

Spiro E. Stefanou

Curriculum Vitae

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Pennsylvania State University
Armsby Building
University Park, PA 16802 USA

553 Balmoral Circle
State College, PA 16801

Office Phone: +1.814.863 8635

Office FAX: +1.814.865 3746

email: SpiroS@psu.edu

webpage: <http://www.personal.psu.edu/ttc/>

Home phone:+1.814.237.4989

PERSONAL

Born: Washington, DC, 3 April 1955

Citizenship: USA

Married (Candice R. Stefanou), two children: Alexa and Andrew

EDUCATION

Ph.D., 1983	Agricultural Economics	University of California, Davis
M.S., 1979	Agricultural and Resource Economics	University of Maryland
B.A., 1977	Anthropology	George Washington University

CURRENT POSITIONS

Pennsylvania State University		
Professor of Agricultural Economics		1995 –
Fellow, Center for Food Innovation		2004 –
Member, Operations Research Faculty		1984 –
Wageningen University (NL)		
Professor (part-time) of Business Economics		2007 –
Mediterranean Agronomic Institute Chania (GR)		2002 –
Adjunct Professor of Economics and Management Science		

PROFESSIONAL HISTORY

Visiting Professor of Agric Economics & Policy, Wageningen University (NL)	1996, 1995
Visiting Professor of Economics , Institute for Advanced Studies (AT)	1994 – 1997
Visiting Lecturer, Operations Research, University of Delaware	1989
Associate Professor of Agricultural Economics, Pennsylvania State University	1989-1995
Assistant Professor of Agricultural Economics, Pennsylvania State University	1983-1989

SHORT VISITS

University of Porto (PT), Department of Economics	March 2007
Institute for Ag Development in Middle & Eastern Europe (D)	April 2006
University of Oviedo (ES), Economics	May 2002

ITESM (Monterrey Tech) (MX), Food Engineering	May 2001
Wageningen University (NL), Agricultural Economics and Policy	June 1996
Tilburg University (NL), Center for Economic Research	March 1991
University of Nitra (SK) , Mathematical Methods and Statistics	Nov 1990 & May 1991
Aristotelian University of Thessaloniki (GR), Agricultural Economics	May 1985

RESEARCH INTERESTS

Production Analysis
 Innovation, Growth and Performance in the Agricultural and Food Industries
 Dynamics of Economic Adjustment

PROFESSIONAL AWARDS, HONORS AND RECOGNITIONS

Fellowships and other Awards

Fellow, Agricultural and Applied Economics Association, 2006
 Mansholt Senior Scholar, Business Economics, Wageningen University, 2006
 Marie Curie Senior Fellow, Economics, University of Crete, 2006
 Gamma Sigma Delta, Honorary Society of Agriculture, elected 1997
 Jean Monnet Fellow, European University Institute (Italy), 1990-1991
 Alexander von Humboldt Research Fellowship to the University of Bonn (declined), 1990-1991
 Giannini Foundation Scholarship, University of California, 1979-1980

Invited Lectures

Invited Advance Lecture Presentation, Taipei Productivity and Efficiency Conference, 2009
 Plenary Presentation, Taipei Productivity and Efficiency Conference, 2009
 Plenary Address, 3rd Hellenic Workshop of Productivity & Efficiency Measurement, Univ of Patras, (Greece), 2006
 Keynote Address, Conference: Policy and Competitiveness in a Changing Global Industry, Economic Research Service (USDA) & Farm Foundation, Washington, DC, 2005
 Plenary Speaker, EAAE PhD Workshop, Wageningen University (Netherlands), 2005
 Keynote Address, Methodological and Empirical Issues of Productivity & Efficiency Measurement in the Agri-Food System, 91st EAAE Seminar, University of Crete (Greece), 2004
 Plenary Address, 2nd Hellenic Workshop of Productivity & Efficiency Measurement, University of Patras (Greece), 2003
 Second International Conference on Applications of Dynamic Models to Economics, National Central University (Taiwan), 1996

Dissertation Advising and Teaching Awards

Thesis Advisor of MEMS *Torries Prize for Outstanding Graduate Research* student, 2003
 Harbaugh Faculty Scholar Award, Penn State Univ, 2001
 University Provost's Collaborative & Curricular Innovations Special Recognition Award, Penn State Univ, 1998
 Thesis Advisor of AAEA Outstanding Dissertation Award student, 1997.
 Thesis Advisor of Allan B. Colburn Outstanding Dissertation Award student, Univ of Delaware, 1991.
 Thesis Advisor of AAEA Outstanding Dissertation Award student, 1988.

