

Robert G. Chambers

Department of Agricultural and Resource Economics
2200 Symons Hall
University of Maryland
College Park, MD 20742

Professional Experience

Assistant Professor (1979-83), Associate Professor (1983-85), Professor(1985-) of Agricultural and Resource Economics, University of Maryland, College Park, Maryland.

Chair, Department of Agricultural and Resource Economics, University of Maryland (1995-2000, 2000-13).

Honorary Professor, School of Economics, University of Queensland (2014-2021)

Professeur Invité, Université de Perpignan, Perpignan, France (2004,2006-12).

Adjunct Professor of Agricultural and Resource Economics, School of Agricultural Economics, University of Western Australia, Crawley, Western Australia (2000-2006, 2009-15)

Senior Staff Economist, Council of Economic Advisers, Executive Office of the President, Washington, D.C. (1985 – 1986)

Visiting Associate Professor, Department of Agricultural and Resource Economics, Oregon State University, Corvallis, Oregon. Winter 1983

Assistant Professor, The Ohio State University (1978-1979)

Education

Georgetown University	S.B.R.E.	1972
University of Maryland	M.S.	1975
University of California, Berkeley	Ph.D.	1979

Honors and Awards

Fellow, Agricultural and Applied Economics Association (formerly American Agricultural Economics Association), 1999.

Quality of Research Discovery Award, European Association of Agricultural Economists, 2011 (joint with Christopher O'Donnell and John Quiggin).

SCOR/IDEI Award for best paper published in Geneva Review of Insurance and Risk (2010) (joint with John Quiggin)

Paul R. Poffenberger Excellence in Teaching and Advising Award, College of Agriculture and Natural Resources, University of Maryland, 2010.

Excellence in Instruction Award, College of Agriculture and Natural Resources Alumni Association, 2010.

Quality of Research Discovery Award, Honorable Mention (*Uncertainty, Production, Choice, and Agency: The State-Contingent Approach*), American Agricultural Economics Association, 2001, with John Quiggin.

Publication of Enduring Quality Award (*Applied Production Analysis: A Dual Approach*), American Agricultural Economics Association, 1999.

Dean Gordon Cairns Award for Outstanding Contributions to Maryland Agriculture, College of Agriculture and Natural Resources, 1999.

Excellence in Teaching Award, College of Agriculture, Alumni Association, 1998.

Quality of Research Discovery Award, Honorable Mention, ("Nonpoint-Source Pollution as a Multi-Task Principal-Agent Problem") American Agricultural Economics Association, 1997, with John Quiggin.

Faculty Excellence Award for Research, Colleges of Agriculture and Life Sciences, University of Maryland, College Park, 1993.

Excellence in Research Award, Alumni Association, College of Agriculture, University of Maryland, College Park, 1992.

Quality of Research Discovery Award ("Estimating Multioutput Technologies"), American Agricultural Economics Association, 1990, with Richard E. Just.

Quality of Research Discovery Award ("Agricultural and Financial Market Interdependence in the Short Run"), American Agricultural Economics Association, 1985.

Certificate of Recognition, Annual Honors Convocation, University of Maryland, 1986.

Agricultural and Life Sciences Faculty Excellence Award for Young Faculty for 1983-1984, Division of Agricultural and Life Science, University of Maryland.

Phi Kappa Phi, University of Maryland, 1975.

Charles Atwood Kofoid Eugenics Fellowship, University of California, Berkeley, 1975-76.

Editorial and Reviewing Activity

Editor, *Journal of Productivity Analysis*, 2019-

Associate Editor, *Journal of Productivity Analysis*, 2009-2018

Associate Editor, *American Journal of Agricultural Economics*, 1983-1985.

Reviewer for: *American Economic Review*, *American Journal of Agricultural Economics*, *Australian Journal of Agricultural and Resource Economics*, *Canadian Journal of Economics*, *Contemporary Policy Issues*, *Economic Inquiry*, *International Economic Review*, *Journal of Agribusiness*, *Journal of Agricultural Economics Research*, *Journal of Economics and Behavioral Organization*, *Journal of Economics and Business*, *Journal of Public Economics*, *Social Science Quarterly*, *Southern Economic Journal*, *Zeitschrift für Nationalökonomie*, *Journal of Applied Econometrics*, *Journal of Environmental Economics and Management*, *Journal of Economic Dynamics and Control*, *Journal of Development Economics*, *Management Science*, *Journal of Econometrics*, *Economic Theory*, *European Journal of Operational Research*, *Environmental Management*, *International Journal of Economic Theory*, *B.E. Journals in Economic Analysis and Policy*, *Managerial and Decision Economics*, *World Bank Economic Review*, *Journal of Optimization Theory and Applications*, *Socio-Economic Planning Sciences*, *Annals of Operations Research*, *Mathematical Social Sciences*, *Journal of Risk and Uncertainty*, *Decisions in Economics and Finance*, *The Manchester School*, *The Economic Journal*, *Operations Research*

Publications

Books

Applied Production Analysis: A Dual Approach, Robert G. Chambers, Cambridge University Press, 1988 (reprinted 1989, 1991, 1994, and 1997). **Publication of Enduring Quality Award, American Agricultural Economics Association, 1999.**

Uncertainty, Production, Choice and Agency: The State-Contingent Approach, Robert G. Chambers and John Quiggin, Cambridge University Press: New York, 2000. **Quality of Research Discovery Award (Honorable Mention), American Agricultural Economics Association, 2001.**

Macro-economics, Agriculture, and the Exchange Rate, Robert G. Chambers and Philip L. Paarlberg (eds.), Westview Press, 1988.

Handbook of Production Economics. Subhash Ray, Robert G Chambers, and Subal Kumbhakar (eds.), Springer. 2022.

Competitive Agents in Certain and Uncertain Markets. Robert G. Chambers, Oxford University Press, 2021.

Lectures on Production Economics (draft). Robert G. Chambers, 2021

Articles

“A Critique of Exchange Rate Treatment in Agricultural Trade Models,” Robert G. Chambers and Richard E. Just, *American Journal of Agricultural Economics* 61 (1979):249-257.

“A Critique of Exchange Rate Treatment in Agricultural Trade Models: Reply,” Robert G. Chambers and Richard E. Just, *American Journal of Agricultural Economics* 62 (1980):255- 259.

“Wheat Cartelization and Domestic Markets,” Robert G. Chambers and Michael W. Woolverton, *American Journal of Agricultural Economics* 62 (1980):629-638. (**lead article**)

“The Monopsonistic Firm in an Uncertain World,” Robert G. Chambers, *Atlantic Economic Journal* IX (1981):35-39.

“Effects of Exchange Rate Changes on U.S. Agriculture: A Dynamic Analysis,” Robert G. Chambers and Richard E. Just, *American Journal of Agricultural Economics* 63 (1981):32-46.

“Interrelationships Between Monetary Instruments and Agricultural Commodity Trade,” Robert G. Chambers, *American Journal of Agricultural Economics* 63 (1981):934-941.

“Estimating the Impact of Beef Import Restrictions on the U.S. Beef Import Market,” Robert G. Chambers, Richard E. Just, L. Joe Moffitt and Andrew Schmitz, *Australian Journal of Agricultural Economics* 25 (1981):123-33.

“An Investigation of the Effects of Monetary Factors on U.S. Agriculture,” Robert G. Chambers and Richard E. Just, *Journal of Monetary Economics* 9 (1982):235-47.

“Spectral Analysis of the Theory of Anticipatory Prices,” Robert G. Chambers and Michael W. Woolverton, *Journal of Agricultural Economics* XXXIII (1982):71-81.

“Duality, the Output Effect and Applied Comparative Statics,” Robert G. Chambers, *American Journal of Agricultural Economics* 64 (1982):152-156.

“A Note on Excess Demand Curves,” Robert G. Chambers, *Atlantic Economic Journal* (1982):40-44.

