

Steven T. Buccola

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Education

<u>Date</u>	<u>Degree</u>	<u>Major</u>	<u>Institution</u>
1976	Ph.D.	Agricultural Economics	U. of California, Davis
1972	M.S.	Agricultural Economics	U. of California, Davis
1966	B.A.	Philosophy (Summa Cum Laude)	St. Mary's College of California

Employment

<u>Date</u>	<u>Position</u>	<u>Institution</u>
1987 - present	Professor	Oregon State University
2000	Lady Davis Fellow	Hebrew University, Israel
1999	Visiting Scholar	Harvard University
1985 - 1986	Visiting Associate Professor	Michigan State University (lecturing at University of Zimbabwe)
1982 - 1984	Associate Professor	Oregon State University
1980 - 1982	Assistant Professor	Oregon State University
1976 - 1980	Assistant Professor	Virginia Tech

Awards

Fellow of the American Agricultural Economics Association (elected 2002)

Outstanding Journal Article, *Review of Agricultural Economics*, 2000 and 2004

Awards to Graduate Students

Monica Fisher Honorable Mention, Ph.D. Dissertation, American Agricultural Economics Association, 2003 [*Dissertation Committee Member*]

Yin Xia Honorable Mention, M.S. Thesis, American Agricultural Economics Association, 2000 [*Dissertation Advisor*]

Jayashree Sil Outstanding M.S. Thesis, Western Agricultural Economics Association, 1992 [*Dissertation Advisor*]

Professional Service

American Agricultural Economics Association

President, 2006 – 2007

President-Elect, 2005 - 2006

Membership Committee, 2004 - 2005

Task Force on Name and External Image
Chair, 2002 - 2003

Essay for the 21st Century Committee
Chair, 1999 - 2002

Board of Directors, 1997 - 2000

Committee on AAEE Governance Structure, 1997

Committee on AAEE Constitution and Bylaws, 1999

Congressional Science Fellow Committee, 1998 - 2000

Nominating Committee, Professional Societies, 1998 - 2000

Professional Activities Committee (Board Representative), 1997 - 2000

Economic Statistics Committee (Board Representative), 1997 - 2000

Resident Instruction Committee (Board Representative), 1997 - 1999

Editor, *American Journal of Agricultural Economics*, 1991 - 1994

Associate Editor, *American Journal of Agricultural Economics*, 1986 - 1991

Awards Committee

Publication of Enduring Quality, 2001 - 2004

Quality of Research Discovery, 1987 - 1990

Outstanding Ph.D. Dissertation, 1980 - 1983, 1997

Selected Papers Committee

Marketing and Price Analysis Coordinator, 1989

Reviewer, 1989, 1994, 1996 - 1998

Western Agricultural Economics Association

Published Research Awards Committee

Chair, 1995 - 1996, 1987 - 1988

Vice President, 1989 - 1990

Committee on Journal Name

Chair, 1989 - 1990

Committee on Status of WAEA Proceedings

Chair, 1989 - 1990

Selected Papers Committee, 1984

Board of Directors, 1983 - 1985

Council Member, 1982 - 1984

European Association of Agricultural Economists

Editorial Consultant, *European Review of Agricultural Economics*, 1994 - 1997

Southern Agricultural Economics Association

Editorial Council, *Southern Journal of Agricultural Economics*, 1977 - 1980

Other Editorial Boards and Review Panels

Associate Editor, *AgbioForum*, 2003 - present

Editorial Board, *Agribusiness: An International Journal*, 1998 - 2005

United States-Israel Binational Agricultural Research and Development Fund (BARD)

Chair, Review Panel, *Agricultural Economics*: 1997 - 1998

External Reviewer, *Agricultural Economics*: 1996 - 1997

National Research Initiative Competitive Grants Program, USDA

Member, Review Panel, *Markets and Trade*: 1999

External Reviewer, *Markets and Trade*: 1993 - 1998

Small Business Innovation Research Program, USDA

External Reviewer: 1993, 1995, 1996

Agricultural Experiment Station, University of Nevada, Reno

Technical Review Committee: 1995

Avinashilingam Institute of Home Science and Higher Education for Women, India

External Reviewer, Ph.D. Dissertations, 1994 – 1998

University Graduate Faculty of Economics, Oregon State University

Chair, 2000 - 2006

Ph.D. Microeconomic Theory Preliminary Examinations Committee,

1982 - 1984, 1992 - 1998, 2002 - present

Seminar Committee, 1997 - 1998

Department of Agricultural and Resource Economics, Oregon State University

Policy and Planning Committee, 2000 - 2004

Undergraduate Committee, 1993 - 1998

Graduate Committee, 1982-1984, 1987 - 1993, 1998 - 1999

Governance Committee, 1981 - 1984, 1990 - 1993, 2003 - 2005

Chair, 1982 - 1984, 1990 - 1991

Courses Taught

<u>Course</u>	<u>Level</u>	<u>Years</u>
Microeconomic Theory: Production and Consumption	Ph.D.	1989 - 1993 2005 - present
Microeconomic Theory: Equilibrium, Information, and Welfare	Ph.D.	1993 – 1998
Microeconomic Theory: Production and Consumption	M.S.	1997 - 2004
Microeconomic Theory: Equilibrium, Information, and Welfare	M.S.	1987 - 1989
Microeconomic Theory	B.S.	2007
Microeconomic Theory: Markets and Consumption	B.S.	1981 - 1984, 1987
Microeconomic Theory: Production	B.S.	1976 - 1978
Agricultural Markets	Ph.D.	1981, 1983, 1984, 1987, 1989, 1992
Agricultural Markets	B.S.	1994 - 1997
Price Analysis and Forecasting	B.S.	1979, 1980, 1985, 1986, 1998 - 2003
Agricultural Trade	B.S.	1985, 1986
Research Methods in Decisions Under Risk	Ph.D.	1977, 1980, 1983 2004
Research Methods in Market Analysis	Ph.D.	1978, 1980
Cooperative Organization	B.S.	1977 - 1979

Papers Under Revision

Ervin, D., S. Buccola, R. Welsh, L. Glenna, H. Yang, W. Lacy, K. Kim, D. Biscotti, E. Minor, K. Clancy, and W. Armbruster. "Industry Support and Scientist Values: Effects of Academic Biotechnology Research."

