

Spiro E. Stefanou

Curriculum Vitae

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Pennsylvania State University
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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 – present
Fellow, Center for Food Innovation		2004 – present
Member, Operations Research Faculty		1984 – present
Assistant and Associate Professor of Agricultural Economics		1983 – 1995
Program Coordinator, Agribusiness Management Undergraduate Program		2013 – present
Lead Faculty and Coordinator, Agribusiness Management Undergraduate Online Program		2013 – present
Wageningen University (NL)		
Professor (part-time) of Business Economics		2007 – present
Fellow, Wageningen School of Social Sciences		2011 – present

RESEARCH INTERESTS

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

HONORS, FELLOWSHIPS, INVITED ADDRESSES & VISITING POSITIONS

Fellowships

Fellow, American Agricultural Economics Association, 2006
 Mansholt Senior Scholar, Business Economics, Wageningen University (NL), 2006
 Marie Curie Senior Fellow, Economics, University of Crete (GR), 2006
 Jean Monnet Fellow, European University Institute (I), 1990-1991

Honors

Gamma Sigma Delta Research Award, Penn State Univ, 2013
 Presidential Special Recognition Award, Agricultural and Applied Economics Association, 2010
 Thesis Advisor of AAEA Outstanding Dissertation Award student, 1988 & 1997.
 Thesis Advisor of MEMS *Torries Prize for Outstanding Graduate Research* student, 2003
 Thesis Advisor of Allan B. Colburn Outstanding Dissertation Award student, Univ of Delaware, 1991.
 Harbaugh Faculty Scholar Award, Penn State Univ, 2001
 University Provost's Collaborative & Curricular Innovations Special Recognition Award, Penn State Univ, 1998
 Gamma Sigma Delta, Honorary Society of Agriculture, elected 1997
 Giannini Foundation Scholarship, University of California, 1979-1980

Invited Addresses

Keynote Speaker, HAWEPA Workshop, Issues in Dynamic Efficiency Analysis, Institute for Ag Development in Middle & Eastern Europe, (D), 2012
 Invited Advance Lecture Presentation, Taipei Productivity & Efficiency Conference, (TW) 2009
 Plenary Presentation, Taipei Productivity and Efficiency Conference, (TW), 2009
 Plenary Address, 3rd Hellenic Workshop of Productivity & Efficiency Measurement, Univ of Patras, (GR), 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 (NL), 2005
 Keynote Address, Methodological and Empirical Issues of Productivity & Efficiency Measurement in the Agri-Food System, 91st EAAE Seminar, University of Crete (GR), 2004
 Plenary Address, 2nd Hellenic Workshop of Productivity & Efficiency Measurement, University of Patras (GR), 2003
 Second International Conference on Applications of Dynamic Models to Economics, National Central University (TW), 1996

Visiting Scholar

University of Porto, Economics, (PT), 1996, 2007, 2010
 MAI-Chania, Economics and Management Science, (GR) 2002 –2007
 Institute for Ag Development in Middle & Eastern Europe (D), April 2006
 University of Oviedo, Economics, (ES), May 2001
 ITESM (Monterrey Tech), Food Engineering, (MX), May 2001
 Wageningen University, Agricultural Economics and Policy, (NL), 1995, 1996
 Institute for Advanced Studies, (AT), Economics 1994-1997
 Tilburg University, Center for Economic Research, (NL), March 1991
 University of Nitra, Mathematical Methods and Statistics, (SK), November 1990, May 1991
 Aristotelian University of Thessaloniki, Agricultural Economics, (GR), May 1985

INTERNATIONAL & NATIONAL SCIENTIFIC COMMITTEES & PANELS

Member, USDA Agricultural Productivity Accounts External Review Panel, 2013-2014

Coordinator, External Review Panel for the Hellenic Quality Assurance and Accreditation Agency, Greece, Department of Economics, University of Crete, 2013-2014.

Member, Foundation of the *European Review of Agricultural Economics*, 2007- 2013, (reappointed) 2013-2018

Scientific Committee member, 91st EAAE Seminar on *Methodological and Empirical Issues of Productivity and Efficiency Measurement in the Agri-Food Sector*, University of Crete, Rethymno, September 2004

Scientific Committee member, 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:

EWEPa 8 (Univ of Oviedo, 2001)

HEWPEM III (Univ of Patras, 2006)

HEWPEM I (Univ of Patras, 2001)

NAPW IV (NYU-Stern, 2006)

NAPW II (Union College, 2002)

APPC (Seoul National Univ, 2006)

EWEPa 9 (Univ of Oviedo, 2003)

NAPW IV (NYU-Stern, 2008)

HEWPEM II (Univ of Patras, 2003)