“An Economic Analysis of Technology in the Meat Products Industry,” V. Eldon Ball and Robert G. Chambers, *American Journal of Agricultural Economics* 64 (1982):699-709.

“The Relevance of Duality Theory to the Practicing Agricultural Economist: Discussion,” Robert G. Chambers, *Western Journal of Agricultural Economics* (1982):373-78.

“Decomposition and Additivity for Price-Dependent Demand Systems,” Robert G. Chambers and Kenneth E. McConnell, *American Journal of Agricultural Economics* 65 (1983):596-602.

“Participation in the Farmer Owned Reserved Program: A Discrete Choice Model,” Robert G. Chambers and William E. Foster, *American Journal of Agricultural Economics* 65 (1983):120-124.

“International Trade, Gross Substitutability, and the Domestic Farm-Retail Price Margin,” Robert G. Chambers, *European Review of Agricultural Economics* 10-1 (1983):33-54.

“Impact of Fiscal-Monetary Policy on Farm Structure: A Discussion,” *Southern Journal of Agricultural Economics* 15 (1983):69-71.

“Scale and Productivity Measurement Under Risk,” Robert G. Chambers, *American Economic Review* 73 (1983):802-805.

“Testing Asset Fixity for U.S. Agriculture,” Robert G. Chambers and Utpal Vasavada, *American Journal of Agricultural Economics* 65 (1983):761-769.

“Risk in Agricultural Production: Discussion,” Robert G. Chambers, *American Journal of Agricultural Economics* 65 (1983):1114-1115.

“Agricultural and Financial Market Interdependence in the Short Run,” Robert G. Chambers, *American Journal of Agricultural Economics* 66 (1984):12-24. **Quality of Research Discovery Award, American Agricultural Economics Association, 1985.**

“Estimating the Impact of Beef Import Restrictions on the U.S. Import Market: Reply,” Robert G. Chambers, Richard E. Just, L. Joe Moffitt and Andrew Schmitz, *Australian Journal of Agricultural Economics* (1984).

“A Note on Separability of the Indirect Production Function and Measures of Substitution,” Robert G. Chambers, *Southern Economic Journal* (April 1984).

“Credit Constraints, Interest Rates, and Agricultural Prices,” Robert G. Chambers, *American Journal of Agricultural Economics* 67 (1985).

“A General, Dynamic, Supply-Response Model,” Robert G. Chambers and Ramon Lopez, *Journal of Northeast Agricultural Economics Council* (1985).

“Estimation Methods for Markets Subject to Minimum Price Regulation: The Case of California Milk,” Robert G. Chambers, L. Joe Moffitt and Richard E. Just, *Applied Economics* 17(6) (1985):991-1002.

- “Testing Asset Fixity for U.S. Agriculture: Reply,” Robert G. Chambers and Utpal Vasavada, *American Journal of Agricultural Economics* 67 (1985).
- “Least Cost Subsidization Alternatives,” Robert G. Chambers, *American Journal of Agricultural Economics* 67 (1985):251-256.
- “Welfare and Trade Effects of Deficiency Payments,” Andrew Schmitz and Robert G. Chambers, *Journal of Agricultural Economics* XXXVII (1986):37-43.
- “Estimating Parameters of a Renewable Resource Model Without Population Data,” Robert G. Chambers and Ivar E. Strand, Jr., *Marine Resource Economics* 2(3) (1986):263-274.
- “Constrained-Output Maximization and U.S. Agriculture,” Robert G. Chambers and Hyunok Lee, *Applied Economics* 18 (1986):347-358
- “Testing Asset Fixity for U.S. Agriculture: Reply,” Robert G. Chambers and Utpal Vasavada, *American Journal of Agricultural Economics* 68 (1986).
- “Domestic and International Agricultural Policy Interfaces,” Robert G. Chambers, *Southern Journal of Agricultural Economics* (1986).
- “Expenditure Constraints and Profit Maximization in U.S. Agriculture,” Hyunok Lee and Robert G. Chambers, *American Journal of Agricultural Economics* 68 (1986):857-865.
- “Investment in U.S. Agriculture: 1947-1979,” Utpal Vasavada and Robert G. Chambers, *American Journal of Agricultural Economics* 68 (1986):950-960.
- “A Critique of Exchange Rate Treatment in Agricultural Trade Models: Reply,” Robert G. Chambers and Richard E. Just, *American Journal of Agricultural Economics* 68 (1986):994-997.
- “Microeconomic Foundations of Myrdal’s Circular Causation Theory,” Robert G. Chambers and Ramon E. Lopez, *Proceedings of the International Association of Agricultural Economists* (1986).
- “Tax Policies and the Financially Constrained Farm Firm,” Robert G. Chambers and Ramon E. Lopez, *American Journal of Agricultural Economics* 69 (May 1987):2:371-377.
- “Expenditure Constraints and Profit Maximization: Reply,” Hyunok Lee and Robert G. Chambers, *American Journal of Agricultural Economics* 70 (1988):955-57.
- “Accumulation and Rental Behavior in the Market for Farmland,” Robert G. Chambers and Tim T. Phipps, *Western Journal of Agricultural Economics* 13 (1988).

“Developments in Production Economics,” Robert G. Chambers, *Economic Record* 65 (1989):243.

“Insurability and Moral Hazard in Agricultural Insurance Markets,” Robert G. Chambers, *American Journal of Agricultural Economics* 71 (1989):604-616.

“Price Aggregation Over Price Taking Firms,” Rulon Pope and Robert G. Chambers, *Review of Economic Studies* 56 (1989):297-310.

“Estimating Multioutput Technologies,” Robert G. Chambers and Richard E. Just, *American Journal of Agricultural Economics* 71 (1989):980-995. **Quality of Research Discovery Award, American Agricultural Economics Association, 1990.**

“Workfare or Welfare?” Robert G. Chambers, *Journal of Public Economics* 40 (1989):79-97.

“Concentrated Objective Functions for Nonlinear Tax Models,” Robert G. Chambers, *Journal of Public Economics* 39 (1989):365-375.

“Technical Change and Applications of Dynamic Duality to Agriculture,” Utpal Vasavada and Robert G. Chambers, *American Journal of Agricultural Economics* 71(1989):803-4.

“Are More Exports Always Better?": Comparing Cash and In-Kind Export Subsidies,” Robert G. Chambers and P.L. Paarlberg, *American Journal of Agricultural Economics* 73(1991):142-154.

“Testing for Consistent Aggregation,” Robert G. Chambers and Rulon D. Pope, *American Journal of Agricultural Economics* 73 (1991):808-818.

“The Two-Index PIGL Demand System,” Robert G. Chambers and Rulon D. Pope, *Economic Letters* 38 (1992):411-416.

“On the Design of Agricultural Policy Mechanisms,” Robert G. Chambers, *American Journal of Agricultural Economics* 74 (1992):646-654.

“Engel’s Law and Linear-in-Moments Aggregation,” Robert G. Chambers and Rulon Pope, *American Journal of Agricultural Economics* 74 (1992):682-88.

“Revisiting Minimum-Quality Standards,” Robert G. Chambers and Michael Weiss, *Economics Letters* 40 (1992):197-201.

“Public Investment and Real-Price Supports,” Robert G. Chambers and Ramon Lopez, *Journal of Public Economics* 52 (1993):73-82.

“Input-Output Separability in Production Models and Its Structural Consequences,” Robert G. Chambers and Rolf Färe, *Zeitschrift für Nationalökonomie* 57 (1993):197-202.

“Fixed-Price Controls and Ad Valorem Distortions in An Open Economy,” Robert G. Chambers and Ramon Lopez, *Economics Letters* 41 (1993):287-92.

“Efficiency, Quantity Indexes, and Productivity Indexes” Robert G. Chambers, R. Färe and S. Grosskopf, *Bulletin of Economic and Social Research* 46 (January 1994):1-22.