INTERNATIONAL & NATIONAL SCIENTIFIC COMMITTEES & PANELS

Member, Foundation of the *European Review of Agricultural Economics*, 2007-
 Scientific Committee member of the following EAAE Seminars:

- 91st EAAE Seminar on *Methodological and Empirical Issues of Productivity and Efficiency Measurement in the Agri-Food Sector*, University of Crete, Rethymno, September 2004;
- 120th EAAE Seminar on *External Cost of Farming Activities: Economic Evaluation, Risk Considerations, Environmental Repercussions and Regulatory Framework*, Mediterranean Agronomic Institute of Chania (MAICh), Chania, Crete, September, 2010

Scientific Committee member for the following International Efficiency and Productivity Workshops:

EWEP 8 (Univ of Oviedo, 2001); HEWPEM I (Univ of Patras, 2001); NAPW II (Union College, 2002); EWEP 9 (Univ of Oviedo, 2003); HEWPEM II (Univ of Patras, 2003); EAAE 91st Seminar (Univ of Crete, 2004); HEWPEM III (Univ of Patras, 2006); NAPW IV (NYU-Stern, 2006); APPC (Seoul National Univ, 2006); NAPW IV (NYU-Stern, 2008)

Advanced Summer School in Economics and Econometrics, Univ of Crete, 2005-present

Conference: Policy and Competitiveness in a Changing Global Industry, Economic Research Service (USDA) & Farm Foundation, Washington, DC, 2005

Review Panel of the Mansholt Graduate School, Wageningen University (NL), 2003

EDITORIAL POSITIONS & SERVICE

Guest Editor, *American J of Agricultural Economics AAEA Centennial Issue*, 2010

Guest co-Editor, with G. Karagiannis & V. Tzouvelekas, *Agricultural Economics Review: Special Issue: Economics of Agricultural and Food Systems*, 2009

Editorial Board, *Netherlands Journal of Life Sciences*, 2009-

Guest co-Editor, with K. Kerstens, *J of Productivity Analysis: Special Issue: Modeling R&D in U.S. Agriculture*, 2008

Co-Editor, *Agricultural Economics Review*, 2004-

Editorial Board, *AgBioForum*, 2003-

Associate Editor, *J of Productivity Analysis*, 2002-

Associate Editor, *European Review of Agricultural Economics*, 2001-2008

Editor, *American J of Agricultural Economics*, 1997-2002

Associate Editor, *American J of Agricultural Economics*, 1991-1996

Editorial Board, *Northeastern J of Agricultural and Resource Economics* 1989-1992

Journal Reviewer

Academia Economic Papers, Acta Agriculturae Scandinavica C - Food Economics, Applied Mathematical Modelling, AgBioForum, Agricultural Economics, Agricultural Economics Review, Agricultural and Resource Economics Review, American J of Agricultural Economics, Australian J of Agricultural and Resource Economics, Canadian J of Agricultural and Resource Economics, Canadian J of Economics, Ecological Applications, Ecological Economics, Econometric Reviews, Economic and Development Economics, Economic Inquiry, Economic Systems, Empirical Economics, European J of Operations Research, Energy J, European Review of Agricultural Economics, Food Policy, International Economic Review, J of Agricultural and Resource Economics, J of Comparative Economics, J of Econometrics, J of Economic and Environmental Management, J of Economic Dynamics and Control, J of Economic Geography, J of Productivity Analysis, J of Regional Science, Metroeconomica, NJAS-Wageningen J of Life Sciences, Quarterly J of Economics and Finance, Review of Agricultural Economics, Review of Industrial Economics, Southern Economic J

TEACHING

COURSES TAUGHT

Pennsylvania State University

Undergraduate	Graduate
Principles of Agribusiness Management	Econometrics I
Freshman Seminar: Master Student	Econometrics II
Economics of Production	Advanced Production Economics II
Seminar in Agricultural Business Management	Dynamic Production Theory
Special Topic: Economic Valuation of Natural Resources	Agricultural Economics Colloquium
Food Product Innovation Management	Operations Research Colloquium

Mediterranean Agronomic Institute (Chania, GR) -- Graduate

Production Economics Foundations and Modeling, 2002
 Optimal Resource Allocation and Welfare Economics, 2003-2007

Wageningen University (NL) -- Graduate

“Organization of Agribusiness,” with Jos Bijman, Franz Bunte, Alfons Oude Lansink and Stephanie Bröring, Business Economic/Management Studies Research Masters course, October-December 2008- .