Buccola, S.T., D. Ervin, and H. Yang. "Research Finance and Choice in University Agricultural Biotechnology."

Buccola, S.T., and R. Fare. "Reaggregation and Firm-Level Inference in Multiplant Technologies."

Cross, R., S.T. Buccola, and E. Thomann. "Toward a Replication-Based Agricultural Contract Pricing Framework."

Xia, Y., S.T. Buccola, and R. Fare. "Science Spillovers and Rates of Return in Biotechnology." Department of Agricultural Economics, University of Missouri, May 2004.

Publications

Journal Articles

Buccola, S.T. "Alternative Productivity Modeling: Reflections on Onofri-Fulginiti, Fare-Grosskopf-Margaritas, and Paris." *Journal of Productivity Analysis*, forthcoming.

Buccola, S.T. "The Organization of Economics." AAEA Presidential Address, *American Journal of Agricultural Economics* 88 (December 2006): 1123 – 1134.

Ruan, J., S.T. Buccola, and D. Pick. "USDA's Trade Adjustment Assistance for Farmers: The Raspberry Industry." *Agribusiness*, forthcoming.

Fisher, M., G. Shively, and S. Buccola. "Activity Choice, Labor Allocation, and Forest Use in Malawi." *Land Economics* 81 (November 2005): 503 – 517.

Xia, Y., and S.T. Buccola. "University Life Science Programs and Agricultural Biotechnology." *American Journal of Agricultural Economics* 87 (February 2005): 229 - 243.

Cross, R., and S.T. Buccola. "Adapting Cooperative Structure to the New Global Environment." *American Journal of Agricultural Economics* 86 (December 2004): 1254 - 1261.

Buccola, S.T., and Y. Xia. "The Rate of Progress in Agricultural Biotechnology." *Review of Agricultural Economics* 26 (Spring 2004): 3 - 18.

- Buccola, S.T. "Rationality, Awe, and the Demand for Biotechnology." *American Journal of Agricultural Economics* 85 (December 2003): 1105 - 1106.
- Xia, Y., and S.T. Buccola. "Factor Use and Productivity Change in the Alcoholic Beverage Industries." *Southern Economic Journal* 70 (July 2003): 93 - 109.
- Alpay, E., S.T. Buccola, and J. Kerkvliet. "Productivity Growth and Environmental Regulation in Mexican and U.S. Food Manufacturing." *American Journal of Agricultural Economics* 84 (November 2002): 887 - 901.
- Xia, Y., and S.T. Buccola. "Size, Cost, and Productivity in the Meat Processing Industries." *Agribusiness* 18 (Summer 2002): 283 - 299.
- Fleischer, A., and S.T. Buccola. "War, Terror, and the Tourism Market in Israel." *Applied Economics* 34 (July 2002): 1335 - 1343.
- Buccola, S., C. Durham, M. Gopinath, and E. Henderson. "Food Manufacturing Cooperatives' Overseas Business Portfolios." *Journal of Agricultural and Resource Economics* 26 (July 2001): 107 - 204.
- Boughanmi, H., and S.T. Buccola. "The Tunisia-EU Free Trade Area: A General Equilibrium Look at Probable Impacts in Tunisia." *Review of Economics, Agriculture, and the Environment (MEDIT)* (December 2000): 2 - 10.
- Buccola, S.T., Y. Fujii, and Y. Xia. "Size and Productivity in the U.S. Milling and Baking Industries." *American Journal of Agricultural Economics* 82 (November 2000): 865 - 880.
- Buccola, S.T. "Materials and Value-Adding Inputs in Manufacturing Enterprises." *Journal of Productivity Analysis* 13 (May 2000): 227 - 243.
- Chan-Kang, C., S.T. Buccola, and J. Kerkvliet. "Investment and Productivity in Canadian and U.S. Food Manufacturing." *Canadian Journal of Agricultural Economics* 47 (1999): 105 - 118.
- Buccola, S.T., and J.E. McCandlish. "Rent Seeking and Rent Dissipation in State Enterprises." *Review of Agricultural Economics* 21 (Fall/Winter 1999): 358 - 373.
- Love, H.A., and S.T. Buccola. "Joint Risk Preference-Technology Estimation With a Primal System: Reply." *American Journal of Agricultural Economics* 81 (February 1999): 245 - 247.
- Buccola, S.T., and L. VanderZanden. "Wine Demand, Price Strategy, and Tax Policy." *Review of Agricultural Economics* (Fall/Winter 1997): 428 - 440.

- Buccola, S.T., and Y. Iizuka. "Hedonic Cost Models and the Pricing of Milk Components." *American Journal of Agricultural Economics* 79 (May 1997): 452 - 462.
- Buccola, S.T., and J. Sil. "Productivity Measurement in the Agricultural Marketing Sector." *American Journal of Agricultural Economics* 78 (December 1996): 1366 - 1371.
- Sil, J., and S.T. Buccola. "Efficiency of the Multiplant, Multiproduct Firm." *American Journal of Agricultural Economics* 77 (November 1995): 1001 - 1011.
- Buccola, S.T., and G.S. Stokstad. "Cooperative Income Allocation in a Multi-Input, Multi-Output Setting." *Journal of Economic Behavior and Organization* 23 (January 1994): 53 - 67.
- Buccola, S.T., and C. Sukume. "Social Welfare of Alternative Controlled-Price Policies." *Review of Economics and Statistics* 75 (1993): 86 - 96.
- Love, H.A., and S.T. Buccola. "Joint Risk Preference-Technology Estimation with a Primal System." *American Journal of Agricultural Economics* 73 (1991): 765 - 774.
- Buccola, S.T. "Entitlements and Distributive Equity in Cooperative Marketing Pools." *Journal of Economic Behavior and Organization* 15 (1991): 257 - 278.
- Buccola, S.T., and C. Sukume, "Regulated-Price and Stock Policies: Interaction Effects and Welfare Preference." *Journal of Development Economics* 35 (1991): 281 - 305.
- Buccola, S.T., J.C. Cornelius, and R.R. Meyersick. "Pool Payment Equity in Agricultural Marketing Cooperatives." *Journal of Agricultural Cooperation* 4 (1989): 29 - 40.
- Buccola, S.T. "Pricing Efficiency in Agricultural Markets: Issues, Methods, and Results." *Western Journal of Agricultural Economics* 14 (July 1989): 111 - 21.
- Buccola, S.T. "Social Welfare and Interpersonal Utility Comparisons in Applied Policy Research." *American Journal of Agricultural Economics* 70 (May 1988): 454 - 58.
- Buccola, S.T., and C. Sukume. "Optimal Grain Pricing and Storage Policy in Controlled Agricultural Economies: Application to Zimbabwe." *World Development* 16 (March 1988): 361 - 71.
- Buccola, S.T., and V. L. Smith. "Uncertainty and Partial Adjustment in Double-Auction Markets." *Journal of Economic Behavior and Organization* 8 (1987): 587 - 601.
- Buccola, S.T., and B.A. McCarl. "Small-Sample Evaluation of Mean-Variance Production Function Estimators." *American Journal of Agricultural Economics* 68 (August 1986): 732 - 38.