“Marketing Orders as Non Tariff Trade Barriers,” Robert G. Chambers and Daniel Pick, *American Journal of Agricultural Economics* 76 (February 1994):47-54.

“A Virtually Ideal Production System: Specifying and Estimating the VIPS Model,” Robert G. Chambers and Rulon D. Pope, *American Journal of Agricultural Economics* 76 (February 1994):105-113.

“The Simple Econometrics of Pesticide Productivity”, Robert G. Chambers and Erik Lichtenberg, *American Journal of Agricultural Economics* 76 (August 1994):407-417 .

“Hicks’ Neutrality and Trade-Biased Growth: A Taxonomy,” Robert G. Chambers and Rolf Färe, *Journal of Economic Theory* 64 (December 1994):554-567.

“Tariff Reform and the Uniform Tariff”, Robert G. Chambers, *Economic Studies Quarterly* 45 (3) (1994).

“The Incidence of Agricultural Policies”, Robert G. Chambers, *Journal of Public Economics* 57 (1995):317-335.

“Aggregable Price-Taking Firms,” Robert G. Chambers and Rulon D. Pope, *European Economic Review* 40 (1996):417-428

“Nonpoint-Source Pollution Regulation As A Multi-Task Principal-Agent Problem,” Robert G. Chambers and John Quiggin, *Journal of Public Economics* 59 (1996):95-116.

Quality of Research Discovery Award (Honorable Mention), American Agricultural Economics Association, 1997.

“Benefit and Distance Functions,” Robert G. Chambers, Yangho Chung, and Rolf Färe, *Journal of Economic Theory* 70 (August 1996):407-419.

“A Nonparametric Approach to the von Liebig-Paris Technology,” Robert G. Chambers and Erik Lichtenberg, *American Journal of Agricultural Economics* 78 (May 1996):373-386.

“Productivity Growth in APEC Countries”, Robert G. Chambers, Rolf Färe, and Shawna Grosskopf, *Pacific Economic Review* 1 (1996):181-190.

“Aggregate Productivity Measures”, Robert G. Chambers and Rulon D. Pope, *American Journal of Agricultural Economics* 78(1996):5:1360-1365.

“Aggregate Homothetic Separability,” Robert G. Chambers, *Economica* 64 (February 1997):173-177.

“Separation and Hedging Results with State-Contingent Production,” Robert G. Chambers and John Quiggin, *Economica* 64 (May 1997):187-210.

“Using Dominance in Forming DEA Models: The Case of Experimental Agricultural Data.” Robert G. Chambers, Rolf Färe, Erik Lichtenberg, and E. Jaenicke, *Journal of Econometrics* 85(1998): 189-203.

“Translation Homotheticity.” Robert G. Chambers and Rolf Färe, *Economic Theory* 11(1998): 629-641.

“Profit, Directional Distance Functions, and Nerlovian Efficiency”, Robert G. Chambers, Y. Chung and Rolf Färe, *Journal of Optimization Theory and Applications* 98(1998): 351-364.

“Cost Functions and Duality for Stochastic Technologies”, Robert G. Chambers and John Quiggin, *American Journal of Agricultural Economics* 80(1998): 288-295.

“The Structure of Multiplant Technologies”, Robert G. Chambers, *American Journal of Agricultural Economics* 80(1998): 839-851.

“A State-Contingent Production Approach to Principal-Agent Problems with an Application to Point-Source Pollution Control”, John Quiggin and Robert G. Chambers, *Journal of Public Economics* 70(1998): 441-472.

“Risk Premiums and Benefit Measures for Generalized Expected Utility Theories”, John Quiggin and Robert G. Chambers, *Journal of Risk and Uncertainty*, 17 (1998): 121-138.

“Producer Organizations, Bargaining, and Asymmetric Information”, Jean-Marc Bourgeon and Robert G. Chambers, *American Journal of Agricultural Economics* 81 (1999): 602-609.

“Stop-and-Go Agricultural Policies”, Jean-Marc Bourgeon and Robert G. Chambers, *American Journal of Agricultural Economics* 82 (2000):1-13.

“Homotheticity and Non-Radial Changes”, Robert G. Chambers and Thomas Mitchell, *Journal of Productivity Analysis* 15 (2001): 31-39.

“Consumers’ Surplus as an Exact and Superlative Welfare Indicator”, Robert G. Chambers, *International Economic Review* 42 (2001): 105-120.

"Decomposing Input Adjustments under Price and Production Uncertainty", Robert G. Chambers and John Quiggin, *American Journal of Agricultural Economics* 83 (2001):20-

34.

“The Firm under Uncertainty with General Risk Averse Preferences”, Robert G. Chambers and John Quiggin, *Journal of Risk and Uncertainty* 22 (2001): 5-20.

“The State-Contingent Properties of Stochastic Production Functions”, Robert G. Chambers and John Quiggin, *American Journal of Agricultural Economics* 84 (2002): 513-526.

“Optimal Producer Behavior in the Presence of Area-Yield Crop Insurance”, Robert G. Chambers and John Quiggin, *American Journal of Agricultural Economics* 84 (2002): 320-334.

“Exact Nonradial Input, Output, and Productivity Measurement”, Robert G. Chambers, *Economic Theory* 20 (2002): 751-767.

“Price Stabilization and the Risk-Averse Firm”, Robert G. Chambers and John Quiggin, *American Journal of Agricultural Economics* 85 (2003): 336-347.

“Indirect Certainty Equivalents for the Firm Facing Price and Production Uncertainty”, Robert G. Chambers and John Quiggin, *Economics Letters* 78 (2003): 309-316

“Local Utility Functions and Local Probability Transformations”, John Quiggin and Robert G. Chambers, *Journal of Risk and Uncertainty* 27 (2003): 111-120 (lead article).

“Optimal Area-Yield Crop Insurance Reconsidered”, Jean-Marc Bourgeon and Robert G. Chambers, *American Journal of Agricultural Economics* 85 (2003): 590-604..

“Jointly Radial and Translation Homothetic Preferences: Generalized Constant Risk Aversion”. Robert G. Chambers, Rolf Fare, and John Quiggin. *Economic Theory* 23 (2004): 689-699.

“Invariant Risk Attitudes”. John Quiggin and Robert G. Chambers. *Journal of Economic Theory* 117 (2004): 96-118.

“Technological and Financial Approaches to Risk Management in Agriculture: An Integrated Approach”. Robert G. Chambers and John Quiggin. *Australian Journal of Agricultural and Resource Economics* 48 (2004): 199-224.

“Additive Decomposition of Profit Efficiency”. Robert G. Chambers and Rolf Färe. *Economics Letters* 84 (2004): 329-334.

“Drought Policy: A Graphical Analysis”. John Quiggin and Robert G. Chambers. *Australian Journal of Agricultural and Resource Economics* 48 (2004): 225-252.

“Incentives and Standards in Agency Contracts”. Robert G. Chambers and John Quiggin. *Journal of Public Economic Theory* 7 (2005): 201-208.

“Eliciting the Core of a Supermodular Capacity”. Robert G. Chambers and Tigran Melkonyan. *Economic Theory* 26(2005): 203-09.

“Linear-Risk-Tolerant, Invariant Preferences”. Robert G. Chambers and John Quiggin. *Economics Letters* 86 (2005): 303-309.

“Output Price Subsidies in a Stochastic World”. Robert G. Chambers and John Quiggin. *American Journal of Agricultural Economics* 87 (2005): 501-508.

“On Input and Output Translation Homotheticity”. Robert G. Chambers. *Journal of Economics (Zeitschrift für Nationalökonomie)* 85 (2005): 197-203.

“Supermodularity and Risk Aversion”. John Quiggin and Robert G. Chambers. *Mathematical Social Sciences* 52(2006): 1-14.

“Capital Market Equilibrium with Moral Hazard and Flexible Technology”. John Quiggin and Robert G. Chambers, *Journal of Mathematical Economics* 42 (2006): 358-363.