“Dynamic Efficiency and Production Analysis,” with Alfons Oude Lansink, Mansholt Graduate School, July 2008.

“Parametric Approaches to Measuring Efficiency and Productivity Growth,” with Subal Kumbhakar, Mansholt Graduate School, July 2003 & June 2006.

“Productivity, Innovation and Technical Change,” Mansholt Graduate School, January 1995.

*Agricultural University of Athens (GR), “Lectures in Growth and Development,” March 2007.**University of Crete (GR), Department of Economics lecture series, “Lectures in Dynamic Production Economics,” May 2006.**Institute for Advanced Studies (AT), Postgraduate Program in Applied Economics, “Applied Microeconomics,” annually Spring 1994-1997.**European University Institute (I), Department of Economics lecture series, “Dynamics of Economic Adjustment,” January 1991.**University of Delaware, Operations Research, “Theory and Applications in Dynamic Economic Analysis,” Spring 1989.*

PH.D SUPERVISION

Ching-Cheng Chang (1987), Yir-Hueih Luh (1990), Jorge Fernandez-Cornejo (Univ of Delaware, 1991), Panos Fousekis (1995), Elvira Silva (1996), Takeshi Ueda (2001), Onelack Choi (2003), Supawat Rungsuriyawiboon (Energy, Environmental & Mineral Economics, 2003), Pinar Celikkol (2003), Fang-I Wen (2004), Shengwu Du (2005), Lakshmi Balasubramanyan (2008), Grigorios Emvalomatis (2009), Fatima Lambarraa (University Polytechnic of Catalonia, 2009)

M.S. SUPERVISION

John D. Wingard (1988), Jana Hranaiova (1994), Kathryn Anne DeRemer (1994), Pinar Celikkol (1996), Chin-Yuan Huang (1997), Byeong-Ok Song (2001), Grigorios Emvalomatis (2007), Nouman Al Ammouri (MAICh, 2008), Stoyan Anatosov (MAICh, 2008), Marija Pavleska (MAICh, 2009)

Additional service as a committee member on 39 doctoral dissertation committees in agricultural economics, economics, educational leadership, finance, higher education, industrial engineering, instructional systems, and mineral, and 7 master thesis committees in agricultural economics.

PRESENTATIONS AT PROFESSIONAL MEETINGS

Agricultural and Applied Economics Association, Orlando, FL, 2008
 North American Productivity Workshop V, Stern School, New York University, 2008
 American Agricultural Economics Association, Portland, OR, 2007
 Tenth European Workshop on Efficiency and Productivity, Lille (France), 2007
 Invited Participant, National Academies of Science, Board on Agriculture and Natural Resources, Education Leadership Summit, 2006
 Food Distribution Research Society, Washington, DC, 2005
 Producer Dynamics: New Evidence from Micro-Data, NBER, Washington, DC, 2005
 Ninth European Workshop on Efficiency and Productivity, Brussels (Belgium), 2005
 Producer Dynamics: New Evidence from Micro-Data, NBER, Boston, 2004
 North American Productivity Workshop, University of Toronto (Canada) 2004
 Fifth International Athens Institute for Education and Research Conference, 2003, Greece
 Pre-Conference Workshop, Eighth European Workshop on Efficiency and Productivity Analysis, Oviedo, (Spain), 2003
 Eighth European Workshop on Efficiency and Productivity Analysis, Oviedo, (Spain), 2003
 North American Productivity Workshop II, Union College, NY, 2002
 Asian Conference on Efficiency and Productivity, Academia Sinica (Taiwan), 2002
 International Atlantic Economics Society meetings, Washington, DC, 2002
 Northeast Educational Research Association Annual Meetings, Kerhonkson, NY, 2001
 Pennsylvania Association for Educational Communication and Technology, Hershey, PA, 2001
 Seventh European Workshop on Efficiency and Productivity Analysis, Oviedo, Spain, 2001
 Eighth Annual Teaching and Learning with Technology Symposium, Penn State Univ, 2000
 North American Productivity Workshop, Union College, NY, 2000
 International Atlantic Economics Society meetings, Charleston, SC, 2000
 Seventh Annual Teaching and Learning with Technology Symposium, Penn State Univ, 1999
 Sixth European Workshop on Efficiency and Productivity, Copenhagen (Denmark), 1999
 The 1999 Assessment Institute, Indianapolis, IN, 1999
 Faculty Development Conference, Penn Sate Berks-Lehigh College, 1998
 Sixth Annual Teaching and Learning with Technology Symposium, Penn State Univ, 1998
 Third Georgia Productivity and Efficiency Workshop, University of Georgia, 1998
 Southern Economic Association Annual meetings, Baltimore, MD, 1998

