

CURRICULUM VITAE
November 2023

T. Edward Yu

Professor and Director of Graduate Studies

Department of Agricultural & Resource Economics, University of Tennessee
2621 Morgan Circle, Knoxville TN 37996-4518

Phone: 1 865-974-7411 • Fax: 1 865-974-9492 • E-mail: tyu1@utk.edu

NATURE OF APPOINTMENT: 85% Research (R) and 15% Teaching (T)

AREAS OF RESEARCH INTEREST

Bioenergy-agriculture-environment interface, biomass feedstock supply, location decision analysis, price analysis

ACADEMIC BACKGROUND AND EXPERIENCE

EDUCATION

Ph.D. Agricultural Economics, Texas A&M University, College Station, TX, 2005

M.S. Economics, Iowa State University, Ames, IA, 1998

B.A. Maritime Transportation Management, National Taiwan Ocean University, Taiwan, 1993

EMPLOYMENT HISTORY

Director of Graduate Studies, May 2022 – present

Agricultural & Resource Economics, University of Tennessee, Knoxville, TN

Professor, July 2020 – present

Agricultural & Resource Economics, University of Tennessee, Knoxville, TN

Visiting Associate Professor, August 2017 – January 2018

Applied Economics, National University of Kaohsiung, Kaohsiung, Taiwan

Associate Professor, July 2015 – June 2020

Agricultural & Resource Economics, University of Tennessee, Knoxville, TN

Assistant Professor, January 2009 – June 2015

Agricultural & Resource Economics, University of Tennessee, Knoxville, TN

International Oilseed and Biodiesel Analyst, December 2005 – December 2008

Food and Agricultural Policy Research Institute, Iowa State University, Ames, IA

Post-doc Research Associate, May 2005 – December 2005

Center for Agricultural and Rural Development, Iowa State University, Ames, IA

Research Assistant/Associate, June 2000 – May 2005

Agricultural Economics, Texas A&M University, College Station, TX

AWARDS AND HONORS

- **Buford and Beatrice Irwin Endowed Faculty Fellow**, Department of Agricultural & Resource Economics, University of Tennessee, May 2023 – present
- **Invited candidature for the Eni Award 2020**, Eni award Initial Selection Committee, Italy
- **Outstanding Overseas Visiting Scholar Grant**, Ministry of Science & Technology, Taiwan, August 2017 – January 2018.
- **Emerging Scholar Award**, Southern Agricultural Economics Association, 2014
- **Faculty Team Research Award of Gamma Sigma Delta**, 2013
- **Second Place Prize in Poster Competition**, Southern Agricultural Economics Association, 2013
- **Major Advisor for Outstanding M.S. Thesis Award (advisee: Yuan Gao)**, Southern Agricultural Economics Association, 2012
- **Scholar Travel Grant**, International Association of Agricultural Economists, 2009
- **Finalist in Poster Competition**, American Agricultural Economics Association, 2008
- **First Place Prize in Poster Competition**, American Agricultural Economics Association, 2007
- **Best Paper Award in Rural and Agricultural Transportation**, Transportation Research Forum, 2006, 2004 & 2003

RESEARCH PRODUCTIVITY

PUBLICATIONS [¹my role as the corresponding author; ²postdoc or graduate student advised or instructed by me; ³graduate student for whom I served as committee member]

Refereed papers

1. Aguirre, J., P. Rojas, **T.E. Yu**, and J. Yenerall. 2023. "Spatial Spillovers and the Relationship Between Deforestation and Malaria - Evidence from the Peruvian Amazon." *Journal of Environmental Planning and Management*, Accepted.
2. Reed, C.², **T.E. Yu**¹, and D.W. Hughes. 2023. "Evaluating the factors influencing the location strategies of specialty grocers versus traditional supermarkets in the United States." *Applied Geography*, 158, 103034. <https://doi.org/10.1016/j.apgeog.2023.103034> [Scopus, SSCI]
3. Martinez, C., P. Li², C.N. Boyer, **T.E. Yu**, and J. Maples. 2023. "Beef Price Spread Relationship with Processing Capacity Utilization." *Journal of the Agricultural and Applied Economics Association*, 2(1):133-145. <https://doi.org/10.1002/jaa2.48>
4. Martinez, C., C.N. Boyer, **T.E. Yu**, A. Smith, A. Rabinowitz. 2023. "Ad Hoc Government Payments Impact on Non-Real Estate Farm Debt." *Agricultural Finance Review*, 83(1): 83-95 <https://doi.org/10.1108/AFR-09-2021-0129>. [EconLit, Scopus]
5. Marks, M.L.³, J. Thompson, S. Upendram, and **T.E. Yu**. 2022. "Global Animal Protein Trade Impacts of Large-scale Human Health Events." *Western Economics Forum*, 20(2):36-49.

6. Yenerall, J.N., K.L. Jensen, X. Chen, and T.E. Yu. 2022. "COVID-19 Risk Perception and Restaurant Utilization after Easing In-person Restrictions." *Food Policy*, 107:102266, <https://doi.org/10.1016/j.foodpol.2021.102206>. [SCIE, Scopus]
7. Sharma, B.², T.E. Yu¹, B.C. English, and C.N. Boyer. 2021. "Economic Analysis of Developing a Sustainable Aviation Fuel Supply Chain Incorporating with Carbon Credits: A Case Study of the Memphis International Airport." *Frontiers in Energy Research*, 9:802, <https://www.frontiersin.org/articles/10.3389/fenrg.2021.775389/full>. [SCIE, Scopus]
8. Trejo-Pech, C.O., J. Larson, B.C. English, and T.E. Yu. 2021. "Biofuel Discount Rates and Stochastic Techno-Economic Analysis for a Prospective Pennycress (*Thlaspi arvense* L.) Sustainable Aviation Fuel Supply Chain." *Frontiers in Energy Research*, 9:867 <https://doi.org/10.3389/fenrg.2021.770479>. [SCIE, Scopus]
9. Jensen, K.L., J.N. Yenerall, X. Chen, and T.E. Yu. 2021. "United States Consumers' Online Shopping Behaviors and Intentions During the COVID-19 Pandemic." *Journal of Agricultural and Applied Economics*, 53(3):416-434. [ESCI, Scopus]
10. Chen, C.R., T.E. Yu, and R.J.C. Fu. 2021. "Strategic Management for Community-Based Markets: from Consumers' Perspectives and Experiences." *Sustainability*, 13(10), 5469. <https://doi.org/10.3390/su13105469> [SCIE, SSCI, Scopus]
11. Lan, Kai., L. Ou, S. Park, S.S. Kelley, B.C. English, T.E. Yu, and J.A. Larson. 2021. "Techno-Economic Analysis of Decentralized Preprocessing Systems for Fast Pyrolysis Biorefineries with Blended Feedstocks in the Southeastern United States." *Renewable & Sustainable Energy Reviews*, 143:June 2021, 110881. <https://doi.org/10.1016/J.RSER.2021.110881> [SCIE, Scopus]
12. Patwary, A.L.², T.E. Yu¹, B.C. English, D.W. Hughes, and S. Cho. 2021. "Estimating the Rebound Effect of the US Road Freight Transport." *Transportation Research Record*, 2675(6):165-174. <https://doi.org/10.1177/0361198121991494> [SCIE, Scopus]
13. Muhammad, A., S.A. Smith, and T.E. Yu. 2021. "COVID-19 and Cotton Import Demand in China." *Agribusiness: An International Journal*. 37(1): 3-24. [SCIE, SSCI, Scopus]
14. Boyer, C.N., T.E. Yu, J. Rhinehart, A. Ahles, and M. Gill. 2020. "Does Tennessee Master Beef Producer Program Impact Technical Efficiency." *Western Economic Forum*, 18(2):7-14.
15. Lan, K., S. Park, S. Kelley, B. English, T.E. Yu, J. Larson, Y. Yao. 2020. "Impacts of Uncertain Feedstock Quality on the Economic Feasibility of Fast Pyrolysis Biorefineries with Blended Feedstocks and Decentralized Preprocessing Sites in the Southeastern United States." *GCB Bioenergy*, 12(11):1014-29. [SCIE]
16. Sharma, B.², T.E. Yu¹, B.C. English, C.N. Boyer, and J.A. Larson. 2020. "Impact of Government Subsidies on a Cellulosic Biofuel Sector with Diverse Risk Preferences toward Feedstock Uncertainty." *Energy Policy*, 146:November 2020, 111737. <https://doi.org/10.1016/j.enpol.2020.111737> [SCIE, SSCI, Scopus]
17. Dellachiesa, A. and T.E. Yu¹. 2019. "The Impact of Output, Energy and Trade on Greenhouse Gas Emissions in Mercosur Member States: A Panel Cointegration Analysis." *Brazilian Review of Economics and Agribusiness*, 17:151-170.

18. Trejo-Pech, C.O., J. Larson, B.C. English, and **T.E. Yu**. 2019. "Cost and Profitability Analysis of a Prospective Pennycress to Sustainable Aviation Fuel Supply Chain in Southern USA." *Energies*, 12(16), 3055. <https://doi.org/10.3390/en12163055> [SCIE, Scopus]
19. Koç, A.A., **T.E. Yu**¹, T. Kıymaz, and B. Sharma². 2019. "Effects of Government Supports and Credits on Turkish Agriculture: A Spatial Panel Analysis." *Journal of Agribusiness in Developing and Emerging Economies*, 9:391-401. [ESCI, Scopus]
20. Sharma, B.², S. Cho, and **T.E. Yu**. 2019. "Designing Cost-effective Payments for Forest-based Carbon Sequestration: An Auction-based Modeling Approach." *Forest Policy and Economics*, 104:182-194. [SCIE, SSCI, Scopus]
21. Cho, S., M. Soh³, B.C. English, **T.E. Yu**, and C.N. Boyer. 2019. "Targeting Payments for Forest Carbon Sequestration Given Ecological and Economic Objectives." *Forest Policy and Economics*, 100:214-226. [SCIE, SSCI, Scopus]
22. Sharma, B.², **T.E. Yu**¹, B.C. English, C.N. Boyer, and J.A. Larson. 2019. "Stochastic Optimization of Cellulosic Biofuel Supply Chain under Feedstock Yield Uncertainty." *Energy Procedia*, 158:1009-1014. [Scopus]
23. De Matteis, M.C.², **T.E. Yu**¹, C.N. Boyer and K.E. DeLong. 2019. "Analyzing Determinants of U.S. Distillers Dried Grains with Solubles Exports." *Agribusiness: An International Journal*, 35(2):168-181. [SCIE, SSCI, Scopus]
24. **Yu, T.E.**¹, B. Sharma², and B.C. English. 2019. "Investigating Lock Delay on the Upper Mississippi River: a Spatial Panel Analysis." *Networks and Spatial Economics*, 19:275-291 [SCIE]
25. Tong, T. and **T.E. Yu**¹. 2018. "Transportation and Economic Growth in China: A Heterogeneous Panel Causality Analysis." *Journal of Transport Geography*, 73:120-130. [SSCI, Scopus]
26. Cho¹, S., J. Lee³, R.K. Roberts, **T.E. Yu**, P.R. Armsworth. 2018. "Impact of Market Conditions on the Effectiveness of Payments for Forest-based Carbon Sequestration," *Forest Policy and Economics*, 92:33-42. [SCIE, SSCI, Scopus]
27. De Matteis², M.C., **T.E. Yu**¹, C.N. Boyer, K.E. Lewis, and J. Smith. 2018. "Economic and Environmental Implications of Incorporating Distillers' Dried Grains with Solubles in Feed Rations of Growing and Finishing Swine in Argentina." *International Food and Agribusiness Management Review*, 21(6):803-816. [SCIE, Scopus]
28. Lambert, L., B.C. English, D.M. Lambert, O. Shylo, J.A. Larson, **T.E. Yu**, and B. Wilson. 2018. "Determining a Geographic High Resolution Supply Chain Network for a Large Scale Biofuel Industry." *Applied Energy*, 218:266-281. [SCIE, Scopus]
29. Zhong, J.², **T.E. Yu**¹, C.D. Clark, B.C. English, and J.A. Larson. 2018. "Effect of Land Use Change for Bioenergy Production on Feedstock Cost and Water Quality." *Applied Energy*, 210:580-590. [SCIE, Scopus]
30. Cheng, C.L., E. Perfect, **T.E. Yu**, and M. Gragg. 2017. "Impact of the Capillary Pressure-Saturation Pore-Size Distribution Parameter on Geological Carbon Sequestration Estimates." *Journal of Sustainable Mining*, 16:67-72. [Scopus]

31. Kim, M., H.A., Tejada and **T.E. Yu**. 2017. "U.S. Milled Rice Markets and Integration across Regions and Types." *International Food and Agribusiness Management Review*, 20(5):623-636. [SCIE, Scopus]
32. Cho, S., J. Lee³, R.K. Roberts, B.C. English, **T.E. Yu**, T. Kim, P.R. Armsworth. 2017. "Evaluating a County-level Tax-based Subsidy Approach for Forest Carbon Sequestration." *Environmental Conservation*, 44(3):234-243. [SSCI]
33. **Yu, T.E.**¹, D. Lambert, S. Cho, A.A. Koç, G. Boluk, and S. Kim. 2017. "A Spatial Analysis of the Relationship between Agricultural Output and Input Factors in Turkey." *NEW MEDIT*, 16(1):11-17. [SCIE, Scopus]
34. Aboytes, M., K.K. Castillo-Villar, **T.E. Yu**, C. Boyer, B. English, J. Larson, L. Kline, and N. Labbé. 2016. "A Principal Component Analysis in Switchgrass Chemical Composition." *Energies*, 9:913, DOI:10.3390/en9110913. [SCIE, Scopus]
35. Tong, T.², **T.E. Yu**¹, K.L. Jensen, D. de la Torrey Ugarte, and S. Cho. 2016. "Impact of Public Infrastructure on Output of U.S. Food Manufacturing Industries: A Heterogeneous Dynamic Panel Approach." *Agribusiness: an International Journal*, 32:439-453. [SCIE, SSCI, Scopus]
36. **Yu, T.E.**¹, J.A. Larson, B.C. English, J.S. Fu, and J. Calcagno, and B. Wilson. 2016. "Dedicated Energy Crops Supply Chains and Associated Feedstock Transportation Emissions: A Case Study of Tennessee." *Journal of Transportation Research Forum*, 55:51-66. [EconLit]
37. Zhong, J.², **T.E. Yu**¹, J.A. Larson, B.C. English, J.S. Fu, and J. Calcagno III. 2016. "Analysis of Environmental and Economic Tradeoffs in Switchgrass Supply Chains for Biofuel Production." *Energy*, 107:791-803. [SCIE, Scopus]
38. **Yu, T.E.**¹, B.C. English, L. He, J.A. Larson, J. Calcagno, J.S. Fu, and B. Wilson. 2016. "Analyzing Economic and Environmental Performance of Switchgrass Biofuel Supply Chains." *BioEnergy Research*, 9:566-577. [SCIE]
39. Kwon, S.³, S. Cho, R. Roberts, H.J. Kim, K. Park, and **T.E. Yu**. 2016. "Estimating the Short-run and the Long-run Effects of Electricity Price on Electricity Intensity across Regions." *Applied Energy*, 172:372-382. [SCI]
40. Boyer, C.N., **T.E. Yu**, B.C. English, J.A. Larson, N. Labbe, and L. McCulloch. 2016. "Impact of an Innovated Storage Technology on the Quality of Preprocessed Switchgrass Bales." *AIMS Bioengineering*, 3(2):125-138. [ESCI]
41. Kwon, S.³, S. Cho, R. Roberts, T. Kim, H.J. Kim, K. Park, and **T.E. Yu**. 2016. "Effects of Electricity-price Policy on Electricity Demand and Manufacturing Output." *Energy*, 102:324-334. [SCI]
42. Kline, L.M., N. Labbé, C. Boyer, **T.E. Yu**, B.C. English, and J.A. Larson. 2016. "Investigating the Impact of Biomass Quality on Near-infrared Models for Switchgrass Feedstocks," *AIMS Bioengineering*, 3(1):1-22. [ESCI]
43. Chugh, S.², **T.E. Yu**¹, S. Jackson, B.C. English, J.A. Larson, and S. Cho. 2016. "Economic Analysis of Alternative Logistics Systems for Tennessee-Produced Switchgrass to Penetrate the Energy Markets." *Biomass and Bioenergy*, 85:25-34. [SCI]
44. Jensen, K.L., D.M. Lambert, C.D. Clark, C. Holt, B.C. English, J.A. Larson, **T.E. Yu**, and C. Hellwinckel. 2015. "Cattle Producers' Willingness to Adopt and Expand