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

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

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

EDITORIAL POSITIONS & SERVICE

Applied Economic Perspectives and Policy (Journal of the Agricultural and Applied Economics Association)
Managing Editor, Volumes 35-38 (2013-2016)

American Journal of Agricultural Economics (Journal of the Agricultural and Applied Economics Association)
Guest Editor, *AAEA Centennial Issue*, Volume 93, Issue 2 (2009)

Co-Editor, Volumes 80-84 (1998-2002)

Associate Editor, Volumes 74-79 (1991-1997)

NJAS (Journal of the Royal Netherlands Society for Agricultural Sciences)

Associate editor, Volumes 55- (2008 -)

European Review of Agricultural Economics

Member, Foundation of the *European Review of Agricultural Economics*, 2007-

Associate Editor, Volumes 29-35 (2001-2008)

Journal of Productivity Analysis

Associate Editor, Volumes 17- (2002-)

Guest Editor, *Special Issue: Modeling R&D in U.S. Agriculture*, with K. Kerstens Volume 30, Issue 1 (2008)

Agricultural Economics Review (Journal of the Greek Society of Agricultural Economics)

Co-Editor, Volumes 3- (2004-)

Guest Editor, *Special Issue: Economics of Agricultural and Food Systems*, with G. Karagiannis & V. Tzouvelekas, Volume 10 Issue 1 (2009)

AgBioForum

Editorial Board, Volumes 6- (2003-)

Northeastern Journal of Agricultural and Resource Economics

Editorial Board, 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, Economia Agraria y Recursos Naturales, Food Policy, International Economic Review, J of Agricultural and Resource Economics, J of Applied Econometrics, 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	Quantitative Methods
Seminar in Agricultural Business Management	Advanced Production Economics II
Special Topic: Economic Valuation of Natural Resources	Dynamic Production Theory
Food Product Innovation Management	Applied Welfare Economics
	Agricultural Economics Colloquium
	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

“Advanced Econometrics,” with Koos Gardebroek, doctoral course, June 2014.

“Organization of Agribusiness,” with Jos Bijman, Franz Bunte, Alfons Oude Lansink and Stephanie Bröring/Stefano Pascucci, Business Economic/Management Studies Research Masters course, October-December 2008-2011.

“Dynamic Efficiency and Production Analysis,” with Alfons Oude Lansink, Mansholt Graduate School, July 2008, July 2010, July 2012, July 2013.

“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), Worawan Toommongkol (2011), Theodoros Skevas (Wageningen University, 2012), Apurba Shee (2012), Qiong Yang (2014), Daniela Puggioni (in progress), Monica Roa Rodriguez (in progress)

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), Montira Mahinchai (2012)

Additional service as a committee member on over 50 doctoral dissertation committees in agricultural economics, economics, educational leadership, finance, higher education, industrial engineering, instructional systems, and mineral, and 8 master thesis committees in agricultural economics.

VISTING SCHOLARS HOSTED*Pre-doctoral:*

Alfons Oude Lansink, Wageningen University (NL), 1997
 Maroeska Boots, Wageningen University (NL), 1997
 Koos Gardebroek, Wageningen University (NL), 2000
 Kostas Chatzimichail, University of Crete (GR), 2006
 Fatima Lambaarra, University Polytechnic of Catalonia (ES), 2007
 Theodoros Skevas, Wageningen University (NL), 2009-10
 Maman Setiawan, Wageningen University (NL), 2011
 Magnus Kellermann, Technical University of Munich (D), 2012

Post-doctoral:

David Castilla , University of Huelva (ES), 2004
 Yingzhou Liu, Northwest Agricultural and Forestry University (PRC), 2008-09
 Ming-Miin Yu, National Taiwan Ocean University (TW). 2010-11
 Lijin Yuan, Dongbei University of Finance and Economics (PRC), 2013-2014

EXTERNAL THESIS EVALUATOR OR OPPONENT

Alfons Oude Lansink, Agricultural Economics & Policy, Ph.D., Wageningen University (NL), 1997
 Koos Gardebroek, Agricultural Economics & Policy, Ph.D., Wageningen University (NL), 2001
 Meba Jardali, Economic Sciences, Mgmt & Finance, M.Sc., MAI (at Chania) (GR), 2003
 Natalia Goncharova, Agricultural Econ & Rural Policy, Ph.D., Wageningen University (NL), 2007
 Timo Sipiläinen, Faculty of Agriculture and Forestry, Ph.D., University of Helsinki (FI), 2008
 Konstantinos Chatzimichael, Economics, Ph.D., University of Crete (GR), 2009
 Bouali Guesmi, Agricultural Economics, Ph.D., University Polytechnic of Catalonia (E), 2013

HONORS THESIS (UNDERGRADUATE)

Gregory Harnish, Prospects for agricultural change in Mexico, Penn State University, 1994.
 Rehka Rajagopalan, Economic feasibility of installing a methane digester on a dairy operation, Penn State University, 2006.
 Chelsea Francis, The Emergence of the Asian Chocolate Market, Penn State University, 2010.

