

SHENG-IYANG

CONTACT INFORMATION

EMAIL: syang23@uga.edu
ADDRESS: 180 E Green Street
Athens, GA 30602 USA

EDUCATION AND WORK EXPERIENCE

- JUN 2024 - PRESENT **University of Georgia, Athens, GA, USA.**
ASSISTANT PROFESSOR OF FOREST BIOMETRICS
WARNELL SCHOOL OF FORESTRY AND NATURAL RESOURCES
- OCT 2024 - PRESENT **University of Tennessee, Knoxville, TN, USA.**
ADJUNCT ASSISTANT PROFESSOR
SCHOOL OF NATURAL RESOURCES
- AUG 2019 - MAY 2024 **University of Tennessee, Knoxville, TN, USA.**
ASSISTANT PROFESSOR OF FOREST BIOMETRICS
SCHOOL OF NATURAL RESOURCES
- AUG 2016 - MAY 2019 **Virginia Polytechnic Institute and State University, VA, USA.** GPA:4.0/4.0
PH.D. IN DEPARTMENT OF FOREST RESOURCES AND ENVIRONMENTAL CONSERVATION.
Efficient Sampling Methods for Forest Inventories and Growth Projections - Advisor: Prof. Harold E. Burkhart
- AUG 2016 - MAY 2019 **Virginia Polytechnic Institute and State University, VA, USA.** GPA:3.91/4.0
M.S. IN DEPARTMENT OF STATISTICS.
- AUG 2014 - MAY 2016 **Virginia Polytechnic Institute and State University, VA, USA.** GPA:4.0/4.0
M.S. IN DEPARTMENT OF FOREST RESOURCES AND ENVIRONMENTAL CONSERVATION.
Estimation and Determination of Carrying Capacity in Loblolly Pine - Advisor: Prof. Harold E. Burkhart
- AUG 2013 - JUN 2014 **Shei-Pa National Park, Miaoli, Taiwan**
PARK RANGER AND HUMAN RESOURCES ASSISTANT (ALTERNATIVE MILITARY SERVICE).
- SEP 2009 - JUNE 2013 **National Taiwan University, Taipei, Taiwan.** GPA:4.09/4.30
B.S. IN SCHOOL OF FORESTRY AND RESOURCE CONSERVATION.
A Review Study: the Growth of Cryptomeria japonica (D. Don) in Taiwan - Advisor: Prof. Chyi-Rong Chiou

RESEARCH PROJECTS

- 2025 - PRESENT **Evaluating and proposing a site productivity estimation methodology for Caribbean forests.**
PI. \$150K. FUNDED BY USDA FOREST SERVICE, FOREST INVENTORY AND ANALYSIS (FIA), TN, USA.
- 2025 - PRESENT **Evaluating the differences of growth and yield projections between the Forest Vegetation Simulator (FVS) and commonly-used models for pine plantations in the southeastern U.S..**
PI. \$85K. FUNDED BY NCASI FOUNDATION USA.
- 2024 - PRESENT **Integrating SAE Methods with Stand-level Forest Inventory and Growth Projection for Southern Pine Plantations.**
PI. \$210K. FUNDED BY NCASI FOUNDATION, USDA FOREST SERVICE AND CENTER FOR ADVANCED FORESTRY SYSTEMS USA.
- 2024 - PRESENT **Developing Quantitative Methodology for Predicting Tree Growth and Stand Carrying Capacity for Pantropical Island Forests.**
PI. \$100K. FUNDED BY USDA FOREST SERVICE, FOREST INVENTORY AND ANALYSIS (FIA), TN, USA.
- 2024 - PRESENT **Plantation Management Research Cooperative (PMRC): 2021-2025.**
Co-PI. \$2,82.9K. FUNDED BY PLANTATION MANAGEMENT RESEARCH COOPERATIVE, GA, USA.
- 2024 - PRESENT **Phase III – Continued Development of a Planted Longleaf Pine Growth and Yield Model System for Cutover Sites in the Southeast US.**
Co-PI. \$375K. FUNDED BY NATIONAL FISH AND WILDLIFE FOUNDATION, FL, USA.
- 2024 - PRESENT **Promoting Economic Resilience and Sustainability of the Eastern US forests (PERSEUS).**
Co-PI. \$2,714K. FUNDED BY USDA SUSTAINABLE AGRICULTURAL SYSTEMS, Washington DC, USA.
- 2024 - PRESENT **Carbon additionality estimates and mixed species management in eYield.**
Co-PI. \$637K. FUNDED BY USDA AFRI FOUNDATIONAL GRANTS, Washington DC, USA.