- Prescribed Grazing in the United States.” *Journal of Agricultural and Applied Economics*, 47:213-242. [EconLit]
45. **Yu, T.E.**¹, B.C. English, J.A. Larson, C.N. Boyer, D.D. Tyler, and K.K. Castillo-Villar. 2015. “Influence of Particle Size and Packaging on Storage Dry Matter Losses for Switchgrass.” *Biomass and Bioenergy*, 73:135-144. [SCI]
 46. Larson, J.A., **T.E. Yu**, B.C. English, K.L. Jensen, Y. Gao² and C. Wang. 2015. “Effect of Outdoor Storage Losses on Feedstock Inventory Management and Plant-Gate Cost for a Switchgrass Conversion Facility in East Tennessee.” *Renewable Energy*, 74:803-814. [SCI]
 47. **Yu, T.E.**¹ L. He, B.C. English, and J.A. Larson. 2014. “GIS-based Optimization for Advanced Biofuels Supply Chains: A Case Study in Tennessee”, *Lecture Notes in Management Science*, 6:217-229.
 48. **Yu, T.E.**¹, Z. Wang², B.C. English and J.A. Larson. 2014. “Designing a Dedicated Energy Crop Supply System in Tennessee: A Multi-objective Optimization Analysis.” *Journal of Agricultural and Applied Economics*, 46:357-374. [EconLit]
 49. Tong, T.², **T.E. Yu**¹, and R. Roberts. 2014. “Dynamics of Transport Infrastructure, Exports and Economic Growth in the United States.” *Journal of Transportation Research Forum*, 53(1):65-81. [EconLit]
 50. **Yu, T.**¹, S. Cho, A.A. Koç, G. Boluk, S. Kim, D. Lambert. 2014. “Evaluating Spatial and Temporal Variation in Agricultural Output Elasticities in Turkey.” *Agricultural Economics*, 45:279-290. [SCI, SSCI]
 51. Tong, T.², **T.E. Yu**¹, S. Cho, K. Jensen, and D. de la Torre Ugarte. 2013. “Evaluating the Spatial Spillover Effect of Transportation Infrastructure on Agricultural Output across the United States.” *Journal of Transport Geography*, 30:47-55. [SSCI]
 52. English, B.C., **T.E. Yu**, J.A. Larson, R.J. Menard, and Y. Gao². 2013. “Economic Impacts of Using Switchgrass as a Feedstock for Ethanol Production: A Case Study Located in East Tennessee.” *Economics Research International*, vol. 2013, Article ID 138485, doi:10.1155/2013/138485 [EconLit]
 53. Cho, S., **T. Yu**, S. Kim, R. Roberts, and D. Lee. 2012. “Applying Directed Acyclic Graphs to Assist Specification of a Hedonic Model.” *Housing Studies*, 27:984-1007. [SSCI]
 54. **Yu, T.**¹, S. Cho and S. Kim. 2012. “Assessing the Residential Property Tax Revenue Impacts of a Shopping Center.” *Journal of Real Estate Finance and Economics*, 45:604-621. [SSCI]
 55. **Yu, T.**¹, S. Tokgoz, E. Wailes and E. Chavez. 2011. “A Quantitative Analysis of Trade Policy Responses to Higher World Agricultural Commodity Prices.” *Food Policy*, 36:545-561. [SCI, SSCI]
 56. **Yu, T.**¹, M. Kim and S. Cho. 2011. “Does Trade Liberalization Induce More Greenhouse Gas Emissions? The Case of Mexico and the United States under NAFTA.” *American Journal of Agricultural Economics*, 93(2): 545-552. [SCI, SSCI]
 57. **Yu, T.**¹, C. Hart and W. You. 2011. “Evaluating Food-fuel Trade-offs via Market Choice: The Case of Iowa Corn Producers.” *Green: The International Sustainable Energy Conversion and Storage*, 1:123-126.

58. Fabiosa, J. F., J. C. Beghin, F. Dong, A. Elobeid, S. Tokgoz, and **T. Yu**. 2010. "Land Allocation Effects of the Global Ethanol Surge: Predictions from the International FAPRI Model." *Land Economics*, 86(4):687-706. [SSCI]
59. Larson, J., **T. Yu**, B. English, D. Mooney, and C. Wang. 2010. "Cost Evaluation of Alternative Switchgrass Producing, Harvesting, Storing, and Transporting Systems and their Logistics in the Southeastern U.S." *Agricultural Finance Review*, 70(2):184-200. [EconLit]
60. Brookes, G., **T. Yu**, S. Tokgoz, and A. Elobeid. 2010. "The Production and Price Impact of Biotech Corn, Canola and Soybean Crops." *AgBioForum*, 13(1):25-52. [EconLit]
61. Hayes, D.J., B.A. Babcock, J.F. Fabiosa, S. Tokgoz, A. Elobeid, **T. Yu**, F. Dong, C.E. Hart, W. Thompson, S. Meyer, E. Chavez, S. Pan. 2009. "Biofuels: Potential Production Capacity, Effects on Grain and Livestock Sectors, and Implications for Food Prices and Consumers." *Journal of Agricultural and Applied Economics*, 41:465-491. [EconLit]
62. Tokgoz, S., A. Elobeid, J. Fabiosa, D.J. Hayes, B.A. Babcock, **T. Yu**, F. Dong, and C. Hart. 2008. "Bottlenecks, Drought, and Oil Price Spikes: Impact on U.S. Ethanol and Agricultural Sectors." *Review of Agricultural Economics*, 30:604-622. [SCI, SSCI]
63. Searchinger, T., R. Heimlich, R. Houghton, F. Dong, A. Elobeid, J. Fabiosa, S. Tokgoz, D. Hayes, and **T. Yu**. 2008. "Use of U.S. Croplands for Biofuels Increases Greenhouse Gases through Emissions from Land Use Change." *Science*, 319(February 29): 1238-1240. [SCI]
64. **Yu, T.¹**, D.A. Bessler and S.W. Fuller. 2007. "Price dynamics in U.S. Grain and Freight Markets." *Canadian Journal of Agricultural Economics*, 55:381-397. [SCIE, SSCI]
65. **Yu, T.¹**, D.A. Bessler and S.W. Fuller. 2006. "Effect of Lock Delay on Grain Barge Rates: Examination of Upper Mississippi and Illinois Rivers." *Annals of Regional Science*, 40:887-908. [SSCI]
66. **Yu, T.¹**, J. Zhang and S.W. Fuller. 2006. "Freight Transportation Demands on the Upper Mississippi and Illinois Rivers." *Journal of Transportation Research Forum*, 45:119-136. [EconLit]
67. **Yu, T.¹** and S.W. Fuller. 2005. "The Measurement of Grain Barge Demand on Inland Waterways: A Study of the Upper Mississippi River." *Journal of Transportation Research Forum*, 44:27-39. [EconLit]
68. Fuller, S.W., **T. Yu**, L. Fellin, A. Lalor, and R. Krajewski. 2003. "Transportation Developments in South America and Their Effect on International Agricultural Competitiveness." *Transportation Research Record*, No. 1820:62-68. [SCI]
69. Fuller, S.W., **T. Yu**, L. Fellin, A. Lalor, and R. Krajewski. 2002. "Effects of Improving Transportation Infrastructure on Competitiveness in World Grain Markets." *Journal of International Food and Agribusiness Marketing*, 13:61-85. [Scopus]
70. **Yu, T.¹**, C.P. Baumel, C.L. Hardy, M.J. McVey, L.A. Johnson, and J.L. Sell. 2002. "Impacts of Six Genetic Modifications of Corn on Feed Cost and Consumption of Traditional Feed Ingredients." *Agribusiness: An International Journal*, 18:115-127. [SCI, SSCI]

71. Johnson, L.A., C.L. Hardy, C.P. Baumel, **T. Yu**, and J.L. Sell. 2001. "Identifying Valuable Corn Quality Traits for Livestock Feed." *Cereal Foods World*, 46:472-481. [SCI]
72. **Yu, T.**¹, C.P. Baumel, M.J. McVey and J.L. Sell. 2001. "Economics of the Use of Imported U.S. High Oil Corn in Swine and Poultry Production." *Agribusiness: An International Journal*, 17:39-56. [SCI, SSCI]

Refereed chapters in books

1. **Yu, T.E.**¹, P. Rojas, Y. Campana, D.W. Hughes. and J. Aguirre. 2024. "Highway Project and Residential Property Quality: the case of Vías Nuevas de Lima." J. Cohen, ed. *Urban Economics, Real Estate, Transportation and Public Policy*, World Scientific Publishers, Singapore. <https://www.worldscientific.com/worldscibooks/10.1142/13288#t=aboutBook>
2. **Yu, T.E.**¹, B.C. English, J. Zhong², J.A. Larson, J.S. Fu, L. He-Lambert, and B. Wilson. 2021. "High-resolution Multi-objective Optimization of Sustainable Supply Chains for a Large Scale Lignocellulosic Biofuel Industry." C. Chen, V. Jayaraman, and Y. Chen, ed. Chapter 14, *Pursuing Sustainability: OR/MS Applications in Sustainable Design, Manufacturing, Logistics, and Resource Management*, International Series in Operations Research and Management Science, Springer, New York.
3. **Yu, T.**¹, S. Tokgoz, E. Wailes and E. Chavez. 2017. "A Quantitative Analysis of Trade Policy Responses to Higher World Agricultural Commodity Prices." A. Bouët and D. Laborde, ed. Chapter 11, 365-401. *Agriculture, Development, and the Global Trading System: 2000-2015*, International Food Policy Research Institute, Washington, D.C.
4. Lambert, D.M.¹, B.C. English, R.J. Menard, B. Wilson, K.L. Jensen, **T.E. Yu**. 2016. "Ex-Ante Economic Impacts of a Short Rotation Woody Crop-Pyrolysis Biofuel Industry on the Southeastern US Economy." In *Auburn Speaks: On Biofuel*, S Taylor, editor. Auburn University Press, Auburn, AL.
5. Fabiosa, J.¹, J. Beghin, F. Dong, A. Elobeid, S. Tokgoz, and **T. Yu**. 2010. "The Global Bioenergy Expansion: How Large Are the Food-Fuel Trade-offs?" In M. Khanna, J. Scheffran, and D. Zilberman, eds. Chapter 8, *Handbook of Bioenergy Economics and Policy*, Springer, New York.
6. **Yu, T.** with FAPRI staff. 2007. "U.S. Proposal for WTO Agriculture Negotiations: Its Impact on U.S. and World Agriculture." In Sridhar Krishna, ed. *Agricultural Subsidies: Perspectives & Issues*, ICAFI University Press, Bangalore, India.

Book reviews

1. **Yu, T.E.**¹ 2014. Book Review, "Transportation and Economic Development Challenges." *Journal of Transportation Research Forum*, 53:129-131.

Manuscripts in review

1. Martinez, C., C.N. Boyer, **T.E. Yu**, P. Li², and J. Maples. "Fed Cattle Negotiated Cash Price Response to Slaughter Capacity Utilization."
2. Martinez, C., C.N. Boyer, **T.E. Yu**, P. Li², and D. Anderson. "Estimating Pork Primal Price Relationships Using a Threshold Vector Autoregressive Analysis."

3. Li, P.², **T.E. Yu**, C. Trejo-Pech, J.A. Larson, B.C. English, and D. Lanning. “Assessing the Impact of Preprocessing and Conversion Technologies on the Sustainable Aviation Fuel Supply from Forest Residues in the Southeast U.S.”
4. Patwary, L.², **T.E. Yu**¹, D.W. Hughes, B.C. English, and S. Cho. “Efficiency Estimation of US Airports Using a Dynamic Two-Stage DEA Model.”

