

**CURRICULUM VITAE**  
**KEVIN M. ROBERTSON**  
July, 2023

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## **CONTACT INFORMATION**

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## **EDUCATION**

PhD in Plant Biology, 2001. University of Illinois at Urbana-Champaign. Dissertation: The influence of fluvial geomorphic processes on spatial patterns of forest primary succession.

MS in Plant Biology, 1996. University of Illinois at Urbana-Champaign. Thesis: Geomorphic processes and spatial patterns of primary succession on the Bogue Chitto River, USA.

BS in Botany, 1993. Louisiana State University.

## **TRAINING AND CERTIFICATION**

Certified Senior Ecologist, Ecological Society of America

Certified Senior Fire Ecologist, Association for Fire Ecology

National Wildfire Coordinating Group Training Courses:

I-100 - Introduction to the Incident Command System

S-130 - Basic Wildland Firefighter Training

L-180 - Human Factors in the Wildland Fire Service

S-190 - Introduction to Wildland Fire Behavior

S-290 - Intermediate Wildland Fire Behavior

S-300 - Prescribed Fire Burn Boss

S-390 - Introduction to Wildland Fire Behavior Calculations

S-490 - Advanced Wildland Fire Behavior Calculations

RX-510 - Advanced Fire Effects

Florida Interagency Prescribed Fire Certification Course

Georgia Forestry Commission Prescribed Burn Certification Course

Mississippi Forestry Commission Prescribed Burn Certification Course

## **EXPERIENCE**

Fire Ecology Research Scientist, Tall Timbers Research Station and Land Conservancy, Tallahassee, Florida, January 2003-present. Conduct research in the areas of fire ecology, forest ecology, plant ecology, fire science, and related fields. Obtain external funding. Publish results in peer-reviewed and other publications. Supervise technicians and interns on research projects. Provide extension and education to government agencies, land owners, managers, and visitors on topics relating to the use of fire, forestry, and game management. Maintain adjunct faculty appointments and mentor graduate students. Provide assistance to the Tall Timbers Land Conservancy. Curate the herbarium. Research 70 %, Extension 30 %.

Land Conservation Specialist, Tall Timbers Research Station and Land Conservancy, Tallahassee, Florida, July 2001-December 2002. Surveyed private properties to document high-quality natural resources for preparation of conservation easements in the Red Hills Region of southern Georgia and northern Florida. Created natural resource maps using GPS and GIS. Participated in outreach and extension activities.

Land Steward, The Nature Conservancy, Covington, Louisiana, March 1999-September 2000. Worked as part of a prescribed burn crew in pine forest preserves. Designed and conducted pine forest ecology research and vegetation monitoring on land preserves.

Map Technician, University of Illinois, January-May 1997. Interpreted aerial photographs to created soil maps of New Mexico desert landscapes for a grant-funded project.

Teaching Assistant, "Field Ecology", University of Illinois, April 1996. Developed and led a 10-day field trip to Louisiana to teach the ecology, natural history, and geomorphology of southeastern coastal plain habitats.

Teaching Assistant, "Plant Ecology", University of Illinois, September-December 1996. Lectured, led discussions on scientific papers, facilitated cooperative learning activities, organized and taught overnight ecology trips and weekly field trips, advised and graded students on their independent field ecology research projects.

Teaching Assistant, "Plants, People, and the Environment", University of Illinois, January-May 1997 and August-December 1997. Lectured, led discussions, prepared and administered laboratory experiences, counseled students on group and individual projects, and led field trips.

Research Associate, University of Illinois, Urbana, Illinois, September-December 1996. Studied the role of crayfish in vertically translocating rock fragments from the glacial outwash into Midwestern loess soils for a grant-funded project.

Research Assistant, U. S. Army Corps of Engineers Construction Engineering Research Laboratory, Champaign, Illinois, August 1995-May 1996. GS-08. Composed documents and visited military installations to advise managers on identifying and preserving local species and habitats.

Research Associate, Louisiana State University, January 1994-August 1994. Interpreted aerial photographs and satellite images to map vegetation maps for research. Led field crew to map trees for a long term study of population dynamics of slash pine in Everglades National Park. Research Associate, Louisiana State University, March-May 1992. Mapped tree canopy patterns in a Mississippi River floodplain forest to document changes following a hurricane and to relate species distributions with geomorphic features.

Research Assistant, Louisiana State University, September 1990-August 1991. Investigated the life histories and interactions of dung beetles, mites attached to them, and fungal parasites on mites.

Research Associate, Everglades National Park, Florida and Louisiana State University, May-July 1990, May-July 1991, June 1992, June 1993, July 1997. GS-04. Field study in the Florida Everglades to track the reproductive response of epiphytic Bromeliads during seven years following a large fire and hurricane. Conducted field work for initial two years of a twenty-year study on the effects of different fire regimes on succession between pinelands and grasslands.