RESEARCH PROJECTS (Cont'd)

- 2023 - 2024 **Characterizing Aboveground Forest Carbon for Mixed-species Forests on Federal Public Lands in the Southern Appalachian Region.**
PI. \$310K. FUNDED BY USDA FOREST SERVICE, FOREST INVENTORY AND ANALYSIS (FIA), TN, USA.
- 2021 - 2024 **Evaluating the Sustainability of Mixed-hardwood Forest Resources in the Eastern U.S.**
PI. \$62K. FUNDED BY USDA FOREST SERVICE, FOREST INVENTORY AND ANALYSIS (FIA), TN, USA.
- 2021 - 2024 **Analyzing and Enhancing Harvest Utilization Studies.**
PI. \$125K. FUNDED BY USDA FOREST SERVICE, FOREST INVENTORY AND ANALYSIS (FIA), TN, USA.
- 2021 - 2024 **Exploring Enhanced Methodology for FIA's Resource Use Monitoring.**
PI. \$120K. FUNDED BY USDA FOREST SERVICE, FOREST INVENTORY AND ANALYSIS (FIA), TN, USA.
- 2022 - 2023 **Modeling of Forestry Practices for the Family Forest Carbon Program.**
Co-PI (33%). \$116K. FUNDED BY THE NATURE CONSERVANCY, TN, USA.
- 2019 - 2021 **Efficacy of Parametric and Non-parametric Methods for Fitting Tree Stem Taper Functions.**
PI. \$20K. FUNDED BY FOREST MODELING RESEARCH COOPERATIVE, VIRGINIA TECH, VA, USA.

TEACHING EXPERIENCE

- SINCE 2020 **Graduate Student Advisor/Graduate Student Committee**
Serving as advisors for four Ph.D. students, one M.S. student and serving on several graduate student committees
UNIVERSITY OF GEORGIA, GA, USA.

Mentored four M.S. students (graduated in May 2023, Dec. 2023, and May 2024), three Ph.D. students (two transferred with me to UGA and one stayed at UT) and four undergraduates, and served on M.S. and Ph.D. committees
UNIVERSITY OF TENNESSEE, TN, USA.
- SINCE 2018 **Course Instructor**
FORS 4620/6620 Timber Management, FANR 5630/7630 Statistical Software for Natural Resource Management
WARNELL SCHOOL OF FORESTRY AND NATURAL RESOURCES, UNIVERSITY OF GEORGIA, GA, USA.

FORS 329 Forest Resource Inventory, FWF 313 Measurements and Sampling, FORS 593 Forest Biometrics/Inventory, and FWF 430/530 Introduction to Geographic Information Systems (GIS) for Natural Resources, AGNR 512 Teaching Internship in Agriculture and Natural Resources
SCHOOL OF NATURAL RESOURCES, UNIVERSITY OF TENNESSEE, TN, USA.