Proceedings and abstracts

1. Jiang, J., **T.E. Yu**¹, Z. Wang, Q. Diming, and W. Huang. 2018. Analyzing the Size and Affecting Factors of Household Food Waste in China. # 277511, 30th International Conference of Agricultural Economics, Vancouver, Canada. July 28 – August 2.
2. Sharma, B.², **T.E. Yu**¹, B.C. English, C.N. Boyer, and J.A. Larson. 2017. Impact of Subsidies on the Optimization of a Stochastic Biofuel Supply Chain with Different Risk Preferences, Proceedings of the 5th International Conference on Environment Pollution and Prevention, Singapore. December 14-16.
3. **Yu, T.E.**¹, J. Calcagno, and J. S. Fu. 2017. Estimation of CO₂ Emissions from Grain Transportation in the United States. Proceedings of Air and Waste Management Association 110th Annual Conference and Exhibition, Vol 4, 2486-2491. Pittsburgh, PA. June 5-8.
4. Lambert, L¹, B. C. English, J. A. Larson, **T.E. Yu**, B. Wilson, and O. Shylo. 2016. Optimization of Large-Scale Tennessee Bioenergy Production from Field to Blending Facility. Proceedings of the Institute for Operations Research and the Management Sciences annual meeting, Nashville, TN. November 13-16.
5. Eatherly, R.³, A. Smith¹, and **T.E. Yu**. 2016. Spent Microbial Biomass as An Alternative Fertilizer: A Spatial Cost And Optimal Product Mix Analysis. Proceedings of the Institute for Operations Research and the Management Sciences annual meeting, Nashville, TN. November 13-16.
6. De Matteis, M.², and **T.E. Yu**¹. 2016. Effects of Adopting DDGS in the Feed Ration for the Swine Industry in Argentina. Proceedings of the Institute for Operations Research and the Management Sciences annual meeting, Nashville, TN. November 13-16.
7. **Yu, T.E.**¹, D.M. Lambert, B.C. English, J.S. Fu, B. Wilson, and J. Calcagno. An Estimation of Truck Emissions from Hauling Biomass Feedstock to Advanced Biofuel Production. TRB annual meeting online, 16-6886, Washington, DC, January 10-14, 2016.
8. **Yu, T.E.**¹, B.C. English, J.A. Larson, J.A. Calcagno, J.S. Fu, and B. Wilson. Cellulosic Biofuel Supply Chains and its Greenhouse Gas Emissions Impact: A Case Study in West Tennessee. TRB annual meeting online, 15-5344, Washington, D.C. January 11-15, 2015.
9. English, B.C.¹, Z. Wang², **T.E. Yu** and J.A. Larson. 2013. Optimization of Cost and Greenhouse Gas Emissions of a Dedicated Energy Crop Supply System to Biorefineries in Tennessee. *USAEE Dialogue*. 21(3).
10. **Yu, T.E.**¹, C. Hart, and X. Du. 2013. An Empirical Investigation of the Ownership of Large Grain Hauling Vehicles by Farmers: A Case Study of Iowa. *Journal of Agricultural and Applied Economics*. 45:577.

11. Wang, Z.², T.E. Yu¹, J.A. Larson and B.C. English. 2013. Greenhouse Gas Emission of an Economically Optimized Switchgrass Supply Chain for Biofuel Production: A Case Study in Tennessee. *Journal of Agricultural and Applied Economics*. 45:577.
12. Yu, T.E.¹, J.A. Larson and B.C. English. 2013. Assessing the Cost of Supplying Alternative Dedicated Energy Crops for Biofuel Production in Tennessee. *Journal of Agricultural and Applied Economics*. 45:577.
13. Tong, T.², T. Yu¹, S. Cho, D. de la Torre Ugarte, and K. Jensen. "Spatial Spillover Effect of Transportation Infrastructure on Agricultural Output across the United States: An Empirical Investigation." TRB annual meeting online, 13-1648, Washington, D.C. January 13-16, 2013.
14. Yu, T.¹, J.S. Fu, J.A. Larson, B.C. English, D. de la Torre Ugarte, J. Yun, J. Calcagno, III, and B. Wilson, "Modeling Air Quality Impacts of Feedstock Transportation for Cellulosic Biofuel Production in Tennessee." TRB annual meeting online, 13-1650, Washington, D.C. January 13-16, 2013.
15. Yu, T.¹, J.S. Fu, J.A. Larson, B.C. English, D. De La Torre Ugarte, B. Wilson, J. Yun, Y. Gao², and J. Calcagno, III. "Transportation Emissions Impact of Biomass Feedstock Traffic of Potential Commercial-scale Biorefinery in East Tennessee." TRB annual meeting online, 12-4035, Washington, D.C. January 22-26, 2012.
16. Yu, T.¹, Y. Gao², J.A. Larson, B.C. English, B. Wilson, and R.J. Menard. "Modeling Trucking Flows of Switchgrass Feedstock to Biorefinery and Accompanying Impact on Regional Economy: A Case Study of Tennessee." TRB annual meeting online, 12-3957, Washington, D.C. January 22-26, 2012.
17. Yu, T.E.¹, J.A. Larson, Y. Gao², and B.C. English. 2012. "Analyzing the Economics of an Alternative Preprocessing Technology in the Switchgrass Logistics System for a Biorefinery in East Tennessee," *Proceedings from Sun Grant National Conference: Science for Biomass Feedstock Production and Utilization, Vol. 2*, October 2-5, New Orleans, Louisiana.
18. Yu, T.E.¹, J.S. Fu, J.A. Larson, B.C. English. 2012. "Feedstock Costs and Transportation Emissions and Their Impact on the Site Selection of a Switchgrass-based Biorefinery: A Case Study in Tennessee" *Proceedings from Sun Grant National Conference: Science for Biomass Feedstock Production and Utilization, Vol. 2*, October 2-5, New Orleans, Louisiana.
19. Larson, J.A.¹, B.C. English, T.E. Yu, N. Labbé, and D.D. Tyler. 2012. "Effects of Outdoor Storage on the Composition of Switchgrass," *Proceedings from Sun Grant National Conference: Science for Biomass Feedstock Production and Utilization, Vol. 2*, October 2-5, New Orleans, Louisiana.
20. Yu, T.¹, J.A. Larson, B.C. English, and Y. Gao². 2011. "Evaluating the Optimal Logistics System of Biomass Feedstocks for a Biorefinery with Alternative Harvest, Storage and Preprocessing Options: A Case Study of East Tennessee," *Proceedings of American Society of Agricultural and Biological Engineering Annual International Meeting 2011*, 3733-3740. August 7-10, Louisville, Kentucky.

21. **Yu, T.**¹ and C. Hart. 2009. "Impact of Biofuel Industry Expansion on Grain Utilization and Distribution: Preliminary Results of Iowa Grain and Biofuel Survey." *Journal of Agricultural and Applied Economics* 41(August):548.
22. Elobeid A.¹, S. Tokgoz, J. Fabiosa, D.J. Hayes, B.A. Babcock, **T. Yu**, F. Dong, C.E. Hart, and J.C. Beghin. 2008. "Analyzing the Long-Run Impact of Ethanol Expansion on U.S. Crop, Livestock, and Dairy Markets." *2008 Southwest Nutrition and Management Conference Proceedings*, Tempe, Arizona.
23. **Yu, T.**¹, J. Zhang and S.W. Fuller. "Freight Transportation Demand on Upper Mississippi and Illinois Rivers." TRB 85th annual meeting CD-ROM, Washington, DC. January 22-26, 2006.
24. **Yu, T.**¹, S.W. Fuller, and D.A. Bessler. 2003. "Lock Congestion and Its Impact on Grain Barge Rates on the Upper Mississippi River." *Journal of Agricultural and Resource Economics* 28(December):655.
25. **Yu, T.**¹, S.W. Fuller and D.A. Bessler. 2003. "Lock Congestion and Barge Rates on the Upper Mississippi River." TRB 82nd annual meeting CD-ROM, Washington, DC. January 11-15.
26. Fuller, S.W.¹, **T. Yu**. 2002. "Transportation's Role in Competing in Global Agricultural Markets". *Proceedings of A National Forum on Agricultural and Transportation Links*. Upper Great Plains Transportation Institute, Fargo, North Dakota.
27. **Yu, T.**, C.P. Baumel¹, C.L. Hardy, L.A. Johnson, M.J. McVey, and J.L. Sell. 2000. "Economics of Use of Different Types of Corn in Poultry Diets." *2000 Midwest Poultry Federation Convention Proceedings*, St. Paul, Minnesota.
28. Baumel, C.P.¹, **T. Yu**, C.L. Hardy, M.J. McVey, and J.L. Sell. 1998. "Impact of Six Genetic Modifications of Corn on Feed Cost and the Consumption of Traditional Feed Ingredients." *The 10th Integrated Crop Management Conference Proceedings*, Ames, Iowa.

In-house publication and project reports

1. Kessler, L.M., D.J. Bruce, T. Kuhn, S. Neller, A.M. Shute, E.L. Taylor, A. Muhammad, A. Griffith, D. Hughes, J. Menard, A. Smith, S. Upendram, **T.E. Yu**, E. Hatfield, K. Rasmussen, and T. Johnson. 2023. *An Economic Report to the Governor of the State of Tennessee*, University of Tennessee.
2. Kessler, L.M., W.F. Fox, E.P. Hargaden, M.C. Harris, T. Kuhn, K. Jensen, B.C. English, J. Menard, A. Griffith, D. Hughes, A. Muhammad, A. Rihn, A. Smith, S. Upendram and **T.E. Yu**. 2022. *An Economic Report to the Governor of the State of Tennessee*, University of Tennessee.
3. Kessler, L.M., D.J. Bruce, C.K. Carruthers, W.F. Fox, E.P. Hargaden, V.C. Cunningham, A.S. Norwood, R.H. Beem, Jr., K. Jensen, J. Menard, B. English, A. Griffith, D. Hughes, A. Muhammad, A. Rihn, A. Smith, **T.E. Yu**, J. Yenerall, E. Loveday. 2021. *An Economic Report to the Governor of the State of Tennessee*, UT R01-1493-327-001-21, University of Tennessee.

4. Murray, M.N., W.F. Fox, M. Harris, L.M. Kessler, V.C. Cunningham, M.E. Glenn, K. Jensen, J. Menard, B. English, A. Griffith, D. Hughes, A. Smith, and **T.E. Yu**. 2020. *An Economic Report to the Governor of the State of Tennessee*, UT R01-1493-327-001-20, University of Tennessee.
5. Murray, M.N., W.F. Fox, M. Harris, L.M. Kessler, V.C. Cunningham, M.E. Glenn, K. Jensen, J. Menard, B. English, A. Griffith, D. Hughes, A. Smith, and **T.E. Yu**. 2019. *An Economic Report to the Governor of the State of Tennessee*, UT R01-1493-327-001-19, University of Tennessee.
6. Murray, M.N., W.F. Fox, M. Harris, L.M. Kessler, V.C. Cunningham, M.E. Glenn, K. Jensen, J. Menard, B. English, A. Griffith, D. Hughes, A. Smith, and **T.E. Yu**. 2018. *An Economic Report to the Governor of the State of Tennessee*, UT R01-1493-327-001-18, University of Tennessee.
7. Murray, M.N., W.F. Fox, M. Harris, L.M. Kessler, V.C. Cunningham, M.E. Glenn, K. Jensen, J. Menard, B. English, A. Griffith, D. Hughes, A. Smith, and **T.E. Yu**. 2017. *An Economic Report to the Governor of the State of Tennessee*, UT R01-1493-309-001-17, University of Tennessee.
8. Murray, M.N., W.F. Fox, C.K. Carruthers, L.M. Kessler, V.C. Cunningham, M.E. Glenn, K. Jensen, J. Menard, B. English, A. Griffith, A. Smith, and **T.E. Yu**. 2016. *An Economic Report to the Governor of the State of Tennessee*, UT R01-1493-295-002-16, University of Tennessee.
9. **Yu, T.E.**, B.C. English and R.J. Menard. 2016. *Economic Impacts Analysis of Inland Waterway Navigability on the Transportation of Corn and Soybeans*. Staff Report #AE16-08. Department of Agricultural and Resource Economics, University of Tennessee. September.
10. **Yu, T.E.**, B.C. English, J.A. Larson, and J.S. Fu. 2015. *An Evaluation of the Economic Costs and Greenhouse Gases Emissions of a Biofuel Supply Chain in Tennessee*. Southeastern Sun Grant Center, University of Tennessee, Knoxville, TN.
11. **Yu, T.E.**, J.A. Larson, B.C. English, C.N. Boyer, and N. Labbe. 2014. *Economic Analysis of Biomass Incorporating the Physical and Chemical Quality of Switchgrass from an Alternative Densification Process*. AgResearch Innovation Grant Final Report, University of Tennessee, Institute of Agriculture, Knoxville, TN.
12. Larson, J.A., B.C. English, **T. Yu**, N. Labbe, and D.D. Tyler. 2013. *Economic Analysis of Ethanol Yield from Chopped and Densified versus Baled Switchgrass*. Southeastern Sun Grant Center, University of Tennessee, Knoxville, TN.
13. **Yu, T.**, B.C. English, J.A. Larson, D. de la Torrey Ugarte, J. Fu, and S. Richards. 2012. *Evaluating the Impacts of Biomass Feedstock Transportation on Air Quality: A Tennessee Case Study*. SP#12-001. Department of Agricultural & Resource Economics, University of Tennessee, Knoxville, TN.
14. **Yu, T.**, B.C. English, J.A. Larson, and S. Cho. 2011. *Evaluating the Economics of Incorporating Preprocessing Facilities in the Biomass Supply Logistics with an Application in East Tennessee*. Southeastern Sun Grant Center, U.S. Department of

Transportation, Research and Innovative Technology Administration, Knoxville, TN, June.

15. Brookes, G., **T. Yu**, S. Tokgoz, A. Elobeid. 2010. *The Production and Price Impact of Biotech Crops*. CARD Working Paper 10-WP 503, January.
16. **Yu, T.** and C. Hart. 2009. *The 2007/08 Iowa Grain and Biofuel Flow Study: A Survey Report*. CARD Staff Report 09-SR 103, August.
17. Fabiosa, J. F., J. C. Beghin, F. Dong, A. Elobeid, S. Tokgoz, and **T. Yu**. 2009. *Land Allocation Effects of the Global Ethanol Surge: Predictions from the International FAPRI Model*. CARD Working Paper 09-WP 488, March.
18. Hayes, D.J., B.A. Babcock, J.F. Fabiosa, S. Tokgoz, A. Elobeid, **T. Yu**, F. Dong, C.E. Hart, E. Chavez, S. Pan, M. Carriquiry, and J. Dumortier. 2009. *Biofuels: Potential Production Capacity, Effects on Grain and Livestock Sectors, and Implications for Food Prices and Consumers*. CARD Working Paper 09-WP 487, March.
19. **Yu, T.** and C. Hart. 2008. *The 2006/07 Iowa Grain and Biofuel Flow Study: A Survey Report*. CARD Staff Report 08-SR 102, October.
20. **Yu, T.** with FAPRI Staff. 2008. *FAPRI 2008 U.S. and World Agricultural Outlook*. Iowa State University and the University of Missouri, Ames, Iowa, Staff Report 08-FSR1, April.
21. **Yu, T.** with FAPRI Staff. 2007. *FAPRI 2007 U.S. and World Agricultural Outlook*. Iowa State University and the University of Missouri, Ames, Iowa, Staff Report 07-FSR1, May.
22. Tokgoz, S., A. Elobeid, J.F. Fabiosa, D.J. Hayes, B.A. Babcock, **T. Yu**, F. Dong, C.E. Hart, J.C. Beghin. 2007. *Emerging Biofuels: Outlook of Effects on U.S. Grain, Oilseed, and Livestock Markets*. CARD Staff Report 07-SR 101, May.
23. **Yu, T.** with FAPRI Staff. 2006. *FAPRI 2006 U.S. and World Agricultural Outlook*. Iowa State University and the University of Missouri, Ames, Iowa, Staff Report 06-FSR1, January.
24. **Yu, T.** with FAPRI Staff. 2005. *U.S. Proposal for WTO Agriculture Negotiations: Its Impact on U.S. and World Agriculture*. CARD Working Paper 05-WP 417 (online only), December.
25. Fuller, S. and **T. Yu**. 2004. *Briefing Paper on the Upper Mississippi and Illinois River Transportation Corridors: Grain Transportation Rates and Market Areas*. University of Missouri, Columbia, Missouri, FAPRI-UMC Briefing Paper #05-04, July.
26. Fuller, S. and **T. Yu**. 2004. *The Upper Mississippi and Illinois Rivers: Value and Importance of these Transport Arteries for U.S. Agriculture*. University of Missouri, Columbia, Missouri, FAPRI_UMC Briefing Paper #03-04, June.
27. **Yu, T.** and S. Fuller. 2003. *Estimated Grain Barge Demands for the Upper Mississippi and Illinois Rivers*. Texas A&M University, College Station, Texas, TAMRC Commodity Market Research Report, CM 1-03, September.