- Buccola, S.T. "Testing for Nonnormality in Farm Net Returns." *American Journal of Agricultural Economics* 68 (May 1986): 334 - 43.
- Buccola, S.T. "Pricing Efficiency in Centralized and Noncentralized Markets." *American Journal of Agricultural Economics* 67 (August 1985): 583 - 90.
- Buccola, S.T., and A. Subaei. "Optimal Market Pools for Agricultural Cooperatives." *American Journal of Agricultural Economics* 67 (February 1985): 70 - 80.
- Buccola, S.T., and A. Subaei. "Mean-Gini Analysis, Stochastic Efficiency, and Weak Risk Aversion." *Australian Journal of Agricultural Economics* 28 (August/December 1984): 77 - 86.
- Buccola, S.T. "Pricing Efficiency and Information Use in Risky Markets." *American Journal of Agricultural Economics* 66 (December 1984): 711 - 716.
- Sandrey, R.A., S.T. Buccola, and W.G. Brown. "Pricing Policies for Antlerless Elk Hunting Permits." *Land Economics* 59 (November 1983): 432 - 43.
- Buccola, S.T. "Risk Preferences and Short-Run Pricing Efficiency." *American Journal of Agricultural Economics* 65 (August 1983): 587 - 91.
- Buccola, S.T. "Minimizing Mean Absolute Deviations to Exactly Solve Expected Utility Problems: Comment." *American Journal of Agricultural Economics* 64 (November 1982): 789 - 91.
- Buccola, S.T. "Portfolio Selection Under Exponential and Quadratic Utility." *Western Journal of Agricultural Economics* 7 (July 1982): 43 - 51.
- Baum, K., S.T. Buccola, and P. Fisher. "Implications of Feeder Pig Price Variability in Virginia Tele-Auction Markets." *Southern Journal of Agricultural Economics* 14 (July 1982): 97 - 103.
- Buccola, S.T. "Price Trends at Livestock Auctions." *American Journal of Agricultural Economics* 64 (February 1982): 63 - 69.
- Buccola, S.T. "Specification of Bernoullian Utility Function in Decision Analysis: Comment." *Agricultural Economics Research* 34 (January 1982): 19 - 21.
- Buccola, S.T., and A.M. Chieruzzi. "Costs of Marketing Slaughter Cattle: Computerized Versus Conventional Systems." *Agricultural Economics Research* 33 (July 1981): 31 - 35.
- Buccola, S.T. "The Supply and Demand of Marketing Contracts Under Risk." *American Journal of Agricultural Economics* 63 (August 1981): 503 - 09.

- Buccola, S.T., E. Bentley, and W.B. Jessee. "The Role of Market Price-Weight Relationships in Optimal Beef Cattle Backgrounding Programs." *Southern Journal of Agricultural Economics* 12 (July 1980): 65 - 72.
- Buccola, S.T. "An Approach to the Analysis of Feeder Cattle Price Differentials" *American Journal of Agricultural Economics* 62 (August 1980): 574 - 80.
- Orden, D., and S.T. Buccola. "An Evaluation of Cooperative Extension Small-Farm Programs in the Southern United States." *American Journal of Agricultural Economics* 62 (May 1980): 218 - 23.
- Edwards, P.K., D. Orden, and S.T. Buccola. "Evaluating the Impact of Federal Human Service Programs with Locally Differentiated Constituencies." *Journal of Applied Behavioral Science* 16 (February 1980): 13 - 27.
- Buccola, S.T., and L.M. Polishuk. "Cost Structures in Livestock Auction Markets: Average Versus Optimal Efficiency." *Journal of the Northeastern Agricultural Economics Council* 8 (October 1979): 211 - 19.
- Buccola, S.T., and B.C. French. "Long-Term Marketing Contracts: Intra-Firm Optima and Inter-Firm Agreement." *American Journal of Agricultural Economics* 61 (November 1979): 648 - 56.
- Buccola, S.T. and D.L. Jessee. "A U.S. Regional Model of Feeder Steer-Heifer Price Differentials." *Southern Journal of Agricultural Economics* 11 (July 1979): 61 - 65.
- Buccola, S.T., and M.C. Conner. "Least-Cost Milk Assembly and Manufacturing Plant Locations for the Northeastern Dairy Industry." *Journal of the Northeastern Agricultural Economics Council* 8 (April 1979): 6 - 12.
- Buccola, S.T., and B.C. French. "Estimating Exponential Utility Functions." *Agricultural Economics Research* 30 (January 1978): 37 - 43.
- Buccola, S.T., and B.C. French. "An E-V Analysis of Pricing Alternatives for Long-Term Marketing Contracts." *Southern Journal of Agricultural Economics* 9 (December 1977): 17 - 23.