PRESENTATIONS AT PROFESSIONAL MEETINGS

International Agricultural Trade Research Consortium, Symposium, Seville, Spain, 2013
 Agricultural and Applied Economics Association, Washington, DC, 2013
 North American Productivity Workshop VII, Rice University, 2012
 Agricultural and Applied Economics Association, Pittsburgh, 2011
 Twelfth European Workshop on Efficiency and Productivity, Verona (Italy), 2011
 Agricultural and Applied Economics Association, Denver, 2010
 114th EAAE Seminar, Structural Change in Agriculture, Humboldt University, Berlin, 2010.
 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 State 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, Edinburgh (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, 3 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 (3 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)

Fellows Selection Committee, 2011-2015
 AAEA Trust Committee, 2010-2011
 Communications/Publication Committee, 2009-2011, (Chair)
 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
 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 Economies 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

ERAE Awards Committee, 2011
 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

RECENT MAJOR GRANTS

European Union Seventh Framework Research Program, Food, Agriculture and Fisheries, and Biotechnologies, 2011-2013 (WP5 budget \$475,000; Total: \$4.6 mil)

“Working Package: Model Simulation and Policy Analysis” in *Integrating Econometric and Mathematical Programming Models into an Amendable Policy and Market Analysis Tool using FADN Database. (FADNTOOL)*

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> . (TEAMPEST)
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: \$1.4 mil)	“Working Package: Assessment of the Economic Performance of the Food Supply Chain” in <i>EU Food Industry Dynamics and Methodological Advances</i> (FOODIMA)
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”

ADMINISTRATIVE SERVICE

UNIVERSITY SERVICE

Faculty Senator, 2012-2013
 Judge, Eighth Annual Undergraduate Research Fair, Schreyer Honors College, 1999
 Associate Director, Schreyer Institute for Innovations in Learning and Teaching, 1997-1998
 Faculty Senate Committee on International and Intercultural Course Review, 1996-1999

Steering Committee, Schreyer Institute for Innovations in Learning, 1996-1998
Undergraduate Academic Program Assessment Committee, 1994-96

COLLEGE SERVICE

Advanced Agricultural and Food Systems Planning Group, 2014
E-Learning Organizational Advisory Committee, 2014
Distinguished Professor Review Panel, 2000-2004, 2008-2013
College's Graduate Student Competitive Grants Program evaluator, 2011
Food Sciences Study Group, 2004
Promotion and Tenure Committee, 2001-2004
Strategic Planning Committee on Resident Education, 2001
Information Science and Technology Minor Steering Committee, Chair, 2000
Instructional and Curricular Affairs Committee, 1999-2001.
Co-Organizer, Undergraduate Academic Program Assessment Seminar Series, 1995-1996
Chair, Academic Program Assessment Committee, 1993 -1996.
United Way Leadership Team, 1993-94.
College of Agricultural Sciences Representative to the College of Liberal Arts, 1993-96.
College of Agricultural Sciences Student Council, Senior Advisor, 1992-94.

DEPARTMENTAL COMMITTEE CHAIR AND ADVISORY POSITIONS

Program Coordinator, Agribusiness Management Undergraduate Program, 2013-
Lead Faculty Coordinator, Agribusiness Management World Campus B.S. program, 2013-
Chair, AEREC Qualifying Examination Committee, 1991-1992, 2009-2010, 2012-2013
Faculty Advisory Committee, 2007-2009, 2013-present
Chair, Graduate Committee, 2003-2005
Chair, Faculty Recruitment Committees, 1996, 1997, 2007.
Chair, Seminar Committee, 1986-88, 2000-01, 2007-08.
Chair, Graduate Admissions and Assistantship in Agricultural Economics, 2000-01
Co-Chair, Task Force to Revise Undergraduate Major in Agricultural Business Management, 2000-
2001
Professor-in-Charge of Undergraduate Programs, 1995 -1997.
Chair, Departmental Undergraduate Committee, 1992 - 1995.
Graduate Officer and Chair, Graduate Admissions and Assistantship Committee in Agricultural
Economics, 1987-1990.