28. **Yu, T.** and S. Fuller. 2002. *Factors Affecting Lock Delay on the Upper Mississippi and Illinois Rivers and Effect of Lock Delay on Barge Rates*. Texas A&M University, College Station, Texas, TAMRC Consumer and Product Report CP 2-02.
29. **Yu, T.** and S. Fuller. 2002. *Evaluation of Factors Affecting Lock Delay on the Upper Mississippi and Illinois Rivers and Effect of Lock Delay on Barge Rates*. U.S. Department of Agriculture, Agricultural Marketing Service, Transportation and Marketing Division, Washington D.C.
30. Fuller, S.W., **T. Yu**, L. Fellin, A. Lalor, and R. Krajewski. 2001. *Effects of Improving South America's Transportation System on International Competitiveness in World Grain Markets*. Texas A&M University, College Station, Texas, TAMRC International Market Research Report No. IM-2-01.
31. Fuller, S.W., **T. Yu**, L. Fellin, A. Lalor, and R. Krajewski. 2001. *Improvements in South America's Grain Transportation System and its Affect on World Competitiveness*. USDA-AMS, Transportation and Marketing Division.
32. Fuller, S.W., **T. Yu**, D. Collier, J. Jamieson, and R. Harrison. 2001. *Texas Grain Transportation Study*. Center for Transportation Research, the University of Texas at Austin, and the Department of Agricultural Economics, Texas A&M University. A Report to the Texas Legislature, January.

Other publications

1. Martinez, C., P. Li, C.N. Boyer, **T.E. Yu**, and J. Maples. "Beef Price Spread Relationship with Processing Capacity Utilization." *Southern Ag Today* 3(10.2). March 7, 2023.
2. Elobeid, A., M. Carriquiry, S. Secchi and **T.E. Yu**. 2013. Editorial, "Economics of Bioenergy." *Economics Research International*. vol. 2013, Article ID 154928, doi:10.1155/2013/154928
3. Hard, C. and **T. Yu**. 2005. "Agricultural Situation Spotlight: Corn Prices, Basis, and Transportation" *Iowa Ag Review*, 11(4) 4-5.
4. **Yu, T.**, C.P. Baumel, M.J. McVey, and J. Sell. 2000. "HOC Corn Evaluated in Taiwanese Rations." *Feedstuffs*, Vol. 72(3): 20-29, January 17.
5. Baumel, C.P., **T. Yu**, C. Hardy, L.A. Johnson, M.J. McVey, and J. Sell. 1999. "GM Corn Has Impact on Feed Consumption." *Feedstuffs*, Vol. 71(40): 16-28, September 27.

Research quoted in public press

1. **Yu, T.E.**, B.C. English and R.J. Menard. "Economic Impacts Analysis of Inland Waterways Disruption on the Transport of Corn and Soybeans." Staff Report #AE16-08. Department of Agricultural and Resource Economics, University of Tennessee. September 2016. Quoted in:
 - Good, K. 2017. "Infrastructure: Aging River Locks in the Corn Belt Prove Costly," *Farm Policy News*, August 3.
 - Shifflett, S. 2017. "Disaster Looms on America's Waterways," *Wall Street Journal*, July 27.
 - Welshans, K. 2016. "Effects of Upper Mississippi, Illinois Waterway Closures Studied," *Feedstuffs*. October 21.

2. **Yu, T.**, M. Wilcox, J. Menard, B.C. English, and J.A. Larson. “Developing Rural Economies Using Switchgrass.” Presentation in *Biomass: From Grow to Go* Field Day, Vonore, TN. October 25, 2011. Quoted in:
 - Brass, L. 2011. “Study Estimates Biorefinery’s Economic Impact,” *Knoxville Sentinel*. October 25.
 - Edgemon, E. 2011. “UT Says McMinn a Prime Location for Ethanol Plant,” *Daily Post-Athenian*. November 1.
3. **Yu, T.** and C. Hart. 2009. *The 2007/08 Iowa Grain and Biofuel Flow Study: A Survey Report*. CARD Staff Report 09-SR 103, August. Quoted in:
 - Christiansen, R.C. 2009. “Iowa Survey Shows Shift in Corn Sales, Ethanol and DDGS Movement,” *Ethanol Producer Magazine*. April.
4. Searchinger, T., R. Heimlich, R. Houghton, F. Dong, A. Elobeid, J. Fabiosa, S. Tokgoz, D. Hayes, and **T. Yu**. 2008. “Use of U.S. Croplands for Biofuels Increases Greenhouse Gases through Emissions from Land Use Change.” *Science*, 319(February 29): 1238-1240. Quoted in:
 - Zeller, T. 2008. “The Biofuel Debate: Good, Bad or Too Soon to Tell?” *The New York Times*, November 3.
 - Eilperin, J. 2008. “Studies Say Clearing Land for Biofuels Will Aid Warming.” *The Washington Post*, February 8.
 - Hebert, H.J. 2008. “Study: Ethanol May Add to Global Warming.” *USA Today*, February 8.
 - Zarembo, A. 2008. “Biofuel May Raise Carbon Emissions.” *Los Angeles Times*, February 8.

RESEARCH GRANTS

Grants awarded

1. Schmutz, J., **T.E. Yu (co-PI)** and other 25 co-PIs. NSF Engines Program. \$1,000,000, 06/2023 – 05/2025.
2. Omondi, E., F. Stribling, D. Hui, J. Li, M. Richmond, Saha, D. Hughes, and **T.E. Yu (co-PI)**. USDA – Climate Smart Fiber Hemp Project, \$4,972,898, 10/2023 – 09/2028.
3. **Yu, T.E. (PI)**, J. Fu, F. Yin, and C. Clark. DOT/FAA – Estimating Soil Organic Carbon, \$241,500, 12/2022 - 12/2023
4. Rials, T., **T.E. Yu (co-PI)**, B.C. English, C. Trejo-Pech, D. Hughes and S. Upendram. DOT/FAA – US Biorefinery Supply Chains from Feedstock to Alternative Jet Fuels, year 8, \$200,000, 10/01/2022 - 9/30/2023
5. Sykes, V., F. Yin, **T.E. Yu (co-PI)** and C. Boyer. Shell PLC, \$799,882. 10/01/2022 - 12/31/2026
6. Hellwinckel, C., C. Clark, **T.E. Yu (co-PI)**, F. Walker, and S. Hawkins. Foundation for Food and Agricultural Research (FFAR), \$379,484. 2/01/2022 - 12/31/2024.
7. Rials, T., B.C. English, **T.E. Yu (co-PI)**, K. Jensen, C. Trejo-Pech, J. Larson, and C. Hellwinckel. DOT/FAA – year 7, \$200,000, 8/11/2021 - 8/10/2022
8. English, B.C., **T.E. Yu (co-PI)**, R. Menard, B. Wilson, C. Hellwinckel, and S.A. Smith. Drax Group, \$54,744, 8/01/2021 - 9/30/2021.

9. Jensen, K.L., K.L. DeLong, **T.E. Yu (co-PI, PI*)**, C.R. Lockett, C.R. Chen, J. Yenerall. USDA AFRI Foundational and Applied Science Program, \$423,316. 2021-2024 [*took over the PI role after Jensen's retirement in June 2022].
10. Rials, T., English, B.C., **T.E. Yu (co-PI)**, and 15 more co-PIs. U.S. DOT/FAA Sustainable Aviation Fuel in Central Appalachia, \$250,000. 2020-2021.
11. English, B.C., **T.E. Yu (co-PI)**, J.A. Larson, K. Jensen, D. Lambert, C. Trejo-Pech, and T. Rials. U.S. DOT/FAA – year 6, \$250,000, 2020–2021.
12. **Yu, T.E. (PI)**, B.C. English, J.A. Larson, C. Trejo-Pech, N. Labbe, N. Abdoulmoumine, D. Hodges, K. Hoyt, Sam Weaver, and David Lanning. USDA, AFRI Foundational and Applied Science Program, \$999,888, 2019-2023.
13. Yun, S., D. Petrolia, M. Interis, S. Rush, **T.E. Yu (co-PI)**, and C. Hellwinckel. USDA, AFRI Foundational and Applied Science Program, \$468,998, 2019–2023.
14. Hughes, D., H. Wright, **T.E. Yu (co-PI)**, A. Griffith, M. Morgan, N. Schrick, H.D. Loveday, L. Strickland, and D. Anderson. Tennessee Cattleman's Association, \$55,000, 2019–2020.
15. Clark, C.D., B.C. English, S.A. Hawkins, Q. He, C. Hellwinckel, B. Jacobs, C. Sims, F.R. Walker, and **T.E. Yu (co-PI)**. Institute for a Secure and Sustainable Environment, University of Tennessee, \$40,000, 2019–2020.
16. Muhammad, A., S.A. Smith, and **T.E. Yu (co-PI)**. USDA Office of Chief Economist, \$56,000, 2018–2020.
17. Smith, A., **T.E. Yu (co-PI)**, D.W. Hughes, J. Smith, and N.S. Eash. USDA AMS FSMIP, \$163,879. 2017–2020.
18. English, B.C., **T.E. Yu (co-PI)**, J.A. Larson, K. Jensen, D. Lambert, C. Trejo-Pech, and T. Rials. U.S. DOT /FAA – year 5, \$260,000, 2018–2019.
19. English, B.C., **T.E. Yu (co-PI)**, J.A. Larson, K. Jensen, D. Lambert, C. Trejo-Pech, and T. Rials. U.S. DOT /FAA – year 4, 225,000, 2017–2018.
20. English B.C., **T.E. Yu (co-PI)**, K. Jensen, and J.A. Larson. U.S. DOT /FAA – year 3, \$92,500, 2016–2017.
21. Rials, T. (lead PI), **T.E. Yu (co-PI)** and other 14 co-PIs. U.S. Department of Energy/EERE, \$4,000,000, 2015–2018.
22. English B.C., **T.E. Yu (co-PI)**, K. Jensen, J.A. Larson, D. Lambert, and C. Clark. U.S. DOT/FAA – year 2, \$78,000, 2015–2016.
23. **Yu, T.E. (PI)** and J.S. Fu. Southeastern Sun Grant Center internal grant, \$30,515, 2016.
24. English, B.C., K. Jensen, **T.E. Yu (co-PI)**, and R. Menard. USDA Rural Development, \$39,195, 2015–2016.
25. **Yu, T.E. (PI)**, B.C. English and R. Menard. USDA Agricultural Marketing Service, \$85,160, 2015–2016.
26. **Yu, T.E. (PI)** and J.S. Fu. University of Tennessee, \$25,000, 2015–2016.
27. Cho, S., P.R. Armsworth, C.D. Clark, D.M. Lambert, D.J. Hayes, B.C. English, and **T.E. Yu (co-PI)**. USDA, AFRI Foundational and Applied Science Program, \$500,000, 2014–2017.
28. Rials, T., B.C. English, **T.E. Yu (co-PI)**, K. Jensen, J.A. Larson, D. Lambert, and C. Clark. U.S. DOT/FAA Centers of Excellence, \$1,400,000, 2014–2015.
29. **Yu, T. (PI)**, J.A. Larson, B.C. English, and J. Fu. US Department of Transportation, Southeastern Sun Grant, \$100,000. 2013–2014.

30. **Yu, T. (PI)**, J.A. Larson, B.C. English, and C. Boyer. University of Tennessee, \$25,000. 2013–2014.
31. Cho, S., C.D. Clark, D.M. Lambert, B.C. English, **T. Yu (co-PI)**. University of Tennessee, \$30,000. 2013–2014.
32. Lambert, D., B. English, Jensen, K., C. Clark, and **T. Yu (co-PI)**. USDA, AFRI Foundational and Applied Science Program, \$350,000. 2012–2015.
33. English, B., J. Larson and **T. Yu (co-PI)**. KL Energy Corporation, \$8,617. 2012–2013.
34. Larson, J.A., B.C. English, **T. Yu (co-PI)**, D. Tyler and N. Labbe. Southeastern Sun Grant/US DOT, University of Tennessee, \$64,724. 2011–2013.
35. **Yu, T. (PI)**, B.C. English, J.A. Larson, D. de la Torre Ugarte, J. Fu, and S. Richards. US DOT Southeastern Sun Grant University, \$28,120. 2011–2012
36. **Yu, T. (PI)**, B.C. English, J.A. Larson, D. de la Torre Ugarte, J. Fu, and S. Richards. US DOT Southeastern Transportation Center, \$25,000. 2011–2012.
37. Rials, T., and 82 co-PIs and senior research personnel, USDA AFRI Sustainable Bioenergy Program, \$15,000,000. [\$753,232 allocated to an economic analysis by B.C. English, J.A. Larson, K. Jensen, C. Clark, **T. Yu (Senior Researcher)** and D. Lambert] 2011–2016
38. Jensen, K., C. Clark, D. Lambert, B. English, C. Hellwinckel, J.A. Larson, and **T. Yu (co-PI)**. USDA AFRI Foundational Program, \$385,110. 2011–2014.
39. **Yu, T. (PI)**, B.C. English, J.A. Larson, and S. Cho. Southeastern Sun Grant/US DOT, \$131,940. 2010–2011.
40. Elobeid, A., S. Tokgoz and **T. Yu (co-PI)**. Asia-Pacific Economic Cooperation, \$44,880. 2008–2009.
41. **Yu, T. (PI)** and C. Hart. Iowa Department of Agriculture and Land Stewardship, \$19,000. 2007–2009.