Taipei Conference on Efficiency and Productivity, Academia Sinica (Taiwan), 1997
 Society of Economic Dynamics, Oxford University (UK), 1997
 American Agricultural Economics Association, Toronto, Canada, 1997
 Fifth European Workshop on Efficiency and Productivity, Copenhagen (Denmark), 1997
 VIII European Association of Agricultural Economics Congress, Edinborough (Scotland), 1996
 American Agricultural Economics Association, Indianapolis, IN, 1995
 Fourth European Workshop on Productivity and Efficiency, CORE, (Louvain, Belgium), 1995
 Georgia Productivity Workshop, University of Georgia, 1994
 International Conference on New Dimensions in North American-European Agricultural Trade Balance, Isola Capo Rizzuto, Calabria (Italy), 1993
 American Agricultural Economics Association, Orlando, FL, 1993
 VIIth European Association of Agricultural Economics Congress, Stresa (Italy), 1993
 European Association of Agricultural Economics Seminar, Vysoke Tatry, (Slovakia), 1992
 American Agricultural Economics Association, Baltimore, MD, 1992
 International Agricultural Trade Research Consortium, St. Petersburg Beach, FL, 1992
 Operations Research Society/The Institute of Management Science, Nashville, TN, 1991.
 Eastern Economics Association Meetings, Cincinnati, OH, 1990
 American Agricultural Economics Association, British Columbia (Canada), 1990
 Symposium on "Agriculture in Transition," Vysoke Tatry (Czechoslovakia), 1990
 International Federation of Automatic Control/Society of Economic Dynamics and Control, Heriot-Watt University, Edinburgh, Scotland, 1989
 American Association of Agricultural Economics, Louisiana State University, Baton Rouge, LA, 1989 (2 presentations)
 Northeastern Association of Agricultural and Resource Economics, University of Maine, Orono, ME, 1988.
 American Association of Agricultural Economics, Knoxville, TN, 1988
 Southern Agricultural Economics Association, Nashville, TN, 1987
 Conference of the Society of Economic Dynamics and Control, Boston College, Boston, MA, 1987 (3 presentations), 1987
 Northeastern Association of Agri. & Resource Econ, West Virginia Univ, Morgantown, WV, 1986
 American Agricultural Economics Association, Reno, NV, 1986
 Symposium on Greek Agriculture, Aristotelian University of Thessaloniki, Thessaloniki, Greece, 1985
 Northeastern Association of Agricultural and Resource Economics, Cornell University, Ithaca, NY, 1984
 Operations Research Society/The Institute of Management Science, 1983
 American Agricultural Economics Association, Purdue University, West Lafayette, IN, 1983

INVITED SEMINARS AT RESEARCH INSTITUTIONS

Austria: Institute for Advanced Studies, Vienna, (Economics); University of Natural Resources & Applied Life Sciences (Institute for Economics, Politics and Law, 2 times), University of Linz (Economics); **Cyprus:** University of Cyprus (Economics); **Czech Republic:** Central European University, Prague (Economics); **Denmark:** University of Copenhagen (Institute of Food & Resource Economics); **Germany:** Center for Agricultural Development in Central and Middle Europe (IAMO); **Greece:** Agricultural University of Athens (Agribusiness Laboratory), Aristotelian University of Thessaloniki (Agricultural Economics), University of Crete (Economics, 2 times), University of Macedonia (Dept. of International Economics & Dept of Economics, 2 times); **Italy:** European University Institute, Florence (Economics), University of Siena (Economics, 2 times); **Mexico:** Instituto Tecnológico y de Estudios Superiores de Monterrey (Food Engineering); **Netherlands:** Free University of Amsterdam (Centre for World Food Studies), International Service for National Agricultural Research, The Hague, Tilburg University, Tilburg (Center for Economic Research, 2