DEPARTMENTAL COMMITTEE MEMBER

Honors and Awards Committee, 2005-2009
Information Technology Committee, 2002-04
Graduate Committee, 2000-01, 2008-09, 2011-present.
Warehouse Professor Review Committee. 2000-01
Agricultural Economics Examination Committee, 1984-86; 1995-97; 2008-10, 2012-2013
Undergraduate Committee, 1992- 97, 2006-present
Promotion and Tenure Committee, 1992-94.
Ad Hoc Committee on Strategic Planning, 1992.
Seminar Committee, various years.
Faculty Recruitment Committees, various years

COMMUNITY SERVICE

Presenter, “Feeding the World, Global Connections World Forum, State College, 2013
 New Product Development Workshop, Centre Learning Community Charter School, State College,
 PA. (This was a 6-week activity for two sets of 7/8th grade students) 2000, 2001, 2002
 Co-Chair, America’s Walk for Diabetes, 1997-2003
 Board Member, Mt. Nittany Chapter of the American Diabetes Association, 1996-98

PUBLICATIONS AND PAPERS

JOURNAL ARTICLES, BOOK, BOOK CHAPTERS

Analyzing the impact of investment spikes on dynamic productivity growth, with Magda Kapelko and Alfons Oude Lansink, revise and resubmit, *OMEGA: International Journal of Management Science*.

The impact of inefficiency on diversification, with Alfons Oude Lansink, revise and resubmit, *Journal of Productivity Analysis*.

Investment decisions and dynamic efficiency measurement under uncertainty, with Grigorios Emvalomatis, revise and resubmit, *Econometric Reviews*.

The adjustment-cost model of the firm: duality and productive efficiency, with Elvira Silva and Alfons Oude Lansink, revise and resubmit, *International Journal of Production Economics*.

Endogeneity corrected stochastic frontier estimation, with Apurba Shee, revise and resubmit, *American Journal of Agricultural Economics*.

The analysis of irreversibility, uncertainty and dynamic technical inefficiency on the investment decision in Spanish olive sector, with Fatima Lambarraa, revise and resubmit in *European Review of Agricultural Economics*.

Pesticide use, environmental spillovers and efficiency: A nonparametric risk-adjusted efficiency approach applied to Dutch arable farming, with Theo Skevas and Alfons Oude Lansink, *European Journal of Operational Research*, <http://dx.doi.org/10.1016/j.ejor.2014.01.046>.

Assessing dynamic efficiency of the Spanish construction sector pre- and post-financial crisis, with Magda Kapelko and Alfons Oude Lansink, *European Journal of Operational Research*. <http://dx.doi.org/10.1016/j.ejor.2014.01.047>.

Using ex ante output elicitation to model state-contingent technologies, with Robert G. Chambers and Teresa Serra, *Journal of Productivity Analysis*, DOI 10.1007/s11123-014-0385-z.

Review of *Promoting Growth in All Regions*, by OECD, *European Review of Agricultural Economics*, 2014, 41 (1), 173-175.

Do farms internalize external impacts of pesticides in production?, with Theo Skevas and Alfons Oude Lansink, *Journal of Agricultural Economics*, 2013, 64, 624-640.

Designing the emerging EU pesticide policy: lessons learned, with Theo Skevas and Alfons Oude Lansink, *NJAS-Wageningen Journal of Life Sciences*, 2013, 64-65, 95-103.

Linking investment bursts to total factor productivity growth: evidence from the U.S. food manufacturing sector, with Pinar Celikkol Geylani, *Empirical Economics*, 2013, 45, 157-178.

Measuring technical efficiency in the presence of pesticide spillovers and production uncertainty: the case of Dutch arable farms, with Theo Skevas and Alfons Oude Lansink, *European Journal of Operational Research* 223, 2012, 550-559.

Can economic incentives encourage actual reductions in pesticide use and externalities? with Theo Skevas and Alfons Oude Lansink, *Agricultural Economics*, 43 (2012), 267–276.

An entropy approach to size and variance heterogeneity in U.S. commercial banks, with Lakshmi Balasubramanyan and Jeffrey Stokes, *Journal of Economics and Finance* 36, 2012, 728-749.

Analysis of static and dynamic productivity growth in the Spanish meat processing industry, *The Scientific Journal of Warsaw University of Life Sciences, series Problems of World Agriculture*, 2012, 12(3), 24-36.

Estimation of stochastic frontier models with fixed-effects through Monte Carlo Maximum Likelihood, with Grigorios Emvalomatis and Alfons Oude Lansink, *Journal of Probability and Statistics* vol. 2011, Article ID 568457, 13 pages, 2011. doi:10.1155/2011/568457.

Measurement of dynamic efficiency, a directional distance function parametric approach, with Teresa Serra and Alfons Oude Lansink, *American J of Agricultural Economics* 93 (April 2011), 756-67.

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