FREC 2214 Introduction to Land and Field Measurement, FREC 3224 Forest Biometrics Lab
DEPARTMENT OF FOREST RESOURCES AND ENVIRONMENTAL CONSERVATION, VIRGINIA POLYTECHNIC INSTITUTE AND STATE UNIVERSITY, VA, USA.
- MAY 2024 **Faculty on the Intercollegiate Graduate Statistics and Data Science Program (IGSDSP) Committee**
DEPARTMENT OF STATISTICS, UNIVERSITY OF TENNESSEE, TN, USA.
- MAY 2024 **Forestry Fall Camp Coordinator**
SCHOOL OF NATURAL RESOURCES, UNIVERSITY OF TENNESSEE, TN, USA.

REFEREED JOURNAL ARTICLES

- Vázquez-Veloso A., **Yang S.**, Bullock B. P. and Bravo Oviedo F. (2025) *One model to rule them all: A nationwide height-diameter model for 91 Spanish forest species*. *Forest Ecology and Management*. 595: 122981. (**My visiting graduate student's work**)
- Yang S.***, Brandeis T.J., and Skiba T. (2025) *Comparison of stand-level carbon among national forests and parks in southern Appalachian mountains*. *Journal of Forestry*. 123: 653–674.
- Ciceu A., Aksoy H., ..., **Yang S.**, and Mehtatalo, L. (2025) *Comparing machine learning algorithms for simultaneous prediction of tree diameter distribution percentiles*. *Ecological Informatics*. 92: 103500
- Munro H.L., Woodall C.W., ..., Weiskittel A. R. and **Yang S.** (2025) *Challenges and strategic recommendations for enhancing quantification and projection of forest carbon dynamics*. *Journal of Forestry*. 123: 703–734.
- Xie H., Wang W., Bao B., Wang X., **Yang S.**, and Lu D. (2025) *Light intensity modulates plant nitrogen uptake preference: Evidence from *Ligustrum compactum* seedlings in simulated canopy gaps of coastal shelterbelt forests*. *Journal of Forestry Research*. 36(1): 91. DOI:10.1007/s11676-025-01885-0.
- Gao Y., Wang X., Liu Q., Zhang J., Han X., **Yang S.**, and Lu D. (2025) *Converting larch monocultures to mixed-species forests: Ten-year impacts of canopy manipulation on understory regeneration*. *Forest Ecology and Management*. 585: 122611.
- Yang S.***, Brandeis T.J., and Helmer H.E., and Marcano-Vega H. (2025) *Predicting species-specific diameter growth rate for Caribbean trees using mixed-effects extreme gradient boosting*. *Forest Ecology and Management*. 580: 122520.
- Senevirathne D. M., **Yang S.**, Brandeis C., and Hodges, D.G. (2024) *Predicting time-to-harvest in mixed-species forests using a random survival forest algorithm*. *Forest Ecosystems*. 11: 100236. (**My graduate student's work**)
- Yang S.**, and Qiao Y. (2024) *Quantifying Bark Thickness and Bark Volume with Alternative Modeling Procedures for Eight Species in the Southeastern US*. *Forest Ecology and Management*. 553(1): 121631.
- Jha S., **Yang S.**, Brandeis T.J., Kuegler O., and Marcano-Vega H. (2023) *Evaluation of Regression Methods and Competition Indices in Characterizing Height-diameter Relationships for Temperate and Pantropical trees*. *Frontiers in Forests and Global Change*. 6: 1282297. (**My graduate student's work**)
- Qiao Y., **Yang S.**, Hao Y., Miao Z., Dong L., and Li F. (2023) *Quantifying the Profiles of Heartwood, Sapwood, and Bark Using a Seemingly Unrelated Mixed-Effect Model for *Larix Olgensis* in Northeast China*. *Forests*. 14(6): 1216.c
- Fang G., Xu H., **Yang S.**, Lou X., and Fang L. (2023) *Synergistic use of Sentinel-1, Sentinel-2, and Landsat 8 in predicting forest variables*. *Ecological Indicators*. 151: 110296.
- Kurth K.A., Watson E.M., Gerhold R.W., Metts D.L., Miller B.F., Morin D.J., Eda S., **Yang S.**, and Muller L.I.(2023) *Mortality, Survival, and Serological Results for Elk (*Cervus Canadensis*) in the Cumberland Mountains of Tennessee, USA* *Journal of Wildlife Diseases*. 59(3): 420–431.
- Yang S.***, Burkhart H.E., and Seki M. (2023) *Evaluating Semi- and Nonparametric Regression Algorithms in Quantifying Stem Taper and Volume with Alternative Test Data Selection Strategies*. *Forestry: An International Journal of Forest Research*. cpad019.
- Yang S.***, Brandeis T.J., Helmer H.E., Oatham M.P., Heartsill-Scalley T., and Marcano-Vega H. (2022) *Characterizing Height-Diameter Relationships for Caribbean Trees Using Mixed-effects Random Forest Algorithm*. *Forest Ecology and Management*. 524: 120507.
- Yang S.***, and Brandeis T.J. (2022) *Estimating Maximum Stand Density for Mixed-hardwood Forests among Various Physiographic Zones in the Eastern US*. *Forest Ecology and Management*. 521: 120420.
- Yang S.***, and Green P.C. (2022) *Comparison of Data Grouping Strategies on Prediction Accuracy of Tree-stem Taper for Six Common Species in the Southeastern US*. *Forests*. 13(2) 156.
- Burkhart H.E., and **Yang S.*** (2022) *A Retrospective Comparison of Carrying Capacity of Two Generations of Loblolly Pine Plantations*. *Forest Ecology and Management*. 504: 119834.
- Yang S.***, and Radtke P.J. (2022) *Predicting Bark Thickness with One- and Two-stage Regression Models for Three Hardwood Species in the Southeastern US*. *Forest Ecology and Management*. 503: 119778.