times), Utrecht University (Economics), Wageningen University (Agric Econ & Policy, 3 times; Business Economics, 2 times); **Portugal:** University of Porto (Economics, 2 times); **Slovak Republic:** University of Agriculture-Nitra (Mathematical Methods and Statistics); **Spain:** University Polytechnic of Catalonia (Center for Agro-food Economy & Development), University of Oviedo (Economics & Permanent Seminar in Efficiency Analysis); **Taiwan:** Academia Sinica (Institute of Economics, 2 times), National Ping Tung University of Science and Technology (Agribusiness), National Taiwan University (Agricultural Economics, Economics), National Tsing-Hua University (Economics); **Turkey:** Bilkent University (Economics), TOBB Economics and Technical University (Economics); **North America:** Bucknell University (Engineering), Cornell University (Applied Economics & Management), Economic Research Service, USDA (2 times), Michigan State University (Agric Economics), Ohio State University (Agric, Environmental & Development Economics), Rensselaer Polytechnic Institute (Economics), University of Guelph (Economics), University of Florida (Food and Resource Economics), University of California, Berkeley (Agric & Resource Economics), University of California, Davis (Agric & Resource Economics, 3 times), University of California, Santa Cruz (Environmental Studies), University of Delaware (Operations Research, 2 times), University of Georgia (Agric & Applied Economics), University of Minnesota (Agric & Applied Economics), University of Missouri (Agric Economics), University of Nebraska (Agric Economics)

PROFESSIONAL ASSOCIATIONS

Agricultural and Applied Economics Association
 American Economic Association
 European Association of Agricultural Economists
 Northeastern Association of Agricultural and Resource Economics
 Productivity Analysis Research Network

SERVICE TO PROFESSIONAL SOCIETIES

Agricultural and Applied Economics Association (formerly American Agricultural Economics Association)

Director, 2006-09

Board Ad Hoc Committee on Publications Negotiations, 2008

Board Task Force on Selected Papers, Poster and Symposia, 2006

Board Task Force on Annual Meetings Structure, 2006

Awards Committee, Publication of Enduring Quality Award, 2003-2005

Candidate for AAEA President, 2003

Communications/Publication Committee, 2001-2003

Editor & *Ex Officio* Board Member, *American J of Agricultural Economics*, 1997-2002

Associate Editor, *American J of Agricultural Economics*, 1991-1996

Awards Committee, 1991- 1996

Symposium Organizer, 1992

Professional Relations with Economics in Transition Committee, 1992-1996

Selected Papers Review Committee, 1988-1990,

Topic Leader, Production Economics and Technical Change, 1988

Committee on Economic Education, 1987-1988

European Association of Agricultural Economists

Plenary Speaker, EAAE PhD Workshop, 2005
 Associate Editor, *European Review of Agricultural Economics*, 2001-present

Northeastern Association of Agricultural and Resource Economics

Distinguished Member Review Committee, 1993-1995
 Master Thesis Award Review Committee, 1988-1990
 Selected Papers Review Committee, 1984-1986

PROFESSIONAL CONSULTATIONS

External Dossier Reviews

Arizona State University; Bilkent University (Turkey); Göteborg University (Sweden); Memorial University of Newfoundland (Canada); University of California, Berkeley, University of California, Davis (2); University of Delaware; University of Florida; University of Guelph (Canada); University of Maine; University of Minnesota; University of Missouri; North Carolina State University; Oregon State University; SUNY-Binghamton; University of Maryland; University of Tennessee; Texas A&M University; University of Vermont; University of Wisconsin; Wageningen University (Netherlands)

Other Reviews – Domestic

CSRS External Program Reviewer, University of Massachusetts, Integrated Pest Management Program
 Resources for the Future
 U.S. Dept. of Agriculture (Cooperative State Research Service, Economic Research Service),

- Review Panel Member, National Research Initiative Competitive Grants Program in *Market Assessments, Competitiveness, and Technology*
- Small Business Innovation Research Program

National Science Foundation

Other Reviews – International

Publishers: Blackwell, Cambridge University Press, Kluwer Academic, Oxford University Press, Prentice-Hall, Springer.
 Social Science Research Council, Netherlands Organization for Scientific Research