PRESENTATIONS (¹presenter; ²postdoc or graduate student advised or instructed by me; ³graduate student for whom I served as a committee member)

Invited presentations

1. Reed, C.², **Yu, T.E.**¹, and D.W. Hughes. “Location Characteristics of Grocery Stores in Different Formats,” Executive MBA Program, National Chung-Hsing University, Taichung, Taiwan, July 1, 2023.
2. **Yu, T.E.**¹ “Sustainable Aviation Fuel Feedstock Supply Chain Analysis”, 11th National Aviation System Planning Symposium, Irvine, CA, May 15-18, 2023.
3. Turn, S.,¹ D. Camenzind¹, and **T.E. Yu.**¹ “Supply Chain Introduction for Students,” Center for Excellence SAF Meeting, Seattle, April 25-27, 2023.
4. **Yu, T.E.**¹ “Local Sustainable Aviation Fuel Supply Chain Analysis”, Texas Aviation Conference, Galveston, TX, April 12-14, 2023.
5. **Yu, T.E.**¹ “Sustainable Aviation Fuel and Its Linkage to US Agriculture”, College of Agriculture, National Chung-Hsing University, Taichung, Taiwan. November 23, 2022.
6. **Yu, T.E.**¹ and B.C. English. “SAF Supply Chain Analysis in the Southeast”, Commercial Aviation Alternative Fuel Initiative (CAAIFI) Biennial General Meeting, Washington DC, June 1-3, 2022.

7. **Yu, T.E.**¹ “Economic Analysis of Government Policy in U.S. Biofuel Sector”, College of Economics and Management, Shenyang Agricultural University, Shenyang, China. September 12, 2018.
8. **Yu, T.E.**¹ “Economic Analysis of Government Subsidies in the Advanced Biofuel Sector Assimilating Its Risk Preferences toward Feedstock Yields Uncertainty”, School of Energy and Environment, City University of Hong Kong, Hong Kong, August 23, 2018.
9. **Yu, T.E.**¹ “U.S. Renewable Fuel Standard and Its Impacts on Agricultural Markets”, Institute of Political Economy, National Cheng Kung University, Tainan, Taiwan. November 9, 2017.
10. **Yu, T.E.**¹ “Renewable Fuel Standard and Biofuel Development in the United States”, College of Economics and Management, Nanjing Agricultural University, Nanjing, China. November 8, 2017.
11. **Yu, T.E.**¹ “Effect of Land Use Change for Bioenergy Production on Feedstock Cost and Water Quality”, Inaugural Workshop of China-US Center for Biomass Science and Engineering, Nanjing, China. November 6, 2017.
12. **Yu, T.E.**¹ “The Impact of Trade Policy on International Agricultural Market”, Institute of Political Economy, National Cheng Kung University, Tainan, Taiwan. October 31, 2017.
13. **Yu, T.E.**¹ “The Impact of U.S. Biofuel Policy on Agricultural Markets”, College of Technology Management, National Tsing Hua University, Hsinchu, Taiwan. October 28, 2017.
14. **Yu, T.E.**¹ “Imputed GHG Emission Costs from a Regional Switchgrass Feedstock Supply Chain.” *USDA Economists Group Seminar*, US Department of Agriculture, Washington DC. January 14, 2015.
15. **Yu, T.E.**¹ “Air Quality impacts of Feedstock Transportation for Cellulosic Biofuel Production in Tennessee.” *RITA Transportation Innovation Series*, US Department of Transportation, Washington DC. December 18, 2013.
16. **Yu, T.**¹, C. Hellwinkel, and D. de la Torre Ugarte. “The Impact of Biomass Energy Development on Agriculture”, *International Policy Forum on Crisis and Agriculture Trade*, Ministry of Agriculture of the People’s Republic of China, Beijing, China. November 15, 2012.
17. **Yu, T.**¹, J.S. Fu, J.A. Larson, B.C. English, and D. de la Torre Ugarte. “The Influences of Feedstock Costs and Hauling Emissions on the Site Selection of a Cellulosic Biorefinery: A Case Study of Tennessee”, *Oversea Scholar Lecture*, School of Agricultural Economics and Rural Development, Renmin University of China, Beijing, China. November 14, 2012.
18. **Yu, T.**¹, J.A. Larson, and B.C. English. “Assessing the Cost of Supplying Alternative Dedicated Energy Crops for Biofuel Production: A Case Study in Tennessee”, College of Economics and Management, China Agricultural University, Beijing, China. November 13, 2012.
19. **Yu, T.**¹, J.S. Fu, J.A. Larson, B.C. English, D. De La Torre Ugarte. “Modeling Air quality Effects of Feedstock Transportation for Bioenergy Production.” Southeastern Sun Grant Mini-Symposium, Knoxville, TN. June 26-27, 2012.
20. **Yu, T.**¹, J.S. Fu, J.A. Larson, B.C. English, D. de la Torre Ugarte. “Locating Biomass Conversion Facilities”, *Biomass: From Grow to Go Field Day*, Vonore, TN. October 24-25, 2012.

21. **Yu, T.**¹, M. Wilcox, J. Menard, B.C. English, and J.A. Larson. “Developing Rural Economies Using Switchgrass”, *Biomass: From Grow to Go Field Day*, Vonore, TN. October 25, 2011
22. **Yu, T.**¹ “One Price for Carbon? International Coordination of Climate Change Policies: Discussion.” Invited presentation at AAEE and NAREA joint annual meeting, Pittsburgh, PA. July 24-26, 2011.
23. **Yu, T.**¹ “Industrial Siting Model.” *U.S. Department of Agriculture Renewable Energy Biomass Education Field Day*, Vonore, TN. November 17th, 2010.
24. English, B.C, J.A. Larson, **T. Yu**¹ and D. Mooney. “Economics of Switchgrass Production.” *Milan No-Tile Crop Production Field Day*, Milan, TN. July 22, 2010.
25. **Yu, T.**¹ “Biofuels Impact over Grains and Oilseed Markets.” 16th Forum of APPAMEX-NAEGA, Mexico City, Mexico. November 3-4, 2009.
26. **Yu, T.**¹ and C. Hart. “2006-07 Iowa Grain and Biofuel Flow Survey Study.” Iowa Regional Planning Affiliations Meeting, Ames, IA. November 13, 2008.
27. **Yu, T.**¹ “Long-term Market Outlook for Agricultural Commodities.” 2008 World Ethanol Conference, Paris, France. November 4-6, 2008.
28. **Yu, T.**¹ and C. Hart. “2006-07 Iowa Grain and Biofuel Flow Survey and Infrastructure Evaluation.” Iowa Rail Advisory Committee Meeting, Ames, IA. October 30, 2008.
29. **Yu, T.**¹ “Biofuel Expansion and Its Long-term Impact on U.S. and World Agricultural Markets.” ANIAME 50th Anniversary Meeting, Mexico City, Mexico. October 22, 2008.
30. Togkoz¹, S., A. Elobeid¹, and **T. Yu**¹. “Assessment of Biofuel Resource Elasticity in APEC Economies” Fifth APEC Biofuels Taskforce Meeting, October 7, 2008, Golden, Colorado.
31. **Yu, T.**¹ “FAPRI 2008 World Agricultural Outlook” U.S. Department of Agriculture, Washington, D.C., March 5, 2008.

Professional society meetings

1. Aguirre, J.¹, D. G De La Torre Ugarte, **T.E. Yu**, R. Accinelli, E. Rojas, M. Paucar, and C. Heros “Less deforestation, more savings, and more health: spillovers from the implementation of national commitments to mitigate climate change by 2050,” Selected paper. The 2023 Agricultural & Applied Economics Association Annual Meeting, Washington DC, July 23-25, 2023
2. Reed, C.², **T.E. Yu**¹, and D.W. Hughes. “Analyzing the Location Characteristics of Grocery Stores,” Selected paper. 7th International Symposium on Business and Social Sciences, Taipei, Taiwan. June 28-30, 2023.
3. Li., P.^{1,2}, **T.E. Yu**, B.C. English, C. Trejo-Pech, and J.A. Larson. “Assessing the Impact of Preprocessing and Conversion Technologies on the Location and Economics of the Sustainable Aviation Fuel Supply Chains from Forest Residues in the Southeast U.S.” Selected paper. WRSA annual meeting, Big Island, HI, February 15-18, 2023.
4. Li, T.^{1,2}, S. Yun, and **T.E. Yu**. “Evaluating the Monoculture Issue from Producing the First-Generation Bioenergy Crops on Habitat Quality in Tennessee.” Selected symposium. SAEA annual meeting, Oklahoma City, OK. February 4-8, 2023.
3. **Yu, T.E.**¹, C. Hellwinckel, and S. Yun. “Impact of Renewable Fuel Development on U.S. Agricultural Land Use.” Selected symposium. SAEA annual meeting. Oklahoma City, OK. February 4-8, 2023.

4. Bista, B.³, C.O. Trejo-Pech, J.A. Larson, and **T.E. Yu**. “Risk Assessment of Publicly Traded Biofuel Firms.” Selected presentation. SAEA annual meeting. Oklahoma City, OK. February 4-8, 2023.
5. Fontanilla-Diaz, C.², **T.E., Yu**¹, C. Trejo-Pech, J.A. Larson, B.C. English, and B. Wilson. “Economic Analysis of the Sustainable Aviation Fuel Supply Chain from Hybrid Poplar in the US Southeast Considering Alternative Preprocessing Technologies.” TRB annual meeting online, 23-3566, Washington, D.C. January 8-12, 2023.
6. Fontanilla-Diaz, C.^{1,2}, **T.E., Yu**, C. Trejo-Pech, J.A. Larson, B.C. English, and B. Wilson. “Economic Evaluation of Preferences toward Woody Biomass Feedstock Uncertainty for Sustainable Aviation Fuel Production in the Southeast United States.” Selected paper. 39th USAEE/IAEE North American Conference, October 23-26, 2022.
7. Reed, C.^{1,2}, and **T.E. Yu**. “How Special is “Specialty”? - Contrasting the location characteristics of specialty grocers and traditional supermarkets in the United States.” Selected paper, Applied Geography Conference, Virtual, October 20-22, 2022.
8. Martinez, C., P. Li, C.N. Boyer, **T. E. Yu**, S. Ingram, and J.G. Maples. 2022. “National Slaughter Capacity Utilization.” 2022 AAEA Annual Meeting, July 31-August 2, 2022, Anaheim, California, American Agricultural Applied Economics Association.
9. Martinez, C., C.N. Boyer, P. Li², **T.E. Yu**, and J. Maples “Regional Fed Cattle Negotiated Cash Prices Response to Packer Margins.” Selected paper, WAEA annual meeting, Santa Fe, NW. June 26-28, 2022.
10. **Yu, T.E.**, Li, P.^{1,2}, B.C. English, C. Trejo-Pech, and J.A. Larson. “Analyzing the Economics of Sustainable Aviation Fuel Produced from Forest Residues.” Selected paper, WAEA annual meeting, Santa Fe, NW. June 26-28, 2022.
11. Li, P.^{1,2}, Vizcaya, L.², **T.E. Yu**, B.C. English, J.A. Larson, and C. Trejo-Pech. “Impact of Forest Harvesting Schemes on Woody Biomass Supply Chains for Sustainable Aviation Fuel Production in Tennessee.” Selected paper, SAEA annual meeting, New Orleans, LA. February 12-15, 2022.
12. Trejo-Pech, C., **T.E. Yu**, J.A. Larson, and B.C. English. “Techno-economic analysis of two woody biomass preprocessing technologies for biofuel production.” Selected paper, SAEA annual meeting, New Orleans, LA. February 12-15, 2022.
13. Aguirre, J., P. Rojas, **T.E. Yu**¹. “Assessment of The Ecosystem Service for Disease Control: Deforestation and Malaria in Peruvian Amazon.” Selected poster, the 2021 Annual meeting of the Agricultural and Applied Economics Association (AAEA). Austin, TX, August 1-3, 2021.
14. **Yu, T.E.**¹, and C. Hellwinckel. “Impact Assessment of the Sustainable Aviation Fuel Production on U.S. Agricultural Market.” Selected paper, the 2021 Annual meeting of the Agricultural and Applied Economics Association (AAEA). Austin, TX, August 1-3, 2021.
15. Martinez, C., Boyer, C. N., Smith, A., **T.E. Yu**, and Rabinowitz, A. N. 2021. “Impact of CFAP and MFP Payments on Ag Production Loans.” 2021 Joint Annual Meeting, August 1-3, 2021, Austin, TX, Agricultural Applied Economics Association and Western Agricultural Economics Association.
16. Yenerall, J.¹, K. Jensen, X. Chen, and **T.E. Yu**. “Adjusting to a Crisis: Food Purchasing Behavior During the COVID-19 Pandemic.” Selected paper at the 2021 Annual meeting

- of the Agricultural and Applied Economics Association (AAEA). Austin, TX, August 1-3, 2021.
17. Yenerall, J.¹, K. Jensen, R. Chen, and **T.E. Yu**. “Examining the Influence of COVID-19 Risk Perception and Government Restrictions on Restaurant Utilization During a Pandemic.” Selected paper at Southern Agricultural Economics Association annual meeting, Online, February 8-9 2021
 18. Yenerall, J.¹, K. Jensen, R. Chen, and **T.E. Yu**. “Southern US Households’ Current and Planned Online Grocery Shopping During the COVID-19 Pandemic.” Selected paper at Southern Agricultural Economics Association annual meeting, Online, February 8-9 2021
 19. Patwary, A.L.^{1,2}, **T.E. Yu**, B.C. English, D. Hughes, and S. Cho. “Estimating the Rebound Effect of the US Road Freight Transport.” Selected paper at Southern Agricultural Economics Association annual meeting, Online, January 25-28, 2021.
 20. Wei, X.³, X. Chen, Z. Gao, K. Jensen, **T.E. Yu**, and K. DeLong. “The Reference Price Effect on Willingness-to-Pay Estimates: Evidence from Eco-labeled Food Products.” Selected paper at Applied and Agricultural Economics Association annual meeting, Kansas City, MO. July 26-28. 2020.
 21. Boyer, C.¹ and **T.E. Yu**. “Extension Education Impact on Tennessee Beef Production Efficiency.” Selected paper. Western Agricultural Economics Association annual meeting Santa Fe, NM June 29-July 1, 2020.
 22. C. Hellwinckel,¹ **T.E. Yu**, and D. De La Torre Ugarte. “Assessing the Impact of E15 Waiver on Agricultural Markets, Land Use and Soil Carbon Flux.” Selected paper. Northeastern Agricultural and Resource Economics Association annual meeting, virtual June 15-19, 2020.
 23. **Yu, T.E.**¹, T. Tong, and L. Kennedy. “Examining the Potential Effect of China’s Belt and Road Initiative on Its Exports.” Selected presentation at Southern Economic Association annual meeting, Fort Lauderdale, FL. November 23-25, 2019.
 24. Tsai, M.^{1,2}, **T.E. Yu**, C.N. Boyer, and R.J.C. Chen. “The Impacts of a Severe Natural Disaster on the Agricultural Sector: A Case Study of the 2008 Wenchuan Earthquake.” Selected Presentation at Applied and Agricultural Economics Association annual meeting, Atlanta, GA. July 21-23, 2019.
 25. **Yu, T.E.**, T. Tong¹, and L. Kennedy. “Assessing the Potential Trade Impacts of China’s Belt and Road Initiative.” Selected presentation at the Chinese Economists Society’s Annual Conference, Dalian, China. June 8-9, 2019.
 26. Trejo-Pech, C.O.¹, J.A. Larson, B.C. English, and **T.E. Yu**. “Return and Risk Profile of a Potential Pennycress Processing Facility for the Aviation Industry”. Selected Paper Presentation. Southern Agricultural Economics Association Annual Meeting. Birmingham, AL, February 2-5, 2019.
 27. Larson, J.A.¹, C.O. Trejo-Pech, B.C. English, and **T.E. Yu**. “Farm-level Risk Management Potential of Pennycress as a Bioenergy Cover Crop in a Corn-Soybean Rotation”. Selected Paper Presentation. Southern Agricultural Economics Association Annual Meeting. Birmingham, AL, February 2-5, 2019.
 28. Tsai, M.^{1,2}, **T.E. Yu**, and R.J.C. Chen. “Assessing the Long-term Economic Impact of a Devastating Disaster in China.” Selected presentation at Southern Economics Association 88th annual meeting. Washington, D.C. November 18-20, 2018.