Book Chapters and Proceedings

- Buccola, S.T., and Y. Xia. "The Strength and Structure of Intellectual Bio-Property Markets." *Seeds of Change: Intellectual Property Protection for Agricultural Biotechnology*, ed. Jay Kesan, University of Illinois, CABI/Oxford Publishers, forthcoming 2006.
- Fleischer, A., and S.T. Buccola. "War, Terror, and the Tourism Market in Israel." In *Tourism, Security, and Safety: From Theory to Practice*, Y. Mansfeld and A. Pizam, eds., Burlington, MA: Butterworth, Heinemann (Elsevier), 2005. (Reprinted from *Applied Economics* 34 (July 2002): 1335 - 1343.)
- Buccola, S. T. "Potential Roles for Marketing and Bargaining Cooperatives in the Pollock Fishery." *IIFET 2000: Microbehavior and Macroresults. Proceedings of a Conference, International Institute of Fisheries Economics and Trade*, Oregon State University, 2000.
- Buccola, S. T. "Agricultural and Resource Economics in Rural America," in *Encyclopedia of Rural America*, ed. G. A. Goreham. Santa Barbara: ABC-CLIO Publishers, 1997.
- Buccola, S. T. "Cooperatives," in the *Encyclopedia of Agricultural Science*, ed. C.J. Arntzen. San Diego: Academic Press (Harcourt, Brace, Jovanovich), October 1994.
- Love, H.A., and S.T. Buccola. "Optimization Analysis of Public Food Stocks," in *Food Security and Food Inventories in Developing Countries*, eds. P. Berck and D. Bigman, Wallingford, UK: CAB International, 1993.
- Buccola, S.T., and G.S. Stokstad. "Cooperative Income Allocation in the Presence of Multiple Products." in C. Csaki and Y. Kislev (editors), *Agricultural Cooperatives in Transition*, Boulder, CO: Westview Press, 1993.
- Love, H.A., and S.T. Buccola. "Risk Aversion, Input Use, and Heteroskedastic Supply." *Proceedings of the S-232 Conference on Quantifying Long Run Agricultural Risks and Evaluating Farmer Responses to Risk*, April 1989.
- Cornelius, J., R. Meyersick, and S.T. Buccola. "Forecasting Net Returns of Processed Vegetables." *Proceedings of the NCR-134 Conference on Applied Commodity Price Analysis and Forecasting, and Market Risk Management*, April 1988; 202-212.
- Buccola, S. T. "Characterizing Probability Distributions for Farm Prices, Yields, and Net Returns." *Proceedings of the Conference on Applied Commodity Price Analysis and Forecasting*, NCR-134, April 26-27, 1984.
- Buccola, S.T. "Characterizing Probability Distributions of Farm Prices, Yields, and Net Returns." *Proceedings of the NCR-134 Conference on Applied Commodity Price Analysis and Forecasting*, April 1984, pp. 112-34.

Buccola, S.T. "Pooling Net Returns in Horticultural Marketing Cooperatives." *Proceedings of the 98th Annual Meeting of the Oregon Horticultural Society*, January 1-February 2, 1984, pp. 237-8.

Buccola, S.T. *A Marketing Research Plan for the Michigan State University Eastern ORD Project, Upper Volta*. AID/afr-C-1314, Project No. 686-11-110-201, Integrated Rural Development, Upper Volta (West Africa), July 1979, 48 pages.

Buccola, S.T., and J.M. McCandlish. *The Coffee Industry in Northern Malawi: Report and Recommendations to the Farmers Marketing Board*. Mzuzu, Malawi (Central Africa), January 1969, 27 pages.

Book Reviews

Buccola, S.T. Review of *Genetically Modified Organisms in Agriculture: Economics and Politics*, by Gerald C. Nelson. (San Diego: Academic Press, 2001, 344 pp.) *American Journal of Agricultural Economics* (November 2002): 1177 - 1178.

Buccola, S.T. Review of *Foodgrain Price Stabilization in Developing Countries: Issues and Experiences in Asia*, by N. Islam and S. Thomas (Washington, DC: Food Policy Research Institute, Food Policy Review No. 3, 1996, viii + 136 pp.) *American Journal of Agricultural Economics* 79 (February 1997): 278 - 279.

Buccola, S.T. Review of *Introduction to Agricultural Marketing*, by R.E. Branson and D.G. Norvell (New York: McGraw-Hill, 1983, xx + 521 pp.). *American Journal of Agricultural Economics* 65 (December 1983): 837 - 38.

Publications for Lay Audiences

Buccola, S., and M. Gopinath. "Demand, Supply, and Trade: National and Northwest Raspberries, Blueberries, Strawberries, Sweet Corn, and Snap Beans," Agricultural Marketing Resource Center, University of California-Agricultural Issues Center, 2004. <http://www.agmrc.org/fruits/info/berriesbeans04.pdf> (electronic publication).

Xia, Y., S.T. Buccola, and R. Fare. "Bioscience and Biotechnology." *CHOICES*, "Graphically Speaking," 3rd Quarter, 2002.

Lyon, C., C. Durham, C., and S. Buccola. "The Big Apple: New Products, Added Plant Capacity Play Major Role in Tree Top's Sales Strategy." *Rural Cooperatives* 69 (2), 8 - 14, March/April 2002 (Rural Business-Cooperatives Service, USDA, Washington, D.C.).