“The State-Contingent Approach to Production under Uncertainty.” John Quiggin and Robert G. Chambers, *Australian Journal of Agricultural and Resource Economics* 50 (2006): 153-169.

“Parallel Neutrality.” Walter Briec, Robert G. Chambers, Rolf Fare, and Nicolas Peypoch, *Journal of Economics (Zeitschrift für Nationalökonomie)* 88 (2006): 285-305.

“Dual Approaches to the Analysis of Risk Aversion”. Robert G. Chambers and John Quiggin, *Economica* 74 (2007): 189-213 (**lead article**).

“Degree of Imprecision: Geometric and Algorithmic Approaches.” Robert G. Chambers and Tigran Melkonyan. *International Journal of Approximate Reasoning* 45(2007): 106-122.

“Pareto Optimal Trade in an Uncertain World: GMOs and the Precautionary Principle”. Robert G. Chambers and Tigran Melkonyan. *American Journal of Agricultural Economics* 89 (2007): 520-532.

“Valuing Agricultural Insurance”. Robert G. Chambers *American Journal of Agricultural Economics* 89 (2007): 596-606.

“Supermodularity and the Comparative Statics of Risk.” John Quiggin and Robert G. Chambers. *Theory and Decision* 62 (2007): 97-117.

“Information and the Risk-Averse Firm”. Robert G. Chambers and John Quiggin. *Journal of Productivity Analysis* 27(2007): 197-208.

“Comparative Statics for the Productive Firm under Uncertainty”, Robert G. Chambers and John Quiggin. *Journal of Economics* 93(2008): 203-14.

“Narrowing the No-Arbitrage Bounds”. Robert G. Chambers and John Quiggin. *Journal of Mathematical Economics* 44 (2008): 1-14 (**lead article**).

“Implementable Ramsey-Boiteux Pricing in Agricultural and Environmental Policy”. Robert G. Chambers and Jean-Marc Bourgeon. *American Journal of Agricultural Economics* 90 (2008): 499-508

“Stochastic Productivity Measurement”. Robert G. Chambers. *Journal of Productivity Analysis* 30 (2008): 107-120.

“Eliciting Beliefs”. Robert G. Chambers and Tigran Melkonyan. *Theory and Decision* 65

(2008): 271-84 (**lead article**).

“A ‘Calculus’ for DEA Models”. Robert G. Chambers and Rolf Färe. *Journal of Productivity Analysis* 30 (2008): 169-175 (**lead article**).

“Bargaining Power and Efficiency in Insurance Contracts”. John Quiggin and Robert G. Chambers *Geneva Risk and Insurance Review* 34(2009): 47-73 **SCOR/IDEI Award for best paper published in GRIR.**

“Cost Minimization and the Stochastic Discount Factor”. Robert G. Chambers and John Quiggin *Annals of Operations Research* 176 (2010): 349-368.

“Smoothing Preference Kinks with Information”. Robert G. Chambers and Tigran Melkonyan, *Mathematical Social Sciences* 58(2009): 173-189.

“Separability of Stochastic Production Decisions from Producer Risk Preferences in the Presence of Financial Markets”, Robert G. Chambers and John Quiggin. *Journal of Mathematical Economics* 45 (2009): 730-737.

“Buy Low, Sell High: Price Gaps and Neoclassical Theory”. Robert G. Chambers and Tigran Melkonyan. *Journal of Mathematical Economics* 45 (2009): 720-29.

“Efficiency Analysis in the Presence of Uncertainty”. Christopher O’Donnell, Robert G. Chambers, and John Quiggin *Journal of Productivity Analysis* 33 (2010): 1-17. (**Quality of Research Discovery Award, European Association of Agricultural Economists, 2011**).

“Regulatory Policy in an Uncertain World.” Robert G. Chambers and Tigran Melkonyan *Journal of Public Economic Theory* 12(2010): 1081-1107..

“Production Economics and Farm Management: A Century of Contributions.” Jean-Paul Chavas, Robert G. Chambers, and Rulon D. Pope *American Journal of Agricultural Economics* 92 (2010): 356-75.

“Event-specific Data Envelopment Models and Efficiency Analysis”. Robert G. Chambers, Atakelty Hailu, and John Quiggin. *Australian Journal of Agricultural and Resource* 55(2011): 90-106

“Another Look at Pesticide Productivity and Pest Damage”, Robert G. Chambers, Giannis Karagiannis, and Vangelis Tzouvelekas. *Am. J. Agr. Econ.* (2010) 92(5): 1401-1419

“Efficiency Analysis, Shortage Functions, Arbitrage, and Martingales”. Robert G. Chambers and Rolf Färe. *European Journal of Operational Research* 213 (2011): 349-358.

“A Luenberger Soil-Quality Indicator”. Atakelty Hailu and Robert G. Chambers. *Journal of Productivity Analysis* 38 (2012): 145-154.

“Food Scars in an Uncertain World”. Robert G. Chambers and Tigran Melkonyan, *Journal of the European Economic Association* 11 (2013): 1432-56.

- “Generalized Quadratic Revenue Functions.” Robert G. Chambers, Rolf Fare, Shawna Grosskopf, Michael Vardanyan. *Journal of Econometrics* 173 (2013): 11-21.
- “Estimating Population Dynamics without Population Data.” Robert G. Chambers and Vangelis Tzouvelekas *Journal of Environmental Economics and Management* 66 (2013): 510-22.
- “A Two-Parameter Model of Dispersion Aversion.” Robert G. Chambers, Simon Grant, Benjamin Polak, and John Quiggin. *Journal of Economic Theory* 150 (2014): 611-641.
- “Productivity Accounting for Separable Technologies”. Robert G. Chambers, Giannis Karagiannis, and Vangelis Tzouvelekas. *Journal of Productivity Analysis* 41 (2014): 41-50.
- “Measuring Technical and Environmental Efficiency in a State-Contingent Technology.” Teresa Serra, Robert G. Chambers, Alfons Oude-Lansink. *European Journal of Operational Research* 236 (2014): 706017.
- “Uncertain Equilibria and Incomplete Preferences.” Robert G. Chambers. *Journal of Mathematical Economics* 55 (2014): 48-54. [10.1016/j.jmateco.2014.09.009](https://doi.org/10.1016/j.jmateco.2014.09.009)
- “On the Pricing of Undesireable Outputs.” Robert G. Chambers, Teresa Serra, and Alfons Oude-Lansink. *European Review of Agricultural Economics* 41 (2014): 485-509.
- Using Ex Ante Output Elicitation to Model State-Contingent Technologies”. Robert G. Chambers, Teresa Serra, and Spiro Stefanou. *Journal of Productivity Analysis* 43 (2015): 75-83.
- “On Marginal-Risk Behavior”. Robert G. Chambers. *American Journal of Agricultural Economics* 98 (2016): 406-21.
- “Marginal Values and Returns to Scale for Nonparametric Production Frontiers”. Victor Podinovski, Robert G. Chambers, Kazim Atici, Iryna Deineko. *Operations Research* 64 (2016): 236-50.
- “”Decoupled” Farm Program Payments are Really Decoupled”. Robert G. Chambers and Daniel C. Voica. *American Journal of Agricultural Economics* 2016 doi: [10.1093/ajae/aaw044](https://doi.org/10.1093/ajae/aaw044)
- “The Social Dimension of Firm Performance: A DEA Approach”. Robert G. Chambers and Teresa Serra. *Empirical Economics* 2016 doi: [10.1007/s00181-016-1135-z](https://doi.org/10.1007/s00181-016-1135-z)
- “Ambiguity, Reasoned Determination, and Climate-Change Policy”. Robert G Chambers and Tigran Melkonyan. *Journal of Environmental Economics and Management* 81 (2017):74-92.
- “Determining Climate Effects on US Total Agricultural Productivity”. Xin-Zhong Liang, You Wu, Robert G Chambers ,Daniel Schmoldt, Wei Gao, Chaoshun Liu, Yan-An Liu, Chao Sun, and Jennifer A Kennedy *Proceedings of the National Academy of Science* (2017) March, 114 (12) E2285-E2292. <https://doi.org/10.1073/pnas.1615922114>

“Estimating *Ex Ante* Cost Functions for Stochastic Technologies”. Robert G Chambers and Teresa Serra. *American Journal of Agricultural Economics* (forthcoming in print) online at 10.1093/ajae/aay068.