29. Sharma, B.², **T.E. Yu**¹, B.C. English, and C.N. Boyer. “Economic Analysis of Renewable Jet Fuels: A Game-theoretic Approach.” Selected presentation at the 7th International Conference on Transportation and Logistics, Dalian, China. September 8-10, 2018.
30. Sharma, B.², **T.E. Yu**¹, B.C. English, C.N. Boyer, and J.A. Larson. “Stochastic Optimization of Cellulosic Biofuel Supply Chain under Feedstock Yield Uncertainty,” Selected presentation at the 10th International Conference on Applied Energy, Hong Kong. August 22-25, 2018.
31. Sharma, B.², **T.E. Yu**¹, B.C. English, and C.N. Boyer. “Analyzing the Economics of Renewable Jet Fuels Using a Game-theoretic Approach,” Selected Presentation at Applied and Agricultural Economics Association annual meeting, Washington D.C. August 5-7, 2018.
32. Jiang, J.¹, **T.E. Yu**, Z. Wang, Q. Diming, and W. Huang “Analyzing the Size and Affecting Factors of Household Food Waste in China”, Selected presentation at the 30th International Conference of Agricultural Economics, Vancouver, Canada. July 28 – August 2, 2018.
33. Cho, S.¹, M. Soh³, B. English, **T.E. Yu**, C. Boyer. “Targeting Payments for Ecosystem Services Given Ecological and Economic Objectives,” Selected presentation at 2018 Southern Agricultural Economics Association annual meeting, Jacksonville, FL. February 3-6, 2018.
34. Sharma, B.², **T.E. Yu**¹, B.C. English, C.N. Boyer, and J.A. Larson. “Impact of Subsidies on the Optimization of a Stochastic Biofuel Supply Chain with Different Risk Preferences,” Selected presentation at the 5th International Conference on Environment Pollution and Prevention, Singapore. December 14-16, 2017.
35. Sharma, B.^{1,2}, S.H. Cho, and **T.E. Yu**. “Designing Cost-effective Payments for Afforestation under Target and Budget Constraints: An Auction-based Modeling Approach,” Selected presentation at 2017 Southern Economics Association annual meeting, Tampa, FL. November 17-19, 2017.
36. **Yu, T.E.** and A. Dellachiesa¹. "The Long-run Impact of Energy Use, Income, and Trade on Carbon Dioxide Emissions in Mercosur Member States: A Panel Cointegration Analysis," Selected presentation at 2017 Southern Economics Association annual meeting, Tampa, FL. November 17-19, 2017.
37. Sharma, B.^{1,2}, **T.E. Yu**, B.C. English, J.A. Larson, and C.N. Boyer. “Stochastic optimization of switchgrass-based biofuel supply chain considering feedstock yield uncertainty and risk preference,” Selected poster presentation at 2017 Applied and Agricultural Economics Association annual meeting, Chicago, IL. July 30-August 1, 2017.
38. **Yu, T.E.**¹, J. Calcagno, and J.S. Fu. “Estimation of CO₂ Emissions from Grain Transportation in the United States,” Selected presentation at Air and Waste Management Association 110th Annual Conference & Exhibition, Pittsburgh, PA, June 5-8, 2017.
39. De Matteis^{1,2}, M.C., **T.E. Yu.**, C.D. Boyer and K. Lewis. “Analysis of the Exports of U.S. Distillers Dried Grains with Solubles.” Selected presentation at Southern Agricultural Economics Association annual meeting, Mobile, AL. February 4-7, 2017.
40. Mendez, D.^{1,3}, **T.E. Yu**, D. Hughes, and A. Griffith. “Determining the Location and Size of a Tennessee Milk Condensing Plant.” Selected presentation at Southern Agricultural Economics Association annual meeting, Mobile, AL. February 4-7, 2017.

41. De Matteis^{1,2}, M. and **T.E. Yu**. “Effects of Adopting DDGS in the Feed Ration for Swine Industry in Argentina.” Selected presentation at the Institute for Operations Research and the Management Sciences annual meeting, Nashville, TN. November 13-16, 2016.
42. Lambert, L.¹, B.C. English, J. Larson, **T.E. Yu**, B. Wilson, O. Shylo. “Optimization of Large Scale Tennessee Bioenergy Production from Field to Blending Facility.” Selected presentation at the Institute for Operations Research and the Management Sciences annual meeting, Nashville, TN. November 13-16, 2016.
43. Eatherly, R.^{1,3}, A. Smith, and **T.E. Yu**. “Spent Microbial Biomass as an Alternative Fertilizer: A Spatial Cost and Optimal Product Mix Analysis.” Selected poster presentation at the INFORMS annual meeting, Nashville, TN. November 13-16, 2016.
44. **Yu, T.E.**¹, B. Sharma², and B.C. English. “A Spatial Autocorrelation Analysis for Lock Delays on the Upper Mississippi River.” Selected Presentation at the Sixth International Conference on Transportation and Logistics, Hsinchu, Taiwan, September 7–9, 2016.
45. **Yu, T.E.**¹, B. Sharma², and B.C. English. “Determinants of Lock Delays on the Upper Mississippi River: A Spatial Econometrics Approach.” Selected Presentation at Applied and Agricultural Economics Association annual meeting, Boston, MA, July 31-August 2 2016.
46. **Yu, T.E.**¹, B.C. English, R.J. Menard, and B. McCarl. “Agricultural Economic Effects of Infrastructure Modernization on the Upper Mississippi River.” Selected paper at INFORMS International meeting, Hawaii, June 12-15 2016.
47. English, B.C., **T.E. Yu**, D.M. Lambert, K. Jensen, J. Menard, B. Wilson, and T. Rials. “Economic and Selected Environmental Impacts of Establishing a Biofuel Industry in Southeast United States.” Selected paper at IMPLAN National User’s Conference, Charlotte, NC., June 9-11, 2016.
48. De Matteis^{1,2}, M.C., **T.E. Yu**, C.N. Boyer, and K. Lewis. “Determinants of U.S. Distillers Dried Grains with Solubles Exports.” S1062 Hatch Project meeting, Savanna, GA, May12-13, 2016.
49. Kim, M.¹, H. Tejada, and **T.E. Yu**. “Dynamic and Spatial Relationships in US Rice Markets.” Selected paper at Southern Agricultural Economics Association annual meeting, San Antonio, February 6-9 2016.
50. **Yu, T.E.**¹, B.C. English, and B.A. McCarl. “U.S. Grain Transportation Sector’s Economic Impacts Resulting from Inland Waterway Infrastructure Improvements.” Selected paper at the 85th Southern Economic Association annual meeting, New Orleans, LA, November 20-22 2015.
51. **Yu, T.E.**¹ and B.A. McCarl. “US Agricultural Economic Effects of Improving Efficiency in Inland Waterway Infrastructure.” Selected paper at the 90th Western Economic Association International annual meeting, Honolulu, HI, June 28-July 2, 2015.
52. **Yu, T.E.**¹, B.C. English, J.A. Larson, and J. Zhong. “Impact of Carbon Price on Land Coverage for Energy Crop Supply: A Case of Tennessee.” Selected paper at the 90th Western Economic Association International annual meeting, Honolulu, HI, June 28-July 2, 2015.
53. **Yu, T.E.**¹, B.C. English, L. He, J.A. Larson, J. Calcagno, J.S. Fu, and B. Wilson. “Evaluating the Supply Chains of Cellulosic Transportation Fuel in Tennessee.” Selected paper at the 56th Annual Transportation Research Forum (TRF), Atlanta GA. March 12-14, 2015.

54. **Yu, T.E.**¹, B.C. English, L. He, J.A. Larson, J. Calcagno, J.S. Fu, and B. Wilson. “Economic Gains and Greenhouse Gases Emissions of a Biofuel Supply Chain in Tennessee.” Sun Grant Regional Conference, Auburn AL, February 2-4, 2015.
55. Lambert, DM¹, BC English, RJ Menard, B Wilson, L He, **T.E. Yu**, KL Jensen. “Skilled Labor Preference, Cellulosic Biofuel Facility Location, and Economic Impacts in the Southeastern US.” Selected paper, Southern Agricultural Economics Association Annual Meeting, Atlanta, Georgia, January 31–February 3, 2015.
56. Grigsby, C^{1,3}, C Hellwinckel, DM Lambert, **T.E. Yu**. “Can Increasing Fuel Costs Make Locally Produced Food More Competitive?” Poster presentation, Southern Agricultural Economics Association Annual Meeting, Atlanta, GA, January 31–February 3, 2015
57. **Yu, T.E.**¹, B.C. English, L. He, J.A. Larson, J. Calcagno, J.S. Fu, and B. Wilson. “Cellulosic Biofuel Supply Chains and its Greenhouse Gas Emissions Impact: A Case Study in West Tennessee.” Selected paper at the Transportation Research Board (TRB) annual meeting, Washington DC. January 10-14, 2015.
58. **Yu, T.E.**¹, D.M. Lambert, B.C. English, J.S. Fu, B. Wilson, and J. Calcagno. “An Estimation of Truck Emissions from Hauling Biomass Feedstock to Advanced Biofuel Production.” Selected poster at the 2016 Transportation Research Board (TRB) annual meeting, Washington, DC, January 10-14 2015.
59. English, B.C.¹, L. He, **T.E. Yu**, R.J. Menard, and B. Wilson. “Economic Impact of a Renewable Fuels Biorefinery Expansion: A Case Study in Mississippi.” Selected paper at the Institute for Operations Research and the Management Sciences annual meeting, San Francisco, CA. November 10-13, 2014.
60. **Yu, T.E.**¹, B.C. English, L. He, J.A. Larson, J. Calcagno, J.S. Fu, and B. Wilson. “Optimizing Net Present Value and Greenhouse Gas Emissions of Advanced Biofuel Supply Chains in Tennessee.” Selected paper at the Institute for Operations Research and the Management Sciences annual meeting, San Francisco, CA. November 10-13, 2014.
61. English, B.C.¹, D.M. Lambert, **T.E. Yu**, B Wilson, R.J. Menard. “Meeting the Biofuel Goal with Switchgrass: A Focus on the South with Herbaceous Feedstock.” Integrated Biomass Supply System Annual Meeting Presentation, Knoxville, TN, October 2014.
62. **Yu, T.E.**¹, L. He, B.C. English, and J.A. Larson. “GIS-based Optimization for Advanced Biofuels Supply Chains: A Case Study in Tennessee.” Selected paper at the International Conference of Applied Operation Research, Vancouver, BC, Canada. July 29-31, 2014.
63. Boyer, C.N.¹, **T.E. Yu.**, B.C. English, J.A. Larson, and N. Labbé. “Chemical Composition of Preprocessed Switchgrass Bales Stored Outside.” Selected poster at Biomass 2014: Growing the Future Bioeconomy, Washington, DC. July 29-30, 2014.
64. **Yu, T.E.**¹, J.A. Larson, B.C. English, C.N. Boyer¹, K.K. Castillo-Villar, “Evaluating the Physical Quality of an Energy Crop during Storage from a Preprocessing Technology in Feedstock Supply System.” Selected poster at the 2014 Agricultural and Applied Economics Association annual meeting, Minneapolis, MN. July 27-29, 2014.
65. Jensen, K.L.¹, J. Zhang, D.M. Lambert, C.D. Clark, B.C. English, J.A. Larson, **T.E. Yu**, C. Hellwinckel, and H. Claytor. “Afforestation Adoption by Eastern U.S. Cattle Producers.” Selected poster at the 2014 Agricultural and Applied Economics Association annual meeting, Minneapolis, MN. July 27-29, 2014.
66. **Yu, T.E.**¹, C.N. Boyer, K. Castillo, B.C. English, J.A. Larson, N. Labbe, and L. Kline. “Analyzing the quality of perennial grass from a densification technology in

- lignocellulosic biomass feedstock supply system.” Selected paper at the 4th Pan-American Congress on Plants and Bioenergy, Guelph, Ontario, Canada June 4-7, 2014.
67. **Yu, T.E.**¹, Z. Wang, B.C. English, and J.A. Larson. “Designing a Dedicated Energy Crop Supply System to Biorefineries in Tennessee.” Invited symposium presentation at the Southern Agricultural Economics Association annual meeting, Dallas, TX. February 1-4, 2014.
68. Holt, C.¹, K.L. Jensen, D.M. Lambert, C.D. Clark, B. English, J.A. Larson, **T.E. Yu**, and C. Hellwinckel. “Eastern U.S. Cattle Producer Willingness to Adopt Prescribed Grazing.” Selected paper at the Southern Agricultural Economics Association annual meeting, Dallas, TX. February 1-4, 2014.
69. **Yu, T.E.**¹, D.M. Lambert, J.S. Fu, and J. Calcagno. “Spatial Analysis of County Inventories of On-road Greenhouse Gas Emissions in the Southeast United States.” Selected paper at the 60th North American Regional Science Council (NARSC) annual meeting, Atlanta, GA. November 13-16, 2013.
70. Dellachiesa, A.E.¹ and **T.E. Yu**. “The Impact of Energy Consumption, Output and Trade on Greenhouse Gas Emissions in the Mercosur Member States: A Panel Cointegration Analysis.” Selected presentation at the Southern Economics Association annual meeting, Tampa, FL. November 23-25, 2013
71. Lambert, D.M.¹, R.J. Menard, B. Wilson, K.L. Jensen, **T.E. Yu**, C.D. Clark, and B.C. English. “Will Concentration in Skilled Labor Impact the Site Selection Decision of Cellulosic Ethanol Facilities?” Selected paper at the 60th NARSC annual meeting, Atlanta, GA. November 13-16, 2013.
72. English, B.C.¹, RJ Menard, B Wilson, **T.E. Yu**, KL Jensen, CD Clark, JS Fu, DM Lambert¹. 2013. “Optimal Location of Cellulosic Biofuel Facilities and their Impact on Employment in the Southeast Region.” Poster presentation, Association for the Advancement of Industrial Crops-Agriculture and Food Research Initiative Conference, Washington, D.C., October 13–16, 2013.
73. **Yu, T.E.**¹, Z. Wang, B.C. English, and J.A. Larson. “Estimating the Cost of a Biomass Feedstock Supply Chain Using GIS Data.” Invited paper at the INFORMS annual meeting, Minneapolis, MN. October 6-9, 2013.
74. Wang, Z.², **T.E. Yu**¹, B.C. English, and J.A. Larson. “Optimizing the Cost and Greenhouse Gas Emissions of Switchgrass Supply System to Biorefineries: A Case Study of Tennessee.” Selected poster at the 2013 AAEE annual meeting, Washington, DC. August 4-6, 2013.
75. **Yu, T.E.**¹, B.C. English, and J.A. Larson. “Evaluating the Cost and Greenhouse Gas Emissions of Supplying a Dedicated Energy Crop: A GIS-based Multi-objective Optimization Analysis.” Selected poster at Biomass 2013. Washington DC. July 31-August 1, 2013.
76. English, B.C.¹, Z. Wang², **T.E. Yu** and J.A. Larson. “Optimization of Cost and Greenhouse Gas Emissions of a Dedicated Energy Crop Supply System to Biorefineries in Tennessee.” Selected paper at the US Association of Energy Economist (USAEE) annual meeting, Anchorage, AK. July 28-31, 2013.
77. **Yu, T.E.**¹, J.A. Larson, and B.C. English. “Assessing the Cost of Supplying Alternative Dedicated Energy Crops for Biofuel Production in Tennessee.” Selected poster at the SAEA annual meeting, Orlando, FL. February 2-5, 2013.