REFEREED JOURNAL ARTICLES (Cont'd.)

- Yang S.***, Cao Q.V., Shoch D.T., and Johnson T. (2022) *Characterizing Stand and Biomass Tables from Diameter Distribution Models: A Case Study for Mixed-hardwood Forests in Eastern Tennessee, USA*. *Forest Science*. 68. 8-16.
- Yang S.***, and Burkhardt H.E. (2020) *Robustness of Parametric and Nonparametric Fitting Procedures of Tree-stem Taper with Alternative Definitions for Validation Data*. *Journal of Forestry*. 118(6):576–583.
- Chiou C., Cheng C., and **Yang S.** (2020) *Comparison of Parametric and Nonparametric Methods for Estimating Size–Density Relationships in Old-Growth Japanese Cedar (*Cryptomeria japonica* D. Don) Plantations*. *Forests*. 11(6):625
- Yang S.***, and Burkhardt H.E. (2020) *Evaluation of Total Tree Height Subsampling Strategies for Estimating Volume in Loblolly Pine Plantations*. *Forest Ecology and Management*. 461: 117878.
- Chiou C., and **Yang S.*** (2019) *Estimation of the Stand Carrying Capacity of Chinese Fir Plantations In Taiwan*. *Taiwan Journal of Forest Science* 34(4): 305-315.
- Green P.C., **Yang S.***, and Burkhardt H.E. (2019) *Projection Comparison of Plot and Stand Level Inventory Aggregations in Simulated Loblolly Pine (*Pinus taeda* L.) stands*. *Canadian Journal of Forest Research*. 49: 692-700.
- Yang S.***, and Burkhardt H.E. (2019) *Comparison of Volume and Stand Table Estimates with Alternate Methods for Selecting Measurement Trees in Point Samples*. *Forestry: An International Journal of Forest Research*. 92: 42-51.
- Yang S.***, and Burkhardt H.E. (2018) *Application of Height- and Diameter-based Relative Spacing for Estimation of Stand Basal Area*. *Forest Science*. 61(1): 28-32.
- Yang S.***, and Burkhardt H.E. (2017) *Estimation of Carrying Capacity in Loblolly Pine (*Pinus taeda* L.)*. *Forest Ecology and Management*. 385: 167-176.