“Incomplete Preferences and Equilibrium in Contingent Markets”. Robert G Chambers and Tigran Melkonyan. *Economica* (forthcoming).

“Growing climatic sensitivity of U.S. agriculture linked to technological change and regional specialization”. Ariel Ortiz-Bobea, Erwin Knippenberg, and Robert G Chambers. *Science Advances* 2018;4: eaat4343 12 December 2018.

“Sub-lethal Concentrations of Neonicotinoid Pesticides at the Field Level Threaten Beekeepers’ Livelihoods”. Robert G Chambers, Kostas Chatzimichael, and Vangelis Tzouvelekas . *PLoS One*. *Published: April 25, 2019*
<https://doi.org/10.1371/journal.pone.0215363>

“The Sources of Measured US Agricultural Productivity Growth: Weather, Technological Change, and Adaptation”. Robert G. Chambers and Simone Pieralli. *American Journal of Agricultural Economics* 102 (2020): 1198-1226
<https://doi.org/10.1002/ajae.12090>

“The Millennium Droughts and Australian Agricultural Productivity Performance: A Nonparametric Analysis”. Robert G Chambers, Simone Pieralli, and Yu Sheng. *American Journal of Agricultural Economics* 102 (2020): 1383-1403 .
<https://doi.org/10.1111/ajae.12098>

“The Historical Impact of Anthropogenic Climate Change on Global Agricultural Productivity”. Ariel Ortiz-Bobea, Toby R. Ault, Carlos M. Carrillo, Robert G. Chambers, David B. Lobell . *Nature Climate Change* (2021). <https://doi.org/10.1038/s41558-021-01000-1>

“Incomplete Preferences, Willingness to Pay, and Willingness to Accept”. *Economic Theory*. Robert G. Chambers, Tigran Melkonyan, and John Quiggin.
<https://doi.org/10.1007/s00199-021-01375-4>

“Invariant Risk Preferences and Supply Response under Price Risk”. Robert G Chambers, Margarita Genius, and Vangelis Tzouvelekas. *American Journal of Agricultural Economics* 103 (2021):

Book Chapters

“The Gains from International Trade,” Robert G. Chambers, John M. Letiche and Andrew Schmitz, *International Trade and Agriculture: Theory and Policy*, ed. Jimmye Hillman and Andrew Schmitz, Boulder: Westview Press, (1979):61-90.

“The Development of Gains from Trade Theory: Classical to Modern Literature,” John M. Letiche, Robert G. Chambers and Andrew Schmitz, *Economic Perspectives*, ed. Maurice Ballabon, 1 (1979):119-149.

“The Future of Policy Research,” Robert G. Chambers, *Proceedings from Perspectives on Food and Agricultural Policy Research Workshop*, ed. W. J. Armbruster, Farm Foundation, Oak Brook, Illinois, May 1982.

“The Development of Gains from Trade Theory: Classical to Modern Literature,” J. M. Letiche, Robert G. Chambers and Andrew Schmitz, in *International Economic Policies and Their Theoretical Foundation*, New York: Academic Press, 1982 (reprint), 1992 (second reprint).

“New Developments in Theory and Empirical Applications of Agricultural Commodity Market Analysis: Qualitative Econometrics and Agriculture,” Robert G. Chambers and Richard E. Just, *New Directions in Econometric Modelling and Forecasting for U.S. Agriculture*, ed. Gordon C. Rausser, North-Holland, Elsevier (1982).

“International Markets in Disequilibrium: A Case Study of Beef,” Robert G. Chambers, L. Joe Moffitt, Richard E. Just and Andrew Schmitz, *New Directions in Econometric Modelling and Forecasting for U.S. Agriculture*, ed. G. C. Rausser, North-Holland Elsevier (1982).

“Conceptual Issues in the Measurement and Size and Scale Economies,” Robert G. Chambers, *Economies of Size Studies*, ed. M. Boehlje, Center for Agricultural and Rural Development, Iowa State University, Ames, Iowa, 1984:53-103.

“Macroeconomics and U. S. Agricultural Policy: Commentary,” in *United States Agricultural Policy: The 1985 Farm Legislation*, ed. Bruce L. Gardner, American Enterprise Institute, 1985.

“Trade and Macroeconomic Dimension of U.S. Farm Policy: Discussion,” Robert G. Chambers, *Alternative Agricultural and Food Policies and the 1985 Farm Bill*, ed. Gordon Rausser and Kenneth Farrell, Giannini Foundation of Agricultural Economics, Berkeley, California, 1986.

“Effects of Natural Resource Policies on Trade,” Robert G. Chambers and Katharine Reichelderfer, *Agricultural Trade and Natural Resources: Discovering the Critical Linkage*, ed. John D. Sutton, Lynne Rienner Publishers, Inc., 1988.

“An Overview of Exchange Rates, Macroeconomics, and Agriculture,” *Macroeconomics, Agriculture, and the Exchange Rate*, ed. P. Paarlberg and R.G. Chambers, Westview Press, 1988.

“Management and Efficiency of Rural Businesses,” Arne Hallam and Robert G. Chambers in *Rural Information Systems: New Directions in Data Collection and Retrieval*, ed. R.C. Buse and J.L. Driscoll, Ames: Iowa State University Press, 1992.

“Share Leasing and Externalities,” Robert G. Chambers, Hyunok Lee, and John Quiggin in *Land Ownership and Taxation in American Agriculture*, ed. G. Wunderlich. San Francisco: Westview Press, 1992.

“Input and Output Indicators”, Robert G. Chambers in *Index Numbers: Essays in Honor of Sten Malmquist*, ed. Rolf Färe, Shawna Grosskopf, and R.R. Russell, Boston: Kluwer Academic Publishers 1998.

“Information, Incentives, and the Design of Agricultural Policy”, Robert G. Chambers in *Handbook of Agricultural Economics*, ed. B.L. Gardner and G.C. Rausser, North-Holland/Elsevier, New York, 2002.

“The State-contingent Approach to Risk Premiums and Comparative Statics in Generalized Expected-utility Theory”, John Quiggin and Robert G. Chambers, in *FUR Proceedings*, ed., M. Machina.

“Dual Approaches to Estimating Supply Response Systems under Price and Production Uncertainty”, Robert G. Chambers and John Quiggin, in *A Comprehensive Assessment of the Role of Risk in US Agriculture* eds. R.Just and R.Pope, Kluwer, 2001.

“The State-contingent Approach to Modeling Environmental Risk Management” John Quiggin and Robert G. Chambers, *Risk Management and the Environment: Agriculture in Perspective*, eds. Bruce A. Babcock, Robert W. Fraser and Joseph N. Lekakis, Kluwer, 2003.

“Production under Uncertainty”. Robert G. Chambers. In *Handbook of Production Economics*, eds. Subhash Ray, Robert G Chambers, and Subal Kumbhakar. Springer, Singapore https://doi.org/10.1007/978-981-10-3450-3_6-1 . 2020.

“Distance Functions”. Robert G. Chambers and Rolf Färe. *Handbook of Production Economics*, eds. Subhash Ray, Robert G Chambers, and Subal Kumbhakar, Springer, Singapore https://doi.org/10.1007/978-981-10-3450-3_14-1. 2020.