- Buccola, S.T., and Y. Fujii. "Should a Wheat Grower Focus on Marketing or Production?" First Annual Wheat Policy Lecture, Oregon Wheat Growers League, photocopy, December 1998.
- Buccola, S.T., and J. Sil. "Can Vegetable Processors Respond to Changing Labor and Energy Situations?" *Oregon Farmer-Stockman*, November 1991.
- Buccola, S.T., and J.C. Cornelius. "Cooperative Marketing Pools: Grower Payment Formulae are Flexible and Important." *Oregon Farmer-Stockman*, August 1988, P. 10. (Also published in *Farmer Cooperatives* (ACS, USDA, March 1989, pp. 7-9) under the title "Flexible Grower Payment Formulae Important for Co-op Marketing Pools" by S. T. Buccola and J. C. Cornelius.
- Buccola, S.T., and A. Subaei. *Design and Selection of Cooperative Market Pools*. Oregon Agricultural Experiment Station Bulletin No. 660, 18 pages, September 1983.
- Buccola, S.T. *Pooling Practices in Fruit, Vegetable, and Nut Processing Cooperatives*. Oregon Agricultural Experiment Station Bulletin No. 657, 29 pages, October 1982.
- Buccola, S.T., and B.C. French. *Portfolio Analysis of Contracting Strategies for Farmer Marketing Cooperatives*. Oregon Agricultural Experiment Station Bulletin No. 655, 29 pages, December 1981.
- Chieruzzi, A.M., and S.T. Buccola. *The Costs of Marketing Slaughter Cattle by Computerized and Conventional Auction Systems*. Agricultural Experiment Station Bulletin No. 81-1, Virginia Polytechnic Institute and State University, 60 pages, June 1981.
- Buccola, S.T., and F.M. Carmichael. *Feeder Cattle Price Differentials: An Analysis by Animal Characteristic*. Research Division Bulletin No. 158, Virginia Polytechnic Institute and State University, 53 pages, September 1980.
- Orden, D., S.T. Buccola, and P.K. Edwards. *Cooperative Extension Small-Farm Programs in the South: An Inventory and Evaluation*. Research Division Bulletin No. 153, Virginia Polytechnic Institute and State University, 86 pages, April 1980.
- Buccola, S.T. *Market Contracting for Producers and Processors of Fruits and Vegetables* Extension Report MB 283, Department of Agricultural Economics, Virginia Polytechnic Institute and State University, 10 pages, April 1980.
- Orden, D., and S.T. Buccola. *Cooperative Extension Service: Helping Small-Farm Operators in the South*. Extension Division Publication 851, Virginia Polytechnic Institute and State University, 20 pages, January 1980.

- Buccola, S.T., and L.M. Polishuk. *The Livestock Auction Industry in Virginia: Facilities, Operating Efficiency, and Returns*. Agricultural Economics Research Report A.E. 324, Virginia Polytechnic Institute and State University, 56 pages, December 1979.
- Jessee, W.B., and S.T. Buccola. *A Profit-Maximum Management Model for Beef Cattle Backgrounding and Grazing Operations*. Research Division Bulletin No. 156, Virginia Polytechnic Institute and State University, 71 pages, December 1979.
- Buccola, S.T. "A Look at Price Differences Between Feeder Steers and Heifers." *Virginia Cattleman* 1 (September 1979): p. 25 and p. 22.
- Buccola, S.T., and M.C. Conner. *Potential Efficiencies Through Coordination of Milk Assembly and Milk Manufacturing Plant Location in the Northeastern United States*. Research Division Bulletin No. 149, Virginia Polytechnic Institute and State University, 64 pages, June 1979.
- Buccola, S.T., and J.C. Richardson. *A Quarterly Model of Import Demand for North American Flue-Cured Tobacco*. Research Division Bulletin No. 147, Virginia Polytechnic Institute and State University, 56 pages, June 1979.
- Buccola, S.T., and M.C. Conner. "Research Studies Look at Least-Cost Milk Assembly and Manufacturing Locations." *Virginia Dairyman* (January 1979): 22-23.
- Buccola, S.T., and B.C. French. *Long-Term Contracting Strategies for Agricultural Processing Firms with Particular Reference to Farmer Cooperatives*. Giannini Foundation Research Report No. 328, University of California, 177 pages, December 1978.
- Jessee, D.L., and S.T. Buccola. *A Regional Analysis of Price Differentials Between Feeder Steers and Heifers*. Research Division Bulletin No. 140, Virginia Polytechnic Institute and State University, 73 pages, December 1978.
- Polishuk, L.M., and S.T. Buccola. *Operating Costs at Virginia Livestock Auction Markets: Statistical and Synthetic Analyses*. Research Division Bulletin No. 138, Virginia Polytechnic Institute and State University, 67 pages, December 1978.
- Buccola, S.T. "The Cattle Cycle and Feeder Cattle Price Differentials" *Virginia Agricultural Economics* 293 (August 1978): 1-2.
- Silverman, M.M., C.W. Coale, Jr., S.T. Buccola, J. Havlicek, Jr., B.F. Long, J.S. Williams, and P.S. Cooper. *Feasibility Study of a Seafood Industrial Port for Virginia*. Agricultural Economics Research Report A.E. 32, Virginia Polytechnic Institute and State University, 142 pages, November 1977.

Papers Delivered at Professional Meetings

- Buccola, S.T. “The Organization of Economics.” Presidential Address delivered at the American Agricultural Economics Association Annual Meetings, Long Beach, CA, July 23 – 26, 2006.
- Min, H., M. Gopinath, and S. Buccola. “Rent-Seeking in Noxious Weed Regulations: Evidence from U.S. States.” Selected paper delivered at the American Agricultural Economics Association Annual Meetings, Long Beach, CA, July 23 – 26, 2006.
- Wang, C., Y. Xia, and S. Buccola. “Public Investment Policy in Life-Science Research.” Selected paper delivered at the American Agricultural Economics Association Annual Meetings, Long Beach, CA, July 23 – 26, 2006.
- Ruan, J., M. Gopinath, and S. Buccola. “Welfare Effects of Technological Convergence in the Food Industries.” Selected paper delivered at the American Agricultural Economics Association Annual Meetings, July 23 – 26, 2006.
- Ervin, D., S.T. Buccola, and H. Yang. “Academic Research Finance and Choice in Agricultural Biotechnology.” Influence of Industry Support and Other Factors.” Plenary presentation at the International Consortium on Agricultural Biotechnology Research (ICABR), Tenth International Conference, June 29 – July 2, 2006.
- Ervin, D., S. Buccola and H. Yang. “Research Finance and Choice in Agricultural Biotechnology: Influence of Industry Support, Professional Values, and Other Factors.” Presented at the conference on *Agricultural Biotechnology Research for Public Goods and Private Goods: The Roles of University-Industry Relationships*. Washington, DC, May 1, 2006.
- Yang, H., S.T. Buccola, and D. Ervin. “Science and Commerce: University-Industry Relations in Biotechnology.” Presentation delivered in an organized symposium at the American Agricultural Economics Association Annual Meetings, Providence, R.I., July 24 – 27, 2005.
- Buccola, S.T. “Alternative Productivity Modeling: Reflections on Onofri-Fulginiti, Fare-Grosskopf-Margaritas, and Paris.” Presentation delivered at the Ninth European Workshop in Efficiency and Productivity Analysis, Brussels, June 29 – July 2, 2005.
- Yang, H., S.T. Buccola, D. Ervin, K. Kim, and E. Minor. “University-Industry Relationships and the Biotechnology Research Agenda.” Presentation delivered at the Conference on Innovation and Dynamic Efficiency in Agricultural Biotechnology, Economic Research Service and CSREES, USDA, Washington, D.C., October 14 - 15, 2004.
- Buccola, S.T., J. Ruan, and D. Pick. “The U.S. Red Raspberry Industry and USDA’s Trade Adjustment Assistance for Farmers.” Seminar delivered in the Special Crops Branch,