*corresponding author

CONFERENCE PROCEEDINGS

- Jha S., **Yang S.**, Hale D.S., Shoch D., Johnson T., Hodges D.G., and Hoyt K.P. (2023) *Quantifying Forest Aboveground Biomass using Remote Sensing and Ground Measurement for Mixed Hardwood Forests in East Tennessee*. In Proceedings of the 22nd Biennial Southern Silvicultural Research Conference. Nacogdoches, Texas. (**My graduate student's work**)

EXTENSION PUBLICATIONS

- Mercker, D., and **Yang S.** (2023) *A Guide to Common Forest Measurements*. Alabama's Treasured Forests. Vol. XLII, No. 1.
- Mercker D., and **Yang S.** (2022) *Taking Proper Measurements*. *Forest Landowner Magazine* Nov/Dec 2022: 22-25.
- Mercker D., and **Yang S.** (2022) *A Simple Guide to Common Forest Measurements*. The University of Tennessee, Institute of Agriculture. UT Extension Publication W1117.
- Mercker D., and **Yang S.** (2020) *Quick Cruising to Estimate Board-Foot Volume of Standing Hardwood Timber*. The University of Tennessee, Institute of Agriculture. UT Extension Publication W878.

INVITED PRESENTATIONS

- Yang S.** (2025) *What Do Trees Tell Us When They Speak in Numbers?*. National Taiwan University, Taipei, Taiwan.
- Yang S.** (2024) *My Research in the Southeastern US*. Sustainable Forest Management Research Institute, Universidad de Valladolid. Palencia, Spain.
- Yang S.** (2024) *Quantitative Tools for Managing Mixed-species Forests*. Mediterranean Forestry and Natural Resources Management Masters Program. Palencia, Spain.
- Yang S.** (2023) *Understanding what Forest Biometrics Entails*. Mentorship Program for Graduates of Forestry. The Achiever's Gathering, Nigeria. Online.
- Yang S.**, and Brandeis T.J. (2023) *Modeling Allometric Relationships for Caribbean Trees using a Mixed-effects Random Forest Algorithm*. IUFRO Webinar Series "Forest Mensuration and Modelling Chats". Online.
- Yang S.** (2021) *Updating Stand Projections for Loblolly Pine Plantations Using Periodic Inventories*. Forest Modeling Research Cooperative Annual Meeting. Savannah, GA USA.
- Yang S.** (2019) *Sampling Methods for Forest Inventories and Growth Projections*. National Ilan University, Taipei, Taiwan.
- Yang S.** (2019) *Comparison of Forest Management Practices Between Pine Plantations and Mixed Hardwood Forests in the Southeastern US*. Taiwan Forestry Research Institute. Taipei, Taiwan.
- Yang S.** (2019) *Forest Management and Silviculture in the Southeastern US*. National Taiwan University, Taipei, Taiwan.
- Yang S.** (2019) *Sampling Methods for Forest Inventories and Growth Projections*. Henan Agricultural University. Zhengzhou, Henan China.