“Comparative Risk Aversion for State-Dependent Preferences”. John Quiggin and Robert G Chambers. *Mathematical Topics on Representations of Ordered Structures and Utility Theory: Essays in Honor of Professor G.B. Mehta*, Studies in Systems, Decision and Control 263, G. Bosi, M. Campion, J. C. Candeal, and E.Indurain (eds), Springer Nature, Switzerland 2020.

“Neoclassical Production Economics: An Introduction”. Robert G. Chambers and Subhash Ray. *Handbook of Production Economics*. eds. Subhash Ray, Robert G Chambers, and Subal Kumbhakar, Springer, Singapore (forthcoming, 2022).

Monographs, Reports, and Other Publications

Economic Gains from Agricultural Trade: A Bibliographical Survey, Barry Coyle, Robert G. Chambers, and Andrew Schmitz, Bibliography Series, United States Department of Agriculture, 1986.

“Income Transfers to Agriculture,” Robert G. Chambers, Chapter 4, Economic Report of the President, Government Printing Office, Washington, D.C., 1986.

Put Options and Commodity Programs,” Robert G. Chambers, Financial Exchange.

The Gains From U.S. Agricultural Trade, Barry Coyle, Robert G. Chambers and Philip Paarlberg, Foreign Agricultural Economics Report, United States Department of Agriculture .

Optimal Farm-Credit Pricing Under Asymmetric Information, Hyunok Lee and Robert G. Chambers, Technical Bulletin # 1739, United States Department of Agriculture, Economic Research Service, Washington, D.C., 1988.

“How to Wean the Farmer from Washington,” Robert G. Chambers, Heritage Foundation Backgrounder No. 657, June 1988.

“Debt and U.S. Agricultural Exports,” Robert G. Chambers and Ramon E. Lopez, report submitted to ATAD/USDA.

“Tariff Reform and the Uniform Tariff,” Robert G. Chambers, report to TPD, World Bank, 1990.

“A Long-Run, General-Equilibrium Cocoa Supply Response Model for Ghana,” Robert G. Chambers, report to TPD, World Bank, 1992, revised February 1994.

“Effects of Liberalized Trade on Agriculture in the Western Hemisphere.” Earl Brown and Robert G. Chambers, Agricultural Trade Policy Center, University of Maryland at College Park. Report on Cooperative Agreement 92-37400-8298.

“Economics of Sustainable Farming in the Mid-Atlantic”, Robert G. Chambers and Erik Lichtenberg, report to USDA/EPA PCE Program, 1995.

“Thinking About Agricultural Productivity Accounting in the Presence of By-Products”, presented at *OECD Expert Workshop: Measuring Environmentally-Adjusted TFT for Agriculture*, <http://www.oecd.org/tad/events/environmentally-adjusted-total-factor-productivity-in-agriculture.htm>

Invited Lecture Series, Short Courses

Lectures on Production Analysis at the Royal Veterinary and Agricultural (KVL) University, Denmark, 1990. Lectured for two weeks, summer 1990.

Lectures on Production Analysis at University of Helsinki, Finland, Summer 1994.

Lectures at University of Western Australia, October 1999

Lectures on Production Analysis at University of Western Australia, October 2000 (as part of adjunct professorship with that University).

Lectures on Directional Distance Functions and Economic Theory, series of three lectures presented at Cornell University, Department of Agricultural Economics, July 1999.

Lectures on Uncertainty and Contracting at the Royal Veterinary and Agricultural University. Lectured for two weeks, summer 2001.

Lectures on Uncertainty and Contracting, Universita Cattolica, Cremona, Italy, summer 2002 (20 hours of lectures).

Professeur Invité (Invited Professor), Université de Perpignan, France, May 2004.

Professeur Invité (Invited Professor), Université de Perpignan, France, May 2006.

Professeur Invité (Invited Professor), Université de Perpignan, Via Domitia, France, June 2007.

Professeur Invité (Invited Professor), Université de Perpignan, Via Domitia, France, October 2008

Professeur Invité (Invited Professor), Université de Perpignan, Via Domitia, France, December 2009.

Lectures on Uncertainty and Decisionmaking (with John Quiggin and Louis Eeckhoudt), Universita di Verona, Verona, Italy, September 2009.

Professeur Invité (Invited Professor), Université de Perpignan, Via Domitia, France, June 2010.

Advanced Production Economics Summer School, SLU (Sweden) June 2010.

EDN Winter School (hosted by University of Queensland) on Decision Making under Uncertainty (with Professor Simon Grant), Brisbane, Australia, July 2010.

Invited Presentations, Keynote Addresses, Plenary Addresses, and Seminars

“Disequilibrium Econometrics: An Agricultural Application,” invited paper for ERS/USDA symposium on Econometrics Modelling and Forecasting, Washington, DC, April 10, 1978.

“On the Structure of Post Von Neumann Foreign Trade Theories: Ricardo and Modern Classicism Compared,” invited discussion at Sixth Atlantic Economic Conference, Washington, DC, October 11-14, 1978.

“New Developments in Theory and Empirical Applications of Agricultural Commodity Market Analysis: Qualitative Econometrics and Agriculture,” invited paper for ESCS/USDA symposium on New Directions for Econometric Modelling and Forecasting in U.S. Agriculture, Washington, DC, June 1979.

“Disequilibrium Econometrics: Implications and Applications for Agriculture,” invited presentation at symposium “Are Agricultural Markets in Disequilibrium?” at annual meetings of American Agricultural Economics Association, Pullman, Washington, August 1979.

“Interrelationships between Monetary Instruments and Agricultural Commodity Trade,” invited paper for “Evolving Relationships in Commodity Market,” session at annual meetings of American Agricultural Economics Association, Clemson, South Carolina, July 1981.

“The Future of Policy Research,” invited discussion at Perceptions on Food and Agricultural Policy Research Workshop, University of Maryland, October 7, 1981.

“Interactions between Commodity and Financial Markets,” invited address, Minnesota Economic Association Annual Meeting, Minneapolis, October 23, 1981.

“To Dual or Not to Dual: Is That the Question,” presented at Relevance of Duality Theory invited paper session, annual meeting of American Agricultural Economic Association, Logan, Utah, 1982.

“Modelling Investment Decisions: A Dual Approach,” seminar presented to Department of Agricultural and Resource Economics, Oregon State University, Corvallis, Oregon, February 1983.

“Optimal Government Subsidies to Agriculture,” seminar presented at Agriculture Canada, Ottawa, June 22, 1983.

“Impact of Fiscal-Monetary Policy On Farm Structure,” invited discussion for annual meetings of Southern Agricultural Economics Consortium, Atlanta, Georgia, February 1983.

“Incorporating Risk in Production Analysis: Discussion,” invited discussion at American Agricultural Economics Association annual meetings, Purdue, Indiana, August 1983.

“Some Conceptual Issues in the Measurement of Economies of Size,” invited paper presentation at NC-117 Workshop on Size Economics, Purdue, Indiana, 1983.

“A General, Dynamic, Supply-Response Model,” Robert G. Chambers and Ramon E. Lopez, invited paper presented at annual meetings of American Agricultural Economics Association, Cornell University, August 1984.

“Credit-Constraints, Inflation, and Agricultural Prices,” invited paper presented at Winter Meetings of American Agricultural Economics Association, Dallas, Texas, December 1984.

“International Debt and Credit Constraints,” seminar at International Economics Division, Economic Research Service, USDA, Washington, DC, November 1984.

“Agriculture in a World Economy,” keynote address for University of Maryland-Oklahoma State Teleconference on Agricultural Trade, March 1985.

“Domestic and International Agricultural Policy Interfaces,” invited presentation at Southern Agricultural Economics Association Annual Meeting, Orlando, Florida, February 1986.

“Agricultural Exports in a Dynamic World Economy,” invited speech to Board of Directors of National Grain Trade Council, Scottsdale, Arizona, May 1986.

“Using Duality to Infer Decisionmakers’ Preferences,” invited seminar at the University of Delaware, October 1986.