- Markets and Trade Economics Division, Economic Research Service, USDA, Washington, D.C, October 15, 2004.
- Cross, R, and S.T. Buccola. “Adapting Cooperative Structure to the New Global Environment.” Principal paper delivered at the American Agricultural Economics Association Annual Meetings, Denver, CO, August 1 - 4, 2004.
- Buccola, S.T., and R. Cross. “Contrasting Structures: Cooperative Advantage in Illiquid Markets.” Presentation delivered at the Workshop on Agricultural and Food Cooperatives in Rural Development: Implications of Business Dynamics for Public Policy. ERS, USDA, Washington, DC., July 16 - 17, 2004.
- Buccola, S.T., and Y. Xia. “The Strength and Structure of Intellectual Bio-Property Markets.” Paper delivered at the Symposium on Intellectual Property Protection for Agricultural Biotechnology,” University of Illinois - Urbana Champaign, April 8 - 10, 2004.
- Buccola, S.T. “Rationality, Awe, and the Demand for Biotechnology.” Fellows’ Panel Address delivered at the American Agricultural Economics Association Annual Meetings, Montreal, Quebec, July 27 - 30, 2003.
- Yang, H., and S.T. Buccola. “University-Industry Relationships and the Design of Biotechnology Research.” Selected paper delivered at the American Agricultural Economics Association Annual Meetings, Montreal, Quebec, July 27 - 30, 2003.
- Cross, R., and S.T. Buccola. “Food Manufacturing Cooperatives Under Stress: Licit and Illicit Behavior.” Symposium presentation delivered at the American Agricultural Economics Association Annual Meetings, Montreal, Quebec, July 27 - 30, 2003.
- Buccola, S.T. “University-Industry Relationships in Agricultural Biotechnology: Research Insights from Four Cases.” Panelist, Rural Sociological Association Annual Meetings, Montreal, Quebec, July 27 - 30, 2003.
- Xia, Y., and S.T. Buccola. “The Rate of Progress in Agricultural Biotechnology.” Paper delivered at Regional Research Conference NC 1003, New Brunswick, NJ, February 28 – March 1, 2003.
- Buccola, S.T., Y. Xia, and T. Lomax. “Information Pathways in Biotechnological Innovation: The Research Demand for Intellectual Property.” Invited paper presented at the Western Agricultural Economics Association Annual Meetings, Long Beach, CA, July 28 - 31, 2002.
- Buccola, S.T. “Productivity Growth When Output is Risky.” Paper delivered at the North American Productivity Workshop, Union College, NY, June 20 - 22, 2002.

- Fisher, M., G. Shively, and S.T. Buccola. "Activity Choice, Labor Allocation, and Forest Use in Malawi." Paper presented at the 2nd World Congress of Environmental and Resource Economists, Monterey, California, June 24 - 27, 2002.
- Xia, Y., and S.T. Buccola. "Are Basic Science and Biotechnology Complementary Activities?" Selected paper presented at the American Agricultural Economics Association Annual Meetings, Chicago, August 6 - 8, 2001.
- Xia, Y., and S.T. Buccola. "Technological Performance in Meat Processing and Implications for Policy." Selected paper presented at the American Agricultural Economics Association Annual Meetings, Tampa, August 1, 2000.
- Chan-Kang, C., and S.T. Buccola. "R&D Investment and Productivity Growth in U.S. and Canadian Food Manufacturing." Selected paper presented at the American Agricultural Economics Association Annual Meetings, Salt Lake City, August 2 - 5, 1998.
- Ahmed, R., and S.T. Buccola. Organizers: Agricultural Market Liberalization in Africa. Series of three minisymposia presented at the International Association of Agricultural Economists triennial meetings, Sacramento, CA, August 10 - 16, 1997.
- Buccola, S.T. "Bureaucratic Decision-Making in Agricultural Marketing Boards (A Short Tour of Coffee Marketing Reform in Malawi)." Symposium paper presented at the International Association of Agricultural Economists triennial meetings, Sacramento, CA, August 10 - 16, 1997.
- Buccola, S.T. and L. VanderZanden. "The Demand for Wines: Variety and Region Effects." Selected paper presented at the Western Agricultural Economics Association Annual Meetings, Reno, NV, July 13 - 16, 1997.
- Buccola, S.T., and J. Sil. "Productivity Measurement in the Agricultural Marketing Sector." Principal paper presented at the American Agricultural Economics Association Annual Meetings, San Antonio, July 28 - 31, 1996.
- Buccola, S.T., and Y. Iizuka. "Producer Response to Milk Price Reform." Selected paper presented at the American Agricultural Economics Association Annual Meetings, San Antonio, July 28 - 31, 1996.
- Sil, J., and S.T. Buccola. "Efficiency of the Multi-Plant, Multi-Product Cooperative." Selected paper presented at the American Agricultural Economics Association Annual Meetings, San Diego, August 7-10, 1994.
- Buccola, S.T. "Allocating Cooperative Returns When Member Contributions are Commingled." Presented at the Symposium on the Cooperative Experience in Agriculture: International Comparisons, Ma'ale Hachamisha, Israel, April 12-16, 1992.