Contracted Consultancies

American Mushroom Institute
 Economic Research Service, USDA, various branches
 European Bank for Reconstruction and Development (London)
 Anti-trust and economic consultation to Garwin, Gerstein & Fisher (New York)

RECENT MAJOR GRANTS

(Last 10 years: \$1.8 million direct/\$6.7 total)

USDA/ERS, Markets & Trade Economics & Food Economics Division, 2007-2010 (\$150,000) “Farm-to-Retail Food Conversion Rates”

European Union Seventh Framework Research Program, Socio-economic Research and Support to Policies, 2008-11 (WP5 budget \$501,500; Total: \$4.4 mil)	“Working Package: Economic Sustainability, Biodiversity Loss and Socially Optimal Pesticide Use” in <i>Theoretical Developments and Empirical Measurement of the External Costs of Pesticides</i> .
USDA/ERS, Markets & Trade Economics & Resources and Productivity Divisions, 2006-2010 (\$88,750)	“Firm-level Adjustment of US Food Firms to Globalization”
European Union Sixth Framework Research Program, Sustainable Management of Europe’s Natural Resources, 2007-10 (WP5 budget \$178,000; Total: \$1.18 mil)	“Working Package: Assessment of the Economic Performance of the Food Supply Chain” in <i>EU Food Industry Dynamics and Methodological Advances</i>
Greek Ministry of Economic Development and the European Union, 2006-08 (\$142,000)	“Microeconomic Analysis of Agricultural Productivity and Worker Health”
Ben Franklin Partnership, Center of Excellence Program, 2004-07 (\$200,000)	“Center for Food Innovation”
Farm Foundation & USDA/ERS, Markets & Trade Economics Division, 2004-06 (\$55,000)	“Competitiveness of Global Food Markets”
NRI Grant, USDA, 2002-04 (\$122,000)	“Analyzing the Capital Adjustment Patterns and Productivity Behaviors of Plants and Firms in the U.S. Food and Kindred Products Industry”
Agricultural Telecommunications Program, USDA, 1999-00 (\$30,000)	“Empowering Food Industry Professionals with Web-based Product Development Cases”
Higher Education Challenge Grant, USDA, 2000-2002 (\$100,000)	“Transferring Experts’ Reasoning to Novice Learners in Food Product Development”
Higher Education Challenge Grant, USDA, 1998-2000 (\$71,741)	“Mechanisms of Disease: A Freshman Seminar”
Higher Education Challenge Grant, USDA, 1997-1999 (\$79,820)	“Critical Thinking and Problem Solving: A Food Product Development Case Approach”
NRI Grant, USDA, 1997-1998, 1998-2000 (\$20,000 & \$70,000)	“Role of Uncertainty in Agricultural Commodity Prices”

PUBLICATIONS AND PAPERS

BOOK, BOOK CHAPTERS AND MONOGRAPHS

Polish agriculture in transition: does it hurt to be slapped by an invisible hand, with Larry Karp, *Centre for Economic Policy Research* (London) Discussion Paper No. 662 (January 1992), 77 pp.

Economic growth and change in Bourbon Mexico, in collaboration with Richard Garner, University Presses of Florida (1993), 356 pp.

Transforming Eastern European agriculture, with Larry Karp, in *Eastern European agriculture: problems, prospects and goals*, Proceedings of the 27th Seminar of the European Association of Agricultural Economics, University of Agriculture Nitra and the Ministry of Agriculture of the Slovak Republic (1993), pp. 17-21.

Economic adjustment in Polish agriculture: the case of dairy and swine production, with Larry Karp in *Agricultural Development and Transition*, Volume F, European Association of Agricultural Economics (1993), pp. 55-68.

Domestic and trade policy in Central and Eastern European agriculture, with Larry Karp. *Centre for Economic Policy Research* (London) Discussion Paper No. 814 (1993), 32 pp.

Agricultural trade policy in Central and Eastern Europe, with Larry Karp in *Agricultural Trade Conflicts and GATT: New Horizons in North American-European Agricultural Trade*, edited by Giovanni Anania, Colin A. Carter and Alex McCalla, Westview Press (1994), pp. 365-85.