“Domestic and International Agricultural Policy,” invited speech at Pennsylvania State University, November 1986.

“Price Aggregation When Competitive Firms Prices Vary,” invited seminar at the Pennsylvania State University, November 1986.

“On Agricultural Policy Making,” invited seminar at the University of Arizona, November 1986.

“An Overview of Exchange Rates and Macroeconomics in U.S. Agriculture,” invited presentation at Conference in Exchange Rates and Macroeconomics in U.S. Agriculture, Lake Tahoe, Nevada, Summer 1986.

“A Perspective on U.S. Agricultural Policy,” invited presentation at workshop on U.S. Agricultural Policy, Institut de Gestion Internationale and Agro-Alimentaire, Cergy-Pontoise, France, May 1987.

“Designing Farm Programs,” invited seminar presented at Purdue University, December 1987.

“Designing Producer Financed Farm Programs, or Should We Save the Cows?,” seminar at the University of Chicago, Dept. of Economics, May 1987.

“Agricultural Conservation and Trade Policies: Inconsistent or Complementary,” presented with Katharine Reichelderfer, at annual meetings of the American Agricultural Economics Association, Michigan State University, August 1987.

“Subsidies and Supply Control: The Case of Agricultural Policy,” seminar presented at World Bank, November 1987.

“Inside the Black Box of Agricultural Policy,” symposium presentation, American Agricultural Economic Association Annual Meeting, Knoxville, Tennessee, August 1988.

“Economics of Joint Production,” seminar presented to Australian Bureau of Agricultural and Resource Economics, Canberra ACT, Australia, August 1988.

“Agricultural Insurance, Insurability, and Moral Hazard,” invited seminar presented to the Faculty of Agriculture, LaTrobe University, Bundoora, Australia, August 1988.

“Separating Equilibria and the Rat Race in Loan Markets,” invited seminar presented to Department of Agricultural Economics and Business, University of New England, Armidale, NSW Australia, August 1988.

“Choosing Agricultural Policies or When Should We “Save the Cows!”?” invited seminar presented to Department of Agricultural Economics and Business, University of New England, Armidale, NSW Australia, August 1988.

“Inferring Decisionmaker Preferences,” invited presentation for Sydney branch of the Australian Agricultural Economic Society, University of Sydney, Sydney, Australia, August 1988.

“Developments in Production Economics,” invited address, 1988 Australian Economic Congress, Canberra, ACT Australia, August 1988.

“A U.S. View on Reducing World Agricultural Protection,” invited presentation to Congress Symposium on Reducing World Agricultural Protection, 1988 Australian Economic Congress, Canberra ACT, Australia, August 1988.

“Agricultural Outlook under a New Administration,” invited speech to Baltimore City Field Crops Day, December 1988.

“Economic Issues of the 1990 Farm Bill,” invited speech at 70th Annual Meeting of Farm Bureau Federation, San Antonio, Texas, January 11, 1989.

“Recent Developments in Measuring Economics of Size,” invited presentation NC-181, Tucson, Arizona, January 1989.

“Agriculture in a Changing World,” keynote address, Delmarva Corn and Soybean Technology Conference, Salisbury, Maryland, February 8, 1989.

“What Do Aggregate Supply Curves Mean?” invited paper for Australian Agricultural Economics Society, Brisbane, Australia, February 1990.

“Tariff Reform and the Uniform Tariff,” invited seminar presented at ABARE, Canberra, Australia, February 1990.

“The Simple Analytics of Nonjoint Production,” invited seminar presented at ABARE, Canberra, Australia, February 1990.

“Issues in Aggregation,” invited seminar presented at North Carolina State University, April 1991.

“Nonpoint Source Pollution as a Multi-Task Principal Agent Problem,” invited seminar presented at University of California, Davis, June 1992.

“State-Contingent Moral Hazard,” presented to Research School of Social Studies, Australian National University, Canberra, Australia, October 1994.

“Exploitation and Agency in Agrarian Contracts,” seminar presented to Hubert Humphrey Institute, University of Minnesota, September 1995.

“Exploitation and Efficiency in Agrarian Contracts,” seminar presented to Department of Economics, Southern Illinois University, November 1995.

“Exploitation and Agency in Agrarian Contracts,” invited presentation, Conference on Industrial Organization and Food Processing, IDEI, Toulouse, France, April 1996.

“Input and Output Indicators”, invited presentation, Arne Ryde Symposium on Productivity in Honor of Sten Malmquist, Lund, Sweden, May 1996.

“Aggregate Productivity Measures”, Robert G. Chambers and Rulon D. Pope, invited paper, American Agricultural Economics Association annual meetings, 1996.

“Using Duality to Model the Effects of Changes in Agricultural Policy”, seminar presented to the Economic Research Service, Washington, DC, December 1997.

“A Dual Bioeconomic Model of Short Run Fisheries Production”, Robert G. Chambers and I.E. Stand, presented at the IXth Conference of the International Institute of Fisheries Economics and Trade, Tromso, Norway, July 1998.

“The State-Contingent Approach to Uncertain Production”, seminar presented at the University of Arizona, October 1998.

“Supply Control and Acreage Retirement”, Robert G. Chambers and Jean-Marc Bourgeon, invited paper, Conference on Industrial Organization and Food Processing, IDEI, Toulouse France, November 1998.

“Exploitation and Agency” Robert G. Chambers and John Quiggin, seminar presented to the Research School of Social Sciences, Australian National University, January 1999,

“Uncertainty, Production, Choice and Agency: The State-Contingent Approach”, Robert G. Chambers and John Quiggin, workshop presented to The Economics Faculty, Australian National University, January 1999.

“Producer Organizations, Bargaining, and Asymmetric Information”, Robert G. Chambers and Jean-Marc Bourgeon, invited paper, American Agricultural Economics Association winter meetings, 1999.

“Duality and Uncertainty”, seminar Oregon State University, Economics Department, March 1999.

“Duality under Uncertainty”, seminar North Carolina State University, Department of Agricultural Economics and Agribusiness, 1999.

"Stop-and-Go Agricultural Policies", seminar, Faculty of Agriculture, University of Western Australia, October 1999.

"Duality under Uncertainty", seminar, Faculty of Agriculture, University of Western Australia, October 1999.

“Incentives and Standards in Agency Contracts”, invited paper, Conference on Industrial Organization and Food Processing, IDEI, Université de Toulouse, France, June 2000.

“Incentives and Standards in Agency Contracts”, seminar, Faculty of Agriculture, University of Western Australia, October 2000.

“Dual Approaches to State-Contingent Supply Response Systems”, invited presentation, Gulf Shores Regional Risk Meeting, March 2001.

“Standards in Agency Contracts”, Université des Sciences Sociales, Toulouse, INRA, May 2001.

“Agency Contracts in a State-Contingent Setting”, Keynote Address, Economics of Contracts in Agriculture and the Food Chain, 78th EAAE Seminar, Copenhagen, June 2001.

“Resource Allocation and Asset Pricing”, Keynote Address, North American Productivity Workshop II, Union College, Schenectady, NY, June 2002.

“Implementable Ramsey-Boiteux Pricing in Agricultural and Environmental Policy”, invited address, Economics of Contracts in Agriculture and the Environment, 82 EAAE Seminar, Copenhagen 2003.

“Superlative Productivity Measurement for Stochastic Technologies”, invited seminar, University of California, Davis, Fall 2003.

“The Precautionary Principle and Pareto Optimality in an Uncertain World”, invited seminar, ZEF, University of Bonn, March 2004.

“Productivity Measurement in an Uncertain World”, Inaugural Address, 21eme Journées de Microéconomie Appliquée, Lille, France, May 2004.

“The Precautionary Principle and Pareto Optimality in an Uncertain World”, seminar at GAPEM, Lille, France, May 2004.