PRESENTATIONS FROM MY GRADUATE STUDENTS AND POSTDOCS

- Vázquez-Veloso A., **Yang S.**, Bullock B. P. and Bravo Oviedo F. (2025) Height-diameter relationships of Spanish tree species among biogeographic regions, stand origins and species mixtures. SAF National Convention. Harford, CT USA.
- Pokherl N. R., **Yang S.**, Kinane S., Munro H., and Bullock B. P. (2025) *Comparison of growth and yield projections between the Forest Vegetation Simulator (FVS) and commonly used models for loblolly pine plantations in the southeastern U.S.* 2025 Southern and Northeastern Mensurationists Conference. Fernandina Beach, FL USA.
- Subedi P. B., **Yang S.**, Cao Q., Radtke P. J., and Bullock B. P. (2025) *Comparing the impact of canopy height models on unit-level small area estimation for loblolly pine* 2025 Southern and Northeastern Mensurationists Conference. Fernandina Beach, FL USA.
- Wagle S., **Yang S.**, Bullock B. P. and Kinane S. (2025) *Developing Individual Tree Diameter Growth Models for Loblolly Pine (Pinus taeda L.)* 2025 Southern and Northeastern Mensurationists Conference. Fernandina Beach, FL USA.
- Senevirathne D. M., **Yang S.**, Zhao D., Xiao S., Bullock B. P., Kinane S. and Chandler R. (2025) *Comparing methods for estimating stand-level survival from individual tree mortality models* 2025 Southern and Northeastern Mensurationists Conference. Fernandina Beach, FL USA.
- Senevirathne D. M., **Yang S.**, Zhao D., Bullock B. P., and Kinane S. (2025) *Comparing the impacts of planting density and thinning on individual tree survival trajectories using survival analysis* The 23rd Biennial Southern Silvicultural Research Conference. Greenville, SC USA.
- Senevirathne D. M., **Yang S.**, Bullock B. P. and Zhao D. (2024) *Predicting Time-to-mortality for Southern Pine Forests using Survival Analysis*. 2024 Northeastern and Southern Mensurationists Conference. Stowe, VT USA.
- Skiba T., **Yang S.** and Brandeis T. (2024) *Height-diameter Models for Pantropical Forests*. 2024 Northeastern and Southern Mensurationists Conference. Stowe, VT USA.
- Senevirathne D. M., **Yang S.**, Brandeis T. and Bullock, P. B. (2024) *Predicting Time-to-Mortality After Disturbances for Southern Temperate Forests Using Random Survival Forests* 2024 SAF National Convention. Loveland, CO USA.
- Wagle S., **Yang S.**, and Brandeis, T. (2024) *Developing species-specific height-diameter relationship models for Caribbean forests* 2024 SAF National Convention. Loveland, CO USA.
- Skiba T., **Yang S.** and Brandeis T. (2024) *Characterizing Aboveground Forest Carbon for Mixed-species Forests on Federal Lands in the Southern Appalachian Region*. 2024 SAF National Convention. Loveland, CO USA.
- Jha S., **Yang S.**, Hale D.S., Shoch D., Johnson T., Hodges D.G., and Hoyt K.P. (2023) *Quantifying Forest Aboveground Biomass using Remote Sensing and Ground Measurement for Mixed Hardwood Forests in East Tennessee*. The 22nd Biennial Southern Silvicultural Research Conference. Nacogdoches, TX USA.

PRESENTATIONS FROM MY GRADUATE STUDENTS AND POSTDOCS (Cont'd)

Skiba T., Brandeis C. and **Yang S.** (2022) *Exploring Alternative Methodology to Estimate By-species Sawlog Volume in the Southeastern United States*. The 2nd North American Forest Mensurationists Conference. Portland, OR USA.

Senevirathne D. M., Brandeis C. and **Yang S.** (2022) *Estimating Tree Utilization Factors among Product Classes and Species Groups in the Southern US*. The 2nd North American Forest Mensurationists Conference. Portland, OR USA.

Jha S., and **Yang S.** (2022) *Predicting Forest Aboveground Biomass with Remotely-sensed and Ground-based Variables for Mixed-hardwood Forests in Eastern Tennessee*. The 2nd North American Forest Mensurationists Conference. Portland, OR USA.

Senevirathne D. M., Brandeis C. and **Yang S.** (2022) *Understanding Tree Utilization Studies and Utilization Factor Estimation*. USDA Forest Service FIA Stakeholder Science Meeting. Online.

OTHER PRESENTATIONS

Yang S., Bullock B. P. and Zhao D. and Brandeis T.J. (2025) *Retrospective comparison of carrying capacity between CPCD and WGCD*. 2025 PMRC Annual Advisory Committee Meeting and the 50th Anniversary Celebration of Research. Athens, GA, USA.