78. **Yu, T.E.**¹, C. Hart, and X. Du. “An Empirical Investigation of the Factors Affecting the Ownership of Large Grain Hauling Vehicles by Farmers: An Case Study of Iowa.” Selected paper at the SAEA annual meeting, Orlando, FL. February 2-5, 2013.
79. Wang, Z.², **T.E. Yu**¹, B.C. English and J.A. Larson. “Greenhouse Gas Assessment of an Economically Optimized Switchgrass Supply System for Biofuel Production: A Case Study in Tennessee.” Selected paper at SAEA annual meeting, Orlando, FL, February 2-5, 2013.
80. **Yu, T.E.**¹, J.S. Fu, J.A. Larson, B.C. English, D. de la Torre Ugarte, J. Yun, J. Calcagno, III., and B. Wilson, “Modeling Air Quality Impacts of Feedstock Transportation for Cellulosic Biofuel Production in Tennessee.” Selected poster at Transportation Research Board (TRB) annual meeting, Washington, D.C. January 13-16, 2013.
81. Tong, T.², **T.E. Yu**¹, S. Cho, D. de la Torre Ugarte, and K. Jensen. “Spatial Spillover Effect of Transportation Infrastructure on Agricultural Output across the United States: An Empirical Investigation.” Selected paper at TRB annual meeting, Washington, D.C. January 13-16, 2013.
82. **Yu, T.E.**¹, J.A. Larson, Y. Gao, and B.C. English. “Analyzing the Economics of an Alternative Preprocessing Technology in the Switchgrass Logistics System for a Biorefinery in East Tennessee.” Selected paper at the Sun Grant Initiative National Conference, 2-5 Oct 2012, New Orleans, LA.
83. **Yu, T.E.**¹, J.S. Fu, B.C. English, and J.A. Larson. “Feedstock Costs and Transportation Emissions and Their Impact on the Site Selection of a Switchgrass-Based Biorefinery: A Case Study of Tennessee.” Selected paper at the Sun Grant Initiative National Conference, New Orleans, LA. 2-5 Oct 2012.
84. **Yu, T.E.**¹, J.S. Fu, J.A. Larson, B.C. English, D. De La Torre Ugarte, B. Wilson, J. Yun, and J. Calcagno, III. “Locating a Cellulosic Biorefinery in Tennessee by Evaluating Plant-gate Costs and Trucking Emissions of Feedstock.” Selected poster at the 2012 AAEA annual meeting, Seattle, WA. August 12-14, 2012.
85. **Yu, T.E.**¹, J.S. Fu, J.A. Larson, B.C. English, D. De La Torre Ugarte, B. Wilson, J. Yun, Y. Gao, and J. Calcagno, III. “Environmental and Economic Costs Comparison of Alternative Biomass Feedstock Logistics Systems for a Biorefinery: A Case Study in East Tennessee.” Selected paper at the 2012 Western Economic Association International (WEAI) annual meeting, San Francisco, CA. June 29-July 3, 2012.
86. Tong, T.² and **T.E. Yu**¹. “Effect of Transportation Infrastructure on Food Manufacturing Industries in the United States.” Selected paper at the 2012 Transportation Research Forum (TRF) annual meeting, Tampa, FL. March 14-17, 2012.
87. **Yu, T.**¹, J.S. Fu, J.A. Larson, B.C. English, D. De La Torre Ugarte, B. Wilson, J. Yun, Y. Gao, and J. Calcagno, III. “The Transportation Emission Impact of the Biomass Feedstock Traffic of a Potential Commercial-Scale Biorefinery in East Tennessee.” Selected paper at the 2012 TRF annual meeting, Tampa, FL. March 14-17, 2012.
88. English, B.C., J.A. Larson¹, **T.E. Yu**², B. Wilson, and R. J. Menard. “Potential for Tennessee to Meet a 20% Renewable Transportation Fuel Demand with Herbaceous Crops.” Selected paper at the Sun Grant Initiative National Conference, New Orleans, LA. 2-5 Oct 2012.
89. Larson, J.A.¹, B.C. English, **T.E. Yu**, N. Labbé, D.D. Tyler, and L.M. Kline. “Effects of Outdoor Storage on the Composition of Switchgrass.” Selected paper at the Sun Grant Initiative National Conference, New Orleans, LA. 2-5 Oct 2012.

90. **Yu, T.¹**, Y. Gao, J.A. Larson, B.C. English, B. Wilson, and R.J. Menard. "Modeling Trucking Flows of Switchgrass Feedstock to Biorefinery and Accompanying Impact on Regional Economy: A Case Study of Tennessee." Selected poster at TRB annual meeting, Washington, D.C. January 22-26, 2012.
91. **Yu, T.¹**, J.S. Fu, J.A. Larson, B.C. English, D. De La Torre Ugarte, B. Wilson, J. Yun, Y. Gao, and J. Calcagno, III. "Transportation Emissions Impact of Biomass Feedstock Traffic of Potential Commercial-scale Biorefinery in East Tennessee." Selected poster at TRB annual meeting, Washington, D.C. January 22-26, 2012.
92. **Yu, T.¹**, J.A. Larson, B.C. English, and Y. Gao. "Evaluating the Optimal Logistics System of Biomass Feedstocks for a Biorefinery with Alternative Harvest, Storage and Preprocessing Options: A Case Study of East Tennessee." Selected paper at the 2011 ASABE Annual International Meeting, Louisville, KY. August 7-10, 2011.
93. **Yu, T.¹**, J.A. Larson, Y. Gao, and B.C. English. "Analyzing the Economics Values of Alternative Preprocessing Facilities in the Biomass Feedstocks - Biorefinery Supply Chain," Selected paper at AAEA and NAREA joint annual meeting, Pittsburgh, PA. July 24-26, 2011.
94. **Yu, T.¹** and M. Kim. "Examining the Nexus of Greenhouse Gas Emissions, Agricultural Productivity and Trade Openness: A Case Study in the United States." Selected paper at AAEA and NAREA joint annual meeting, Pittsburgh, PA. July 24-26, 2011.
95. Kim, M. and **T. Yu¹**. "Dynamic Interaction between Income and SO₂ Emission in the United States." Selected paper at AAEA and NAREA joint annual meeting, Pittsburgh, PA. July 24-26, 2011.
96. You, W.¹, S. Liao, and **T. Yu**. "Instrument Selection through Bayesian Model Average and Directed Acyclic Graph Approaches: A Case Study in Childhood Obesity and Parental Time Allocation." Selected poster at AAEA and NAREA joint annual meeting, Pittsburgh, PA. July 24-26, 2011.
97. **Yu, T.¹**, and T. Tong². "Evaluating the Long-run Relationship between Transport Infrastructure, Trade Openness and Economic Growth in the United States." Selected paper at TRF 52nd annual meeting, Long Beach, CA, March 10-12, 2011.
98. **Yu, T.¹**, J.A. Larson, B.C. English, B. Wilson, and Y. Gao. "Evaluating the Economics of Incorporating Preprocessing Facilities in the Biomass Supply Chain for Biorefineries." Selected paper at TRF 52nd annual meeting, Long Beach, CA, March 10-12, 2011.
99. **Yu, T.¹**, J.A. Larson, B.C. English, B. Wilson, and Y. Gao. "Evaluating the Value of Alternative Storage and Preprocessing Methods in the Feedstock Supply Chain for Biomass Ethanol." Selected presentation at 2011 Energy, Utilities, and Environment Conference, Phoenix, AZ. January 31-February 2, 2011.
100. **Yu, T.¹** and M. Kim. "NAFTA, Agriculture Trade, and Greenhouse Gases Emissions in the United States." Selected paper at International Agricultural Trade Research Consortium Annual Meeting, Berkeley, CA. December 12-14, 2010.
101. **Yu, T.¹**, M. Kim and S. Cho. "Does Trade Liberalization Induce More Greenhouse Gas Emissions? The Case of Mexico and the United States under NAFTA." Selected paper at AAEA, CAEA, and WAEA joint annual meeting, Denver, CO. July 22-25, 2010.
102. Cho, S.¹, **T. Yu**, and Y. Kim. "Agricultural Productivity, Trade Openness, and National Income in South Korea (1971- 2007)." Selected poster at AAEA, CAEA and WAEA Joint annual meeting, Denver, CO. July 22-25, 2010.

103. Brooks, G.¹, **T. Yu**, S. Tokgoz, and A. Elobeid. “Production and Price Impacts of Biotechnology Application in Crop Markets.” Selected poster at AAEA, CAEA, and WAEA joint annual meeting, Denver, CO. July 22-25, 2010.
104. Elobeid, A.¹, S. Tokgoz, and **T. Yu**. “Mitigating Land Use Changes from Biofuel Expansion: An Assessment of Biofuel Feedstock Yield Potential in APEC Economies.” Selected poster at AAEA, CAEA and WAEA Joint annual meeting, Denver, CO. July 22-25, 2010.
105. **Yu, T.**¹, C. Hart, and W. You. “Examining the Impact of Ethanol Production Expansion on the Destination Market Choice of Corn Producers: The Case of Iowa.” Selected paper at TRF 51st annual meeting, Arlington, VA. March 10-13, 2010.
106. **Yu, T.**¹, S. Cho, A.A. Koc, G. Boluk, S.G. Kim. “Assessing the Spatial and Temporal Variation of Output-Input Elasticities of Agricultural Production in Turkey.” Selected paper at SAEA annual meeting, Orlando, FL. February 6-9, 2010.
107. **Yu, T.**¹, S. Tokgoz, E. Wailes, and E. Chavez. “A Quantitative Analysis of Trade Policy Responses to High Agricultural Commodity Prices.” Selected paper for oral presentation at the XXVII International Conference of Agricultural Economist, Beijing, China. August 16-22, 2009.
108. **Yu, T.**¹ and C. Hart. “Impact of Biofuel Industry Expansion on Grain Utilization and Distribution.” Selected paper at SAEA annual meeting, Atlanta, GA. January 31-February 3, 2009.
109. Cho, S.¹, **T. Yu**, and S.G. Kim. “Identifying specifications of the hedonic housing price model for the submarkets of new and existing houses”, presentation at 56th Annual North American Meetings of the Regional Science Association International. San Francisco, CA. November 18–21, 2009.
110. **Yu, T.**¹, S. Cho, and S.G. Kim. “Determining the value of a shopping center: Estimates from a hedonic housing price model incorporating a travel-time buffer and graphical model analysis”, presentation at 56th Annual North American Meetings of the Regional Science Association International. San Francisco, CA. November 18–21, 2009.
111. Hayes, D.J.¹, B.A. Babcock, J.F. Fabiosa, S. Tokgoz, A. Elobeid, **T. Yu**, F. Dong, C.E. Hart, W. Thompson, S. Meyer, E. Chavez, S. Pan. “Biofuels: Potential Production Capacity, Effects on Grain and Livestock Sectors, and Implications for Food Prices and Consumers,” presentation at Southern Agricultural Economics Association’s Annual Meeting, Atlanta, GA. January 31-February 3, 2009.
112. Elobeid, A.¹, S. Tokgoz, F. Dong, **T. Yu**, J. Fabiosa, Babcock, B., J. Beghin, C. Hart, and D. Hayes. “The Impact of the New Energy Bill on U.S. and World Agricultural Markets.” Selected poster at AAEA annual meeting, Orlando, FL. July 27-29, 2008.
113. **Yu, T.**¹ and F. Fuller “Spatial Competition and Location of U.S. Ethanol Industry.” Selected poster at AAEA annual meeting, Portland, OR. July 29-August 1, 2007.
114. Tokgoz, S.¹, A. Elobeid, J.F. Fabiosa, D.J. Hayes, B.A. Babcock, **T. Yu**, F. Dong, C.E. Hart, J.C. Beghin. “Emerging Biofuels: Outlook of Effects on U.S. Agriculture,” Selected presentation at Canadian Agricultural Economics Society Conference in Saskatoon, Canada, June 4-5, 2007.