- Buccola, S.T. "Symposium Summary Lecture." Presented at the Symposium on the Cooperative Experience in Agriculture: International Comparisons, Ma'ale Hachamisha, Israel, April 12-16, 1992.
- Love, H.A., and S.T. Buccola. "Time Inconsistency and Rational Expectations Equilibrium in Public Stock Holding." Selected paper presented at the Western Agricultural Economics Association Annual Meetings, July 1991.
- Buccola, S.T. "Public Grain Inventories: Research Issues for Africa and Regulated-Price Environments." Presented at Workshop on Inventory Problems in Developing Countries, Lake Balaton, Hungary, September 20-23, 1989.
- Love, H.A., and S.T. Buccola, "Risk Aversion, Input Use, and Heteroskedastic Supply." Presented at S-232 Conference on Quantifying Long Run Agricultural Risks and Evaluating Farmer Responses to Risk, Fort Myers, FL, April 1989.
- Buccola, S.T. "Pricing Efficiency in Agricultural Markets: Issues, Methods, and Results," Invited paper presented at Western Agricultural Economics Association Annual Meetings, Honolulu, July 1988.
- Cornelius, J., R. Meyersick, and S.T. Buccola. "Forecasting Net Returns of Processed Vegetables." Presented at NCR-134 Conference on Applied Commodity Price Analysis, Forecasting, and Market Risk Management, April 1988.
- Buccola, S.T. "Social Welfare and Interpersonal Utility Comparisons in Applied Policy Research." Invited Paper presented at Allied Social Sciences Association Annual Meetings, December 1987.
- Kandoole, B.F., B. Kaluwa, and S.T. Buccola. "Market Liberalization and Food Security in Malawi." Presented at the Third Annual Conference on Food Security Research in Southern Africa, Harare, Zimbabwe, November 3, 1987.
- Buccola, S.T., and C. Sukume. "Pricing and Storage Decisions in Government Grain Marketing Boards." Selected paper presented at the American Agricultural Economics Association Annual Meetings, Michigan State University, August 2-5, 1987.
- Buccola, S.T. "Social Impacts of Maize Price and Storage Policy Adjustment in Zimbabwe." Presented at the Second Annual Conference on Food Security Research in Southern Africa, Harare, Zimbabwe, November 10, 1986.
- Buccola, S.T. "A Strategy for Research on Grain Pricing and Storage Policies in Southern Africa." Presented at the First Annual Conference on Food Security Research in Southern Africa, Harare, Zimbabwe, December 8, 1985.

- Buccola, S.T. "Pricing Efficiency and Information Use in Risky Markets." Invited paper presented at American Agricultural Economics Association Annual Meetings, Cornell University, August 1984.
- Buccola, S.T. "Optimal Market Pools and Cooperative Income Distribution Policy." Selected paper presented at the American Agricultural Economics Association Annual Meetings, Purdue University, August 1, 1983.
- Fisher, P., K. Baum, and S.T. Buccola. "An Economic Analysis of Feeder Pig Price Formation in Virginia." Selected paper presented at the Southern Agricultural Economics Association Annual Meetings, Atlanta, February 2, 1981.
- Buccola, S.T. "Supply and Demand Considerations of Agribusiness Marketing Portfolios." Selected paper presented at the American Agricultural Economics Association Annual Meetings, University of Illinois, July 28-30, 1980.
- Fisher, P., K. Baum, and S.T. Buccola. "An Investigation of Feeder Pig Price Formation in Virginia." Presented at the Virginia Academy of Science Annual Meetings, Charlottesville, May 15, 1980.
- Orden, D., and S.T. Buccola. "An Evaluation of Southern Cooperative Extension Programs Aimed at Small and Part-Time Farmers." Selected paper presented at the American Agricultural Economics Association Annual Meetings, Washington State University, July 29-August 1, 1979.
- Buccola, S.T. and W.B. Jessee. "The Role of Market Price-Weight Relationships in Optimal Beef Cattle Management Models." Selected paper presented at the American Agricultural Economics Association Annual Meetings, Washington State University, July 29 - August 1, 1979.
- Buccola, S.T., and L.M. Polishuk. "Short Run and Long Run Cost Structures in Livestock Auction Markets: Average Versus Optimal Efficiency." Selected paper presented at the Northeastern Agricultural Economics Council Annual Meetings, University of Delaware, June 18-20, 1979.
- Edwards, P.K., D. Orden, and S.T. Buccola. "Evaluating the Impact of Federal Human Service Programs with Locally Differentiated Constituencies." Presented at the Pacific Sociological Association Annual Meetings, Anaheim, California, April 4-6, 1979.
- Buccola, S.T., and D.L. Jessee. "A U.S. Regional Model of Feeder Steer-Heifer Price Differentials." Selected paper presented at the Southern Agricultural Economics Association Annual Meetings, New Orleans, February 5-7, 1979.

Buccola, S.T. "Weight, Sex, and Feeder Cattle Price Differentials: A Theoretical and Empirical Analysis." Selected paper presented at the American Agricultural Economics Association Annual Meetings, Virginia Polytechnic Institute and State University, August 7-9, 1978.

Buccola, S.T. "Procedures for Estimating Exponential Utility Functions." Selected paper presented at the American Agricultural Economics Association Annual Meetings, San Diego, California, August 1-3, 1977.

Buccola, S.T., and B.C. French. "Efficiency Analysis of Pricing Alternative for Long-Term Contracts." Selected paper presented at the American Agricultural Economics Association Annual Meetings, Pennsylvania State University, August 15-18, 1976.