Yang S., and Brandeis T.J. (2023) *Predicting Total Tree Height using a Mixed-effects Random Forest Algorithm for Diverse Tree Species in Caribbean*. Conference Artificial Intelligence and Ecosystems Management. Palencia, Spain. Online.

Yang S., and Brandeis T.J. (2022) *Comparison of Maximum Stand Density for Mixed-hardwood Forests among Various Physiographic Zones in the Eastern US*. USDA Forest Service FIA Stakeholder Science Meeting. Online.

Yang S. (2021) *Digital Learning in Forest Biometrics Education*. SOMENS. Blacksburg, VA.

Burkhart H.E. and **Yang S.** (2021) *Comparison of Productivity of Two Generations of Loblolly Pine Plantations on Site-prepared Lands*. SOMENS. Blacksburg, VA.

Yang S., and Burkhart H.E. (2019) *Robustness of Parametric and Nonparametric Fitting of Tree-stem Taper with Alternative Definitions for Validation Data*. SOMENS. Asheville, NC

Yang S. (2019) *Efficient Sampling Methods for Forest Inventories and Growth Projections*. USDA Forest Service Southern Station FIA. Knoxville, TN

ACHIEVEMENTS AND AWARDS

NOV. 2024 **2024 Early Career Achievement Award**, *Northeastern and Southern Mensurationists Conference*, Vermont, USA.

AUG. 2024 **Forests 2023 Early Career Investigator Award**, *Forests*, Basel, Switzerland.

APR. 2020 **Teaching and Learning Innovation Teaching Support Award**, University of Tennessee, TN, USA.

JAN. 2020 **Spring Semester Research Assistant Award**, University of Tennessee, TN, USA.

PROFESSIONAL SERVICES

- CURRENT **Coordinator of the 4.01.03 Instruments and Methods in Forest Mensuration**, International Union of Forest Research Organizations (IUFRO).
- CURRENT **Associate Editors**
Journal of Forestry, Forest Ecosystems.
- OCT. 2025 **Session Proposer and Moderator**
Developing growth and yield models for mixed species forests. 2025 SAF National Convention. Hartford, CT, USA.
- JUN. 2024 **Guest Editors**
Frontiers in Forests and Global Change (Special issue: Artificial Intelligence and Forestry), Forests (Special issue: Forest Growth and Yield under Environmental Changes).
- JUN. 2024 **Session Organizer and Moderator**, Artificial Intelligence in Forest Biometry: from predictions to understanding. 2024 XXVI IUFRO World Congress.
- OCT. 2023 **Conference Committee Chair**, 2023 Joint Conference of Southern and Northeastern Mensurationists. Knoxville, TN, USA
- APR. 2023 **Scientific Committee**, Conference Artificial Intelligence and Ecosystems Management, Palencia, Spain.
- 2021 - 2024 **Departmental Committees**, University of Tennessee, Knoxville, TN, USA.
Faculty Search Committee, Student Affairs Committee.
- SUMMER 2020 **Instructor**, 4-H Junior/High Academic Conference, University of Tennessee, TN, USA.
- SINCE 2019 **Presentation Judge**
2020, 2021, 2022 Exhibition of Undergraduate Research and Creative Achievement (EUR̄CA), University of Tennessee, TN, USA.
2019, 2021 SOMENS meeting.
2019 Society of American Foresters (SAF) National Convention. Louisville, KY, USA.
- SINCE 2018 **Journal Reviewers**
Forest Ecology and Management, Forest Ecosystems, Canadian Journal of Forest Research, Forests, Dendrochronologia, Forest Science, Scandinavian Journal of Forest Research, International Journal of Forestry Research, Fire Ecology, Carbon Balance and Management, Forest Science and Technology, Data in Brief, iForest - Biogeosciences and Forestry, Journal of Sustainable Forestry
- SUMMER 2018 **Forest Biometrician Internship**, American Forest Management, Inc., Charlotte, NC, USA