Discussion: The CAP in a growing EC, in *Agricultural Trade Conflicts and GATT: New Horizons in North American-European Agricultural Trade*, edited by Giovanni Anania, Colin A. Carter and Alex McCalla, Westview Press (1994), pp. 229-32.

Credit subsidies to support agriculture, with L. Karp, in *Privatization of Agriculture in New Market Economies: Lessons from Bulgaria*, edited by Andrew Schmitz, Kirby Moulton, Alan Buckwell and Sofia Davidova, Kluwer Academic Publishers (1994), pp. 403-18.

The CAP and technological change, with Arie Oskam, in *The CAP and the World Economy*, edited by Christopher Ritson, CAB International Publishers (1997), pp. 191-224.

The Lions and Hawks: using videoconferencing and web technology to deliver a cross-campus New Product Development course, with John Lord, Al Labonis and Lamartine Hood, *Proceedings of the Annual Mid-South Instructional Technology Conference*, Murfreesboro, TN, (2001), www.mtsu.edu/~itconf/proceed01/7.pdf

Productivity growth patterns in U.S. food manufacturing: case of dairy products industry, with Pinar Celikkol, Center of Economic Studies, Bureau of Census Working Paper CES-WP-04-08 (May 2004), pp.74.

Productivity growth patterns in U.S. food manufacturing: case of meat products industry, with Pinar Celikkol, Center of Economic Studies, Bureau of Census Working Paper CES-WP-04-04 (March 2004), pp.78.

Linking investment spikes and productivity growth: U.S. food manufacturing industry, with Pinar Celikkol Geylani, Center of Economic Studies, Bureau of Census Working Paper CES-WP-08-36 (October 2008), pp.52.

Managing firm competitiveness in global markets, with Mark Gehlhar, Anita Regmi and Barry Zoumas, in *Competitiveness in Agriculture and the Food Industry: US and EU Perspectives*, edited by Fanfani R., Ball E., Gutierrez L., Ricci Maccarini E. Bologna, Italy: Bononia University Press, 2008, pp. 289-304.

Productivity and innovation in the U.S. food processing sector, with Pinar Geylani and Gregory K. Pompelli, *Handbook of Innovation in the Food and Drink Industry*, Ruth Rama (Editor), Haworth Press Inc. , N.Y.-London, 2008, 81-106.

Discussion of “Producer dynamics in agriculture: empirical evidence, by Mary Clare Ahern, Penni Korb and Jet Yee”, in *Producer Dynamics: New Evidence from Micro Data*, edited by Timothy Dunne, J. Bradford Jensen and Mark J. Roberts, Conference on Research in Income and Wealth, National Bureau of Economic Research, University of Chicago Press, 2009, pp. 391-394.

Managing competitiveness and agri-food policy, *Agriculture, Competition and EU Policy*, edited by Giannis Karagiannis and Kostas Galanopoulos, University of Macedonia Press, Thessalonki, Greece, 2009.

ARTICLES

Towards a behavioral approach to modeling dynamic production choice structures, with Robert D. Weaver. *Northeastern J of Agricultural and Resource Economics* 13 (October 1984), 163-76.

Factors affecting the price of hay at a Pennsylvania auction, with William Grisley and Ted Dickerson. *Northeastern J of Agricultural and Resource Economics* 14 (April 1985), 48-56.

Modeling *lygus hesperus* injury to cotton yields, with Marc Mangel and James E. Wilen. *J of Economic Entomology* 78 (1985), 1009-14.

Review of *Federal Statistics and National Needs*. *Government Publications Review* 12 (1985), 64-67.

Information in agricultural pest control, with Marc Mangel and James E. Wilen. *J of Agricultural Economics* 37 (January 1986), 77-88.

Soil conservation under uncertain revenues and input supplies: comment, with James S. Shortle. *American J of Agricultural Economics* 68 (May 1986), 358-60.

Technical change, uncertainty and investment. *American J of Agricultural Economics* 69 (February 1987), 158-65.

Supply growth and dairy industry deregulation, with Ching-Cheng Chang. *Northeastern J of Agricultural and Resource Economics* 16 (April 1987), 1-9.

Education, experience and allocative efficiency: a dual approach, with Swati Saxena. *American J of Agricultural Economics* 70 (May 1988), 338-45.

Temporal risk aversion in a phased deregulation game, with Shih-Hsun Hsu. *J of Economic Dynamics and Control* 12 (June 1988), 181-87.