“Productivity Measurement in an Uncertain World”, Invited Lecture, GEREM, Université de Perpignan, France, May 2004.

“The Precautionary Principle and Pareto Optimality in an Uncertain World”, Invited Lecture, GEREM, Université de Perpignan, France, May 2004.

“Productivity Measurement under Uncertainty” presented at the Social Sciences and Humanities Research Council of Canada International Conference on Index Number Theory and the Measurement of Prices and Productivity. Vancouver, Canada, July 2004.

“Productivity Measurement under Uncertainty” Invited Address at Asian-Pacific Productivity Conference, University of Queensland, Brisbane, Australia, July 2004.

“Productivity Measurement under Uncertainty” Invited Workshop at Australian Bureau of Agricultural and Resource Economics, Canberra, Australia, July 2004.

“A Cost-based Approach to Asset Pricing”, invited seminar, Université de Perpignan, June 2005.

“Some Empirical Implications of State-Contingent Production Models”, Invited Paper at Australian Agricultural and Resource Economics Society annual meetings, Manly Beach, Sydney, Australia, February 2006.

“The Dynamics of Food Scares”, Invited Lecture, GEREM, Université de Perpignan, June 2006.

“Stochastic Productivity Measurement”. Invited presentation *Trends & Forces in International Productivity Growth* workshop jointly sponsored by ERS/USDA and the Farm Foundation. Washington, DC. March 17, 2007.

“Generalized Invariant Preferences”, Invited Seminar, Department of Economics, Oregon State University, May 4, 2007.

“Generalized Invariant Preferences”, Invited Seminar, GEREM, Université de Perpignan, June 2007.

“Generalized Invariant Preferences”, Invited Seminar, University of Nevada, Reno, Fall 2007.

“Hazard Valuation in an Uncertain World”, I. W. Arthur Memorial Lecture, Iowa State University, April 28, 2008.

“Hazard Valuation in an Uncertain World”, Invited Seminar, Université de Perpignan, Via Domitia, October 2008.

“Hazard Valuation in an Uncertain World”, Invited Seminar, Sveriges Landbruksuniversitet (Swedish University of Agricultural Sciences), Uppsala, Sweden, November 5, 2008.

“Hazard Valuation in an Uncertain World”, Workshop Presentation, Università di Verona, Verona, Italy, November, 2008.

“The Equity Premium and the Aggregate Technology”, Invited Seminar, AEM, Cornell University, December 12, 2008.

“Decisionmaking under Uncertainty”. Invited Workshop, School of Agricultural and Resource Economics, University of Western Australia, Perth, Australia, January 15, 2009.

“Productivity Measurement under Uncertainty”. Invited Workshop (with John Quiggin, Massimo Marinacci, Fabio Maccheroni, and Louis Eeckhoudt), Università di Verona, September 2009.

“The Bureau of Agricultural Economics and the Foundations of Applied Production Analysis”. Invited seminar, Economic Research Service, United States Department of Agriculture, April 19, 2010.

“The Economics of Uncertainty and Decision Theory”. Invited address at *Environmental Decisions: Risks and Uncertainties* Conference sponsored by IED/ETH Zurich, at Ascona, Switzerland, 25-29 April 2010.

“The Sources of Measured US Agricultural Productivity Growth”. Invited presentation at *Efficiency Measurement: New Methods and Applications to the Food Sector*. Toulouse School of Economics (IDEI/INRA), Toulouse, France, June 2011.

“Productivity Accounting for Separable Technologies”, Plenary Address, North American Productivity Workshop VI, Houston, Texas, June 2012.

“Sources of Measured Agricultural Productivity Growth”, Plenary Address, International Agricultural Trade Research Consortium, Sevilla, Spain, June 2013

“Invariant Preferences and Supply Response”, 133 EAAE Seminar, Chania, Crete, Greece, June 2013.

“On the Pricing of Undesireable Outputs”, Plenary address, European Agricultural Economics Association Congress, Ljubljana, August 2014.

“Economic Rhetoric and Climate Change”, University of Exeter, October 2014.

“Crop-Insurance Fundamentals”, University of Florida, November 2015.

“Thinking About Agricultural Productivity Accounting in the Presence of By-Products”, presented at *OECD Expert Workshop: Measuring Environmentally-Adjusted TFT for Agriculture*, OECD, Paris, France, December 14-15, 2015

“Weather and Technical Change as Sources of Measured US Agricultural Productivity Growth” (with Simone Pieralli), presented at *OECD Expert Workshop: Measuring Environmentally-Adjusted TFT for Agriculture*, OECD, Paris, France, December 14-15, 2015.

“Integrating Weather into Agricultural Total Factor Productivity Measurement”, presented at meeting of *OECD Network on Agricultural Total Factor Productivity and the Environment*, OECD, Paris, France, May 23-24, 2017.

“Modeling Undesireable Outputs State-Contingent Outputs”, presented to Joint Research Commission of the European Union, Seville, Spain, June 16, 2017.

“Sources of Measured US Agricultural Productivity Growth. Invited Public Lecture, Peking University, October 2017.

“Production Uncertainty and Profit Maximization”. Invited address to AAEA Risk Section Luncheon, Washington DC, August 2018.

“Incomplete Preferences, Willingness to Pay and Willingness to Accept”. Seminar presented at AEM, Cornell University, September 2018

“Production Uncertainty and Profit Maximization”. Invited Public Lecture, Peking University, October 2018.

“Ambiguity and Climate Change”. Presented to Summer School, Warwick University June 2019.

“Climate Change and US Agriculture”. Presented to Summer School, Warwick University, June 2019.

“The Millennium Droughts and Australian Agricultural Productivity Performance”. Peking University, December 2019

“The Millennium Droughts and Australian Agricultural Productivity Performance”. Nankai University, December 2019

“Nonlinear, but Nice, Engel Curves”. Distinguished Fellow Lecture, China Centre for Agricultural Policy, Peking University (online). November 2020

“Economic Analysis and Policy in Ambiguous Times”. Keynote Address. Australasian Agricultural and Resource Economics Society. February 9, 2021.

“GMOs and Agricultural Labor Productivity”. Plenary Address. 10th International Conference of the Asian Society of Agricultural Economics. December 8, 2021.

Work in Progress

“Risk, Uncertainty, and the Environmental Kuznets’ Curve” Robert G. Chambers and Tigran Melkonyan.

“Growth, Material Balance, and the Environmental Kuznets Curve” with Tigran Melkonyan, Sushama Murty, and Steve Levkoff

“Decomposing the Inverse Yield-Land-Size Relationship” with Simone Pieralli

“Crop-Insurance Fundamentals”. Robert G Chambers

“The Components of Canadian Agricultural Productivity Growth”. Sean Cahill and Robert G Chambers

“Marginal Analysis for General Technologies”. Robert G Chambers and Victor Podinovski

“Nonlinear but ‘Nice’ Engel Curves”. Robert G Chambers

“GMOs and Agricultural Productivity”. Robert G Chambers and Yu Sheng.

“Path-Dependent Gauges”. Robert G Chambers

Other Professional Activities

Numerous contributed presentations at professional conferences and congresses. Recipient of numerous competitive grants and contracts. Instructor in roughly 70 university classes in graduate and undergraduate agricultural economics. Participation in over numerous PhD committees. PhD supervisor for: Outstanding PhD thesis (Honorable Mention) AAEEA, 4 Dr. and Mrs. Bill V. Lessley PhD thesis award recipients (annually given since 1995 to best PhD thesis in AREC UM) and PhD recipients placed at (among others) University of Minnesota, University of Georgia, Columbia University, Iowa State University, University of British Columbia, Pennsylvania State University, Università di Verona, Toulouse, University of Bonn, and Washington State University. Service on numerous department, college, and university-level committees at UM. Comité de Selection de Professeur, France. Scientific Committee European Workshop on Efficiency and Productivity Analysis, Secretary International Society for Efficiency and Productivity Analysis