Seminars Delivered to Professional Audiences

- Ervin, D., S.T. Buccola, and H. Yang. "Sources of Influence on University Agricultural Biotechnology Research." Seminar delivered in the Department of Economics, Portland State University, October 21, 2005.
- Buccola, S.T., and R. Cross. "Summary Remarks on the Future of Cooperatives in a Competitive World Economy." Panel discussant in the session, "The Future of Cooperatives in the Globalized World: Interdisciplinary Perspectives on New Challenges," American Anthropological Association Annual Meetings, Chicago, November 19 - 21, 2003.
- Buccola, S.T., and Y. Xia. "Science and Technology in Cutting-Edge Agricultural Biotechnology Research." Seminar delivered in the Department of Agricultural and Applied Economics, University of Wisconsin-Madison, November 8, 2002.
- Xia, Y., and S.T. Buccola. "Universities' Impacts on Agricultural Biotechnology Innovations." Seminar delivered at the China Center for Economic Research, Beijing University, China, September 8, 2000.
- Buccola, S.T., and Y. Xia. "Universities' Impacts on Agricultural Biotechnology Innovations." Seminar delivered at the Hebrew University of Jerusalem, Rehovot, Israel, March 19, 2000.
- Buccola, S.T., Y. Fujii, and Y. Xia. "Productivity Growth in the Grain and Meat Processing Industries." Seminar delivered in the Department of Agricultural Economics, University of Connecticut, November 3, 1999.
- Buccola, S.T., Y. Fujii, and Y. Xia. "The Structure of Technology in Grain Processing." Seminar delivered in the Department of Agricultural Economics, Pennsylvania State University, September 24, 1999.
- Buccola, S.T. "Market Liberalization and Rent-Seeking in Africa: A First-Hand Experience." Seminar delivered in the Department of Agricultural Economics, Michigan State University, October 24, 1996.
- Buccola, S.T. "Hedonic Cost Models and the Pricing of Milk Components." Seminar delivered in the Department of Agricultural and Resource Economics, Oregon State University, February 26, 1996.
- Buccola, S.T. "Hedonic Cost Models and the Pricing of Milk Components." Seminar delivered in the Department of Agricultural Economics, University of Nevada, Reno, December 4, 1995.

Buccola, S.T. "Raw Material Pricing When There are Multiple Products." Seminar delivered in the Department of Agricultural Economics, University of California, Davis, March 1995.

Buccola, S.T., and J. Sil. "Efficiency of the Multiplant, Multiproduct Firm." Seminar delivered in the Department of Agricultural Economics, Texas A & M University, January 1994.

Buccola, S.T. "The *American Journal of Agricultural Economics*: What Should We Write and What Should We Publish?" Seminar delivered in the Department of Agricultural and Resource Economics, North Carolina State University, January 1993.

Buccola, S.T. "The *American Journal of Agricultural Economics*: What Should We Write and What Should We Publish?" Seminar delivered in the Department of Agricultural Economics, Cornell University, January 1993.

Buccola, S.T. "The *American Journal of Agricultural Economics*: What Should We Write and What Should We Publish?" Seminar delivered in the Department of Agricultural Economics, Michigan State University, November 1992.

Buccola, S.T. "The *American Journal of Agricultural Economics*: What Should We Write and What Should We Publish?" Seminar delivered in the Department of Agricultural Economics, Kansas State University, March 1991.

Buccola, S.T. "Topics in Applied Econometrics." Series of eight seminars presented to faculty members in Department of Agricultural Economics and Extension, University of Zimbabwe, July-August 1986.

Talks Delivered to Lay Audiences

Buccola, S.T., and Y. Fujii. "Should a Wheat Grower Focus on Marketing or Production?" First Annual Wheat Policy Lecture, Oregon Wheat Growers League Annual Convention, Portland, OR, December 1, 1998.

Buccola, S.T. "The Value of Pacific Coast Wines: Regional and Varietal Competition." Talk delivered to the Oregon Society of Farm Managers and Rural Appraisers, McMinnville, OR, October 22, 1998.

Buccola, S.T. "History and Culture of Malawi." Talk delivered to 10th Grade Honors Social Science Class, Crescent Valley High School, Corvallis, OR, December 12, 1997.

Buccola, S.T. "The Passion of Kierkegaard: Taking Abraham and Aristotle Seriously." Third Annual Brother Robert Smith Lecture, Saint Mary's of College of California, 4 October 1997.

- Buccola, S.T., and L. VanderZanden. "Oregon Consumer Demand for Oregon, California, and Washington Wines." Paper delivered at Oregon State University Wine Grape Research Day, Eugene, February 27, 1997.
- Buccola, S.T. "History and Culture of Southern Africa." Talk delivered to 10th Grade Honors Social Science Class, Crescent Valley High School, Corvallis, OR, October 18, 1996.
- Buccola, S.T. Grape Marketing Seminar participant, Oregon Winegrowers' Association Annual Meeting, Eugene, Oregon, February 11, 1996.
- Buccola, S.T. "Tradeoffs in the Pursuit of Food Security in Less Developed Countries." Presented to Master's students in Food Science, University of Zimbabwe, August 10, 1985.
- Buccola, S.T. "Methods for Estimating Yield Variance in Experimental Trials." Presented to the Departments of Crop Science and Animal Science, University of Zimbabwe, May 8, 1985.
- Buccola, S.T. "Performance of Alternative Pooling Plans in a Diversified Agricultural Marketing Cooperative: Presented to Margin Committee, Board of Directors, Agripac, Inc., Salem, OR, May 24, 1984.
- Buccola, S.T., and P.K. Edwards. "Implications of an Evaluation of Cooperative Extension Small-Farm Programs in the South." Presented to the Rural Development Division, Agency for International Development, Department of State, Washington, DC, March 14, 1980.
- Conner, M.C., and S.T. Buccola. "Results of a Study on Optimal Milk Assembly and Milk Manufacturing in the Northeast." Presented to the Coordinating Committee, Northeastern Dairy Marketing Cooperatives, Albany, NY, May 11, 1979.
- Buccola, S.T. "Virginia's Livestock Auction Industry: Operating Efficiency and Returns." Presented to the Virginia Livestock Markets Association, 1979 Virginia Beef Industry Convention, Roanoke, February 2, 1979.
- Buccola, S.T. "The Role of Marketing Contracts in Reducing Entrepreneurial Risk." Presented to undergraduates in the Department of Marketing, Massey University, New Zealand, March 1978.