Specification and estimation of asymmetric adjustment rates for quasi-fixed factors of production, with Ching-Cheng Chang. *J of Economic Dynamics and Control* 12 (June 1988), 145-51.

Stochastic learning by experience and returns to scale. *J of Economic Dynamics and Control* 12 (June 1988), 137-43.

Returns to scale in the long run: the dynamic theory of cost. *Southern Economic J* 55 (January 1989), 570-79.

Learning, experience and firm size. *J of Economics and Business* 41 (November 1989), 283-96.

Dairy supply and factor demand response to output price risk: an econometric assessment, with Yir-Hueih Luh. *Northeastern J of Agricultural and Resource Economics* 18 (October 1989), 103-08.

Economies of size revisited, with J. Patrick Madden. *J of Agricultural Economics* 39 (January 1989), 125-32.

Productivity growth in U.S. agriculture under dynamic adjustment, with Yir-Hueih Luh. *American J of Agricultural Economics* 73 (November 1991), 1116-25.

License values in restricted access fisheries, with James E. Wilen. *Bulletin of Mathematical Biology* 54 (March 1992), 209-18.

Dynamic measures of scope and scale economies: an application to German agriculture, with Jorge Fernandez-Cornejo, Conrado Gempesaw and Joachim Elterich. *American J of Agricultural Economics* 74 (May 1992), 283-99.

Dynamic structure of production under a quota: the case of dairy in the Federal Republic of Germany, with Conrado Gempesaw, Jorge Fernandez and Joachim Elterich. *European Review of Agricultural Economics* 74 (1992), 329-42.

Review of *Mathematical Bioeconomics*, 2nd edition, by Colin Clark. *Mathematical Biosciences* 110 (June 1992), 137-38.

Learning-by-doing and the sources of productivity growth: a dynamic model with application to U.S. agriculture, with Yir-Hueih Luh. *J of Productivity Analysis* 4 (December 1993), 353-70.

Domestic and trade policy in Central and Eastern European agriculture, with Larry Karp. *The Economics of Transition* 2 (1994), 345-71.

Anticipating a production quota and investment behavior, *Rivista Internazionale Scienze Economiche é Commerciali* 42 (1995), 301-14.

Estimating dynamic dual models under nonstatic price expectations, with Yir-Hueih Luh, *American J of Agricultural Economics* 78(November 1996), 991-1003.

Capacity utilization under dynamic profit maximization, with Panos Fousekis, *Empirical Economics* 21 (September 1996), 335-59.

Generalization of nonparametric tests for homothetic production, with Elvira Silva, *American J of Agricultural Economics* 78(August 1996), 542-46.

Review of *Induced Innovation Theory and International Agricultural Development: A Reassessment*, edited by Bruce M. Koppel. *European Review of Agricultural Economics* 23 (1996), 225-26.

Asymmetric adjustment of dynamic factors at the firm level, with Alfons Oude Lansink, *American J of Agricultural Economics* 79(November 1997), 1340-51.

Measuring the impact of price-induced innovation on technological progress: application to the U.S. food processing and distribution sector, with Pinar Celikkol, *J of Productivity Analysis* 12 (September 1999), 135-52.

Decomposing productivity growth allowing for efficiency gains and price-induced technical progress, with Alfons Oude Lansink and Elvira Silva, *European Review of Agricultural Economics*, 27 (December 2000), 497-518.

Inter-firm and intra-firm efficiency measures, with Alfons Oude Lansink and Elvira Silva, *J of Productivity Analysis*, 15 (May 2001), 185-99.

Dynamic area allocation and economies of scale and scope, with Alfons Oude Lansink, *J of Agricultural Economics*, 52 (September 2001), 38-52.

Feedback and Change: Assessment of Individual Contribution in Collaborative Activities in the Higher Education, with Lamartine F. Hood and Candice R. Stefanou, *J of Excellence in College Teaching*, 12 (2001), 77-91.

Using experts' experiences through stories in teaching new product development, with Julian Hernandez-Serrano, Lamartine Hood, Barry Zoumas, *J of Product Innovation Management*, 19 (January 2002), 54-68.

A multi-institutional web-based undergraduate food product innovation and marketing course, with Lamartine F. Hood, John B. Lord, Barry L. Zoumas, and Julian Hernandez-Serrano, *J of Food Science Education*, 1 (January 2002), 10-17.

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