic's Harald Jensen Award for outstanding Ph.D thesis, 1996

AAEA Award for Professional Excellence, Quality of Communications, 1997

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Agricultural Trade and The Environment: Discovering and Measuring the Critical Linkages, with M. Bredahl, N. Ballenger, J. Dunmore

AAEA Award for Professional Excellence, Quality of Communications, 2000
Policy Reform in American Agriculture: Analysis and Prognosis, Chicago Univ. Press, with D. Orden, and R. Paarlberg

X. Fang, (T. Roe & R. Smith, co-advisors) Recipient of the 2005 University Council on Water Resources Dissertation Award.

Centers for Disease Control and Prevention; *Certificate of Appreciation* for dedication and commitment to the Prevention Effectiveness Fellowship Program, 2007

Recipient the University of Minnesota's 2008-09 Award for *Outstanding Contributions to Post Baccalaureate, Graduate, and Professional Education*, bestowing the title of *Distinguished Professor*

Terry L. Roe, American economics professor. Achievements include research in economic growth, foreign trade. Member of Allied Social Science Association. Terry L. Roe, American economics professor. Achievements include research in economic growth, foreign trade. Member of Allied Social Science Association. Terry L. Roe has written: 'Feedback links between economy-wide and farm-level policies' -- subject(s): Agriculture and state, Irrigation, Management, Water-supply. Related Questions. Asked in Authors, Poets, and Playwrights. What has the author L B Roe written? L. B. Roe has written: 'Shaft EMF's and bearing currents in rotary machines'. Asked in Authors, Poets, and Playwrights. What has the author Terry L Gibson written? Terry L Roe. 14343 Denver Rd, Omaha, AR 72662. Categories:Poultry Farms & Services. Phone:(870) 426-5149. Business Background Report. Terry L Shipman Sr. 8823 Highway 141 N, Jonesboro, AR 72401. Members (2):Terry L. Suite (President, Treasurer, Director, Vice President, inactive) Joshua L. Bowen (Secretary, inactive). Agent:Spiegel & Utrera, Pa. Business Background Report. Terry L Treece. 4300 W 7Th St, Little Rock, AR 72205. Categories:Nurse Practitioners. Phone:(501) 257-1000. Terry L. Roe. MAcc, CPA/PFS, CFP®. P: 208-522-6400 Email Terry. Terry is a candid, personable advisor that people count on for straightforward and thoughtful guidance. He specializes in creating investment strategies for people who need, want, and are ready to act on financial advice. His recommendations are based on years of experience, sound methodologies, and careful consideration of each person's unique circumstances. Join Facebook to connect with Terry Lee Roe and others you may know. Facebook gives people the power to share and makes the... Terry Lee Roe is on Facebook. To connect with Terry, sign up for Facebook today. Log In. or. Sign Up. About Terry Lee Roe. Current City and Home Town. Danville, Illinois. Home Town. About Terry. IF, your into REAL people and Friends,,then WE MAY BE ALIKE.. Life is a Journey that leads us down many roads, mine is with a fork in it, and my way to turn, is always the question...Left, or Right?