115. Babcock, B.¹, J. Beghin, F. Dong, A. Elobeid, J. Fabiosa, C. Hart, D. Hayes, S. Tokgoz, and **T. Yu**. “Long-term and Global Tradeoffs between Bio-Energy, Feed, and Food.” Selected paper at AAEA annual meeting, Portland, OR. July 29-August 1, 2007.
116. **Yu, T.**¹, D.A. Bessler and S.W. Fuller. “Cointegration and Causality Analysis of World Vegetable Oil and Crude Oil Prices.” Selected paper at AAEA annual meeting, Long Beach, CA. July 23-26, 2006.
117. **Yu, T.**¹, D.A. Bessler and S.W. Fuller. “The Influence of Transport Costs on Grain Prices: A Dynamic Analysis.” Selected paper at TRF 47th annual meeting, New York, NY. March 23-25, 2006.
118. **Yu, T.**¹, J. Zhang and S.W. Fuller. “Freight Transportation Demand on Upper Mississippi and Illinois Rivers.” Selected paper at TRB 85th annual meeting, Washington, DC. January 22-26, 2006.
119. **Yu, T.**¹, D.A. Bessler and S.W. Fuller. “Analysis of Dynamic Interrelationship between Transportation Rates and Grain Prices.” Selected paper at AAEA annual meeting, Denver, CO. August 1-4, 2004.
120. **Yu, T.**¹ and S.W. Fuller. “Grain Barge Demand Estimation for the Upper Mississippi and Illinois Rivers.” Selected paper at TRF 45th annual meeting. Evanston, IL. March 21-23, 2004.
121. Fuller, S.¹ and **T. Yu**. “South American Transportation Investments and Competitiveness in International Grain Markets.” Invited paper presentation at AAEA annual meeting, Denver, CO. August 1-4, 2004.
122. **Yu, T.**¹, S.W. Fuller, and D.A. Bessler. “Lock Congestion and Its Impact on Grain Barge Rates on the Upper Mississippi River.” Selected paper at WAEA annual meeting, Denver, CO. July 13-15, 2003.
123. **Yu, T.**¹ “Lock Congestion, Barge Rates and Grain prices on the Upper Mississippi River.” Selected paper at Transportation Research Forum 44th annual meeting, Washington, DC. March 6-8, 2003.
124. **Yu, T.**¹, S.W. Fuller and D.A. Bessler. “Effect of Lock Delay on Upper Mississippi and Illinois River Grain Barge Rates.” Selected paper at TRF 44th annual meeting, Washington, DC. March 6-8, 2003.
125. Fuller, S.W., **T. Yu**¹, L. Fellin, A. Lalor, and R. Krajewski. “Improving Transport Infrastructure in South America: Effects on Grain Markets.” Selected paper at TRF 44th annual meeting, Washington, DC. March 6-8, 2003.
126. **Yu, T.**¹, S.W. Fuller and D.A. Bessler. “Lock Congestion and Barge Rates on the Upper Mississippi River.” Selected paper at TRB 82nd annual conference, Washington, DC. January 11-15, 2003.
127. Fuller, S.W., **T. Yu**¹, L. Fellin, A. Lalor, and R. Krajewski. “Transportation Developments in South America and Their Effect on International Agricultural Competitiveness.” Selected paper at TRB 82nd annual conference, Washington, DC. January 11-15, 2003.

128. **Yu, T.**¹, S.W. Fuller, L. Fellin, A. Lalor, and R. Krajewski. “Effects of Improving South America’s Grain Transportation Infrastructure on International Competitiveness.” Invited paper at WEAI 77th annual conference, Seattle, WA. June 30-July 3, 2002.
129. Fuller, S.¹, R. Harrison and **T. Yu**. “Production, Consumption and Flow Patterns of Texas Grain.” Presentation at TRB 26th Annual Summer Conference on Ports, Waterways, Freight, and International Trade, Galveston, Texas, June 24-27, 2001.

TEACHING

LECTURING (U: undergraduate level; G: graduate level)

Instructor

The University of Tennessee, Department of Agricultural & Resource Economics

AREC 525: Agribusiness Operations Research Methods (G), 2016 – present

This MS-level course is offered in spring with an enrollment of 9-12 students. The objective of this course is to i) introduce mathematical programming models and forecasting techniques, and ii) illustrate the use of those tools in addressing real economic and business problems. The majority of students in their evaluations or exit review with the Department Head indicated that this class enhanced their knowledge of the topic, challenged them to learn something new, and helped them develop skills for the next stage of their career.

The National University of Kaohsiung, Department of Applied Economics

AFE 554: Environmental and Resource Economics (U), 2017

This English-based upper-undergraduate level course was developed for the Department of Applied Economics at the National University of Kaohsiung in Taiwan. This course was designed to help students understand the economic behavior of energy markets and policies, and develop students’ skills of economic analysis to study energy-related policy issues. I illustrated how to use microeconomic theory to analyze the factors influencing supply and demand for energy, and to explore the effects of a variety of government policies.

Guest lecturer

The University of Tennessee, Department of Agricultural & Resource Economics

- Agribusiness Operations Research Methods (G), 2012 – 2015
- Agricultural and Food Market Policy (U), 2010 – 2013
- Econometric Methods in Agricultural Economics (G), 2015, 2016, & 2018
- Economics of Biomass for Renewable Energy (U & G), 2011
- Farm Business Management (U), 2013
- Food and Agricultural Marketing System (U), 2011 & 2014
- International Agricultural Marketing and Trade (U & G), 2011 – 2014
- Microeconomics of Agriculture, Food and Resources (U), 2014

Texas A&M University

- Econometrics for Agribusiness (G), Department of Agricultural Economics, 2004

STUDENT ADVISING

Graduate student dissertation/thesis committee chair

Ph.D. dissertation

- Sharma, B.P., Department of Agricultural and Resource Economics (AREC), University of Tennessee (UT). “Analyzing the Impacts of Policy Supports and Incentive Programs on Resource Management,” 2018

M.S. thesis

- Hagan, A., AREC, UT. Thesis title pending, expected 2025.
- Bolakhe, K., AREC, UT. “Stochastic Optimization of a Canola-Based Sustainable Aviation Fuel Supply Chain in the Mississippi Delta Region,” expected 2024.
- Li, T., AREC, UT. “Evaluating the Potential Risks of Producing the First- and the Second-Generation Bioenergy Crops in Tennessee,” 2023
- Vizcaya, L., AREC, UT. “Effect of Harvesting Schemes on Forest Residue Supply Chain for Biofuel Production: A Case Study of Tennessee,” 2021
- Patwary, L. AREC, UT. “Efficiency Studies of the U.S. Transportation Sector,” 2020
- Tsai, M., AREC, UT. “Assessing the Long-term Economic Impact of a Devastating Disaster in China,” 2019
- De Matteis, M.C., AREC, UT. “Analyzing the Utilization and Trade of Distillers’ Dried Grains with Solubles,” 2017
- Zhang, H., AREC, UT. “An Economic Evaluation of a Biofuel Supply Chain Utilizing Multiple Feedstocks,” 2016
- Johnson, M., AREC, UT. “Regional Dynamic Price Relationships of Distillers Dried Grains in U.S. Feed Markets,” 2016
- Zhong, J., AREC, UT. “Economic and Environmental Optimization in the Supply of Switchgrass in Tennessee,” 2015
- Chugh, S., AREC, UT. “Exploring the Potential to Penetrate the Energy Market for Tennessee-produced Switchgrass,” 2014
- Wang, Z., AREC, UT. “A GIS-based Multi-objective Optimization of a Lignocellulosic Biomass Supply Chain: A Case Study in Tennessee,” 2013
- Tong, T., AREC, UT. “Evaluating the Contribution of Infrastructure to U.S. Agri-Food Sector Output,” 2012
- Gao, Y., AREC, UT. “Evaluation of Pre-processing and Storage Options in Biomass Supply Logistics: A Case Study in East Tennessee,” 2011

* Gao’s thesis was awarded the *Outstanding MS Thesis Award*, Southern Agricultural Economics Association, 2012

Graduate student dissertation/thesis committee member

Ph.D. dissertation

- Musinov, S. Department of Economics, UT. “Essays on Environmental Economics,” 2015

M.S. thesis

- Worley, L. Department of Plant Science, UT. “The Comparison of Potential Winter Oilseed Varieties for the Mid-South and Southeastern United States,” expected 2024.
- Bista, B. AREC, UT. “Risk and Financial Analysis of Publicly Traded Biofuel Firms,” 2023.
- Ingram, S. AREC, UT. “An Analysis of Dairy Farm Financial Efficiency and Price Expectations in Seedstock Bull Markets,” 2023.
- Jiang, B. AREC, UT. “Impacts of the Trade War on U.S. Wooden Furniture Imports,” 2023.
- Ray, B. AREC, UT. “An Analysis of How Consumers Use Best-if-Used-By Dates,” 2023.
- Marks, M.L. AREC, UT. “Assessing Human Health Effects of Global Meat Trade and Local Infrastructure Upgrades,” 2022.
- White, W.T. Department of Agricultural Economics, Mississippi State University. “Bioenergy Crop Production and Water Quality: A Benefit-Transfer Approach,” 2021
- Wolaver, T. AREC, UT. “The Effect of Inputs on Poultry Production Output,” 2021
- Wei, X. AREC, UT. “Reference Price Effect on Consumers’ Willingness to Pay for Food Labels,” 2021
- Greear, E. AREC, UT. “Impacts of Tariffs and Trade Agreements on Japanese Wine Imports by Source,” 2020
- Best, S. AREC, UT. “Estimating Production of Brewery and Distillery Spent Grains in Tennessee and Identifying Sustainable Uses,” 2019
- Soh, M. AREC, UT. “Essays on Payments for Ecosystem Services Given Multiple Objectives,” 2018
- Eatherly, R. AREC, UT. “A Cost-Differential Analysis of Local Soybean Processing in East Tennessee: Roast or Crush?” 2017
- Mendez, D. AREC, UT. “Determining the Location of a Milk Condensing Plant in Tennessee,” 2017
- Lee, J. AREC, UT. “Spatial and Temporal Impacts of Incentive Payments for Forest-Based Carbon Sequestration,” 2015
- Kwon, S. AREC, UT. “Essays on Analysis of electricity Price Policy,” 2015
- Grigsby-Calage, C. AREC, UT. “Locational Advantage and the Impact of Scale: Comparing Local and Conventional Fruit and Vegetable Transportation Efficiencies,” 2015
- Humphreys, E. AREC, UT. “Factors Influencing the Feasibility of Switchgrass Feedstocks From A Biorefinery’s Perspective,” 2012
- Chen, J. AREC, UT. “Evaluation of Capital Investment and Cash Flows for Alternative Switchgrass Feedstock Supply Chain Configurations,” 2011
- Grbovic, M. AREC, UT. “Export Potential of U.S. - Produced Switchgrass and Wood Pellets for the EU Market,” 2010

SERVICE ACTIVITIES

INSTITUTIONAL SERVICE

University of Tennessee

- UT Future Mobility Initiative, 2023 – present
- UT Institute of Agriculture (UTIA) Promotion & Tenure Committee, 2020 – 2023
 - Chair: 2021 – 2022
- UTIA AgResearch Award Committee, May – June 2023.
- University faculty senator, 2018 – 2021
- UTIA AgResearch Strategic Action Plan Committee, May – July 2020.
- Tennessee representative for USDA S1072 Multistate Research Project, titled “U.S. Agricultural Trade and Policy in a Dynamic Global Market Environment”, 2018 – 2023.
- Delegate member of the UTIA for the Inaugural Workshop of China-US Center for Biomass Science and Engineering, November 4-10, 2017.
- Delegate member of UTIA for the information meeting of MOU at the Nanjing Agricultural University, November 7, 2017.
- Tennessee representative for USDA S1062 Multistate Research Project, titled “The importance of U.S. food and agricultural trade in a new global market environment”, 2013 – 2018.
- Search committee member for Governor’s Chair in sustainable energy position, 2009 – 2010.

Department of Agricultural & Resource Economics

Director of Graduate Studies: May 2022 – present

Departmental Representative for College Graduate Council: May 2022 – present

Committee chair

- Graduate program committee: May 2022 – present
- Graduate student recruiting committee: 2015 – 2021
- Human subjects committee (department review committee): 2018 – 2019
- Search committee for a faculty position in food & health economics: 2018 – 2019
- Search committee for a faculty position in agribusiness and finance: 2015 – 2016
- Manuscript review committee: 2010 & 2018
- Ag Day committee: 2011 & 2013

Committee member

- Mentoring committee: 2019 – present
- Graduate program committee: 2017 – present
- Seminar committee: 2017 – 2019
- Manuscript review committee: 2009, 2011, 2013, 2014, 2018, & 2019
- Human subjects committee (department review committee): 2011 – 2017
- Search committee for a faculty position in production economics, 2016 – 2017

- Picnic Committee, 2011 – 2014
- Search committee for a faculty position in farm and financial management, 2011 – 2012
- Search committee for a faculty position in farm management & environmental economics, 2011
- Non-thesis M.S. written comprehensive exam committee, 2011
- Ag Day committee, 2009, 2010, & 2012

Faculty mentorship

- Dr. Carlos Trejo-Pech, Assistant Professor, Agricultural & Resource Economics, 2016 – 2022
- Dr. Jackie Yenerall, Assistant Professor, Agricultural & Resource Economics, 2019 – present

Postdoc and visiting scholar mentorship

- Dr. Carlos Fontanilla-Diaz, Postdoc research associate, Agricultural & Natural Resource Economics, University of Tennessee, October 2021 – February 2023.
- Dr. Lirong Wang, Associate Professor, Business School, Nantong University, China, August 2018 – February 2019
- Dr. Jinqi Jiang, Associate Professor, Agricultural Economics & Management, Shenyang Agricultural University, China, March 2017 – February 2018

DISCIPLINARY SERVICE

Editor

Journal of Agricultural and Applied Economics, 2023 – present (with C. Boyer and M. Vassalos)

Guest editor

Energies, Special Issue on “Bioenergy Supply and Demand, Logistics, and New Feedstock Crop Assessment” in *Energies*, 2020-2021 (with K. Jensen and B.C. English)
Economics Research International, Special Issues on “Economics of Bioenergy”, 2013 (with A. Elobeid, M. Carriquiry, and S. Secchi)

National council-at-large member

Transportation Research Forum, class of 2008-09

Review panel for competitive grant

Southeast Sun Grant Competitive Grant, 2016

Referee for journal papers

• *African Journal of Agricultural Research* • *Agribusiness: An International Journal* • *Agricultural and Food Economics* • *Agricultural and Resource Economics Review* • *Agricultural Economics* • *American Journal of Agricultural Economics* • *Annals of the Brazilian Academy of Sciences* • *Applied Economic Perspectives & Policy* • *Applied Energy* • *Australian Journal of Agricultural and Resource Economics* • *Biomass &*

Bioenergy • Canadian Journal of Agricultural Economics • China Agricultural Economic Review • China Economic Review • Economic Modelling • Energies • Energy • Energy Economics • Food Policy • Health Science Reports • International Food and Agribusiness Management Review • International Journal of Disaster Risk Science • International Journal of Economic Policy in Emerging Economies • International Journal of Environmental Research • International Journal of Environmental Research and Public Health • Journal of Agribusiness in Developing and Emerging Economies • Journal of Agricultural and Applied Economics • Journal of Agricultural Science and Technology • Journal of Business Economics and Management • Journal of Cleaner Production • Journal of Development and Agricultural Economics • Journal of Integrative Agriculture • Journal of Real Estate Finance and Economics • Journal of Rural Social Sciences • Journal of Transportation Research Forum • Maritime Policy and Management • Nature Energy • Natural Resource Modeling • Public Health Nutrition • Southern Economic Journal • Sustainable Energy Technologies and Assessments • Transportation • Transportation Research Record • Transportation Research Part A: Policy and Practice • Transportation Research Part E: Logistics & Transportation • Transportmetrica A: Transport Science

Reviewer for grant proposals

South Central Sun Grant Competitive Grant, 2014 & 2016
Southeast Sun Grant Competitive Grant, 2015
Research Foundation Flanders (FWO), 2015
Österreichischer Wissenschaftsfonds (FWF), 2014