## PUBLICATIONS

### Peer-reviewed

- Dixon, C.M., K.M. Robertson, A.M. Reid, and M.T. Rother. 2023. Mechanical soil disturbance in a pine savanna has multi-year effects on plant species composition. *Ecosphere*. Accepted.
- Cummins, K., J. Noble, J. M. Varner, K. M. Robertson, J. K. Hiers, H. K. Nowell and E. Simonson. 2023. The Southeastern US Prescribed Fire Permit Database: Hot spots and hot moments in prescribed fire across the southeastern USA. *Fire* 6:372.
- Ulyshen, M., K. Robertson, S. Horn, and C. Dixon. 2023. Effects of season of fire on bee-flower interaction diversity in a fire-maintained pine savanna. *Ecology and Evolution* 13:e10450. <https://doi.org/10.1002/ece3.10450>
- Robertson, K.M., E. Simonson, N. Ramirez-Bullon, R. Carter, and B. Poulter. 2023. Effects of pixel resolution, mapping window size, and spectral species classification on remote sensing of plant beta diversity using biodivMapR and hyperspectral imagery. *Journal of Geophysical Research Biosciences* 128(7):e2022JG007350 <https://doi.org/10.1029/2022JG007350>
- Sánchez-López, N., A.T. Hudak, L. Boschetti, C.A. Silva, E.L. Loudermilk, K. Robertson, B.C. Bright, M.A. Callahan Jr., and M.K. Taylor. 2023. A spatially explicit model of tree leaf litter accumulation in fire maintained longleaf pine forests of the southeastern USA. *Ecological Modelling* 481:110369. <https://doi.org/10.1016/j.ecolmodel.2023.110369>
- Shuman, J., et al. 2022. Reimagine fire science in the Anthropocene. *Proceedings of the National Academy of Sciences Nexus* 1:pgac115. <https://doi.org/10.1093/pnasnexus/pgac115>
- Margolis, E.Q., C.H. Guiterman et al. 2022. The North American tree-ring fire-scar network. *Ecosphere* 13(7):e4159.
- Engstrom, T.R., J.K. Hiers, K.M. Robertson, J.M. Varner, J. Cox, J.J. O'Brien, and S. Pokswinski. 2022. Long-term recovery of selected indicator species following soil disturbance and compaction in an old-growth longleaf pine (*Pinus palustris*) woodland. *Natural Areas Journal* 42:89-97. <https://doi.org/10.3375/21-23>
- Dixon, C.M., K.M. Robertson, M.D. Ulyshen and B.A. Sikes. 2021. Pine savanna restoration on agricultural landscapes: The path back to native savanna ecosystem services. *Science of the Total Environment*, 818:151715. <https://doi.org/10.1016/j.scitotenv.2021.151715>
- Picotte, J., C.A. Cansler, C.A. Kolden, J.A. Lutz, C. Key, N.C. Benson and K.M. Robertson. 2021. Determination of burn severity models ranging from regional to national scales for the conterminous United States. *Remote Sensing of Environment* 263:112569. <https://doi.org/10.1016/j.rse.2021.112569>
- Robertson, K.M., S.M. Hermann and E.L. Staller. 2021. Frequent prescribed fire sustains old field loblolly pine–shortleaf pine woodland communities - results of a 53-year study. *Journal of Forestry* 119:549-556. <https://doi.org/10.1093/jofore/fvab035>

- Laucevicius, A.M., K.M. Robertson, D.B. Means, T.R. Mitchell and P.B. Taylor. 2021. Expansion and population structure of transplanted *Aristida beyrichiana* (wiregrass) tussocks: results of a 37-year study. *Restoration Ecology* 29:e13404. <https://doi.org/10.1111/rec.13404>
- Rother, M.T., J.M. Huffman, C.H. Guiterman, K.M. Robertson, and N. Jones. 2020. A history of recurrent, low-severity fire without exclusion in southeastern pine savannas, USA. *Forest Ecology and Management* 475:118406. <https://doi.org/10.1016/j.foreco.2020.118406>
- Hiers, J.K., J.J. O'Brien, J.M. Varner, B.W. Butler, M. Dickinson, J. Furman, M. Gallagher, D. Godwin, S.L. Goodrick, S.M. Hood, A. Hudak, L.N. Kobziar, R. Linn, E.L. Loudermilk, S. McCaffrey, K. Robertson, E.M. Rowell, N. Skowronski, A.C. Watts, and K.M. Yedinak. 2020. Prescribed fire science: the case for a refined research agenda. *Fire Ecology* 16:11. <https://doi.org/10.1186/s42408-020-0070-8>
- Robertson, K.M., W.J. Platt and C. E. Faires 2019. Patchy fires promote regeneration of longleaf pine (*Pinus palustris* Mill.) in pine savannas. *Forests* 10(5):367 <https://doi.org/10.3390/f10050367>
- Mugnani, M.P., K.M. Robertson, D. L. Miller and W. J. Platt 2019. Longleaf pine patch dynamics influence ground-layer vegetation in old-growth pine savanna. *Forests* 10:389 [doi:10.3390/f10050389](https://doi.org/10.3390/f10050389)
- Shearman, T.M., J.M. Varner, K. Robertson, and J.K. Hiers. 2019. Allometry of *Aristida beyrichiana* and *A. stricta* in fire-maintained longleaf pine-wiregrass ecosystems. *American Journal of Botany* 106:1-11. <https://doi.org/10.1002/ajb2.1215>
- Tang, C. Q., T. Matsui, H. Ohashi, Y.F. Dong, A. Momohara, S. Herrando-Moraira, S.H. Qian, Y.C. Yang, M. Ohsawa, H.T. Luu, P.J. Grote, P.V. Krestov, B. LePage, M. Werger, K. Robertson, C. Hobohm, C.Y. Wang, M.C. Peng, X. Chen, H.C. Wang, W.H. Su, R. Zhou, S.F. Li, L.Y. He, K. Yan, M.Y. Zhu, J. Hu, R.H. Yang, W.J. Li, M. Tomita, Z.L. Wu1, H.Z. Yan, G.F. Zhang, H. He, S.R. Yi, H.D. Gong, K. Song, D. Song, X.S. Li, Z.Y. Zhang, P.B. Han, L.Q. Shen, D.S. Huang, K. Luo, J. López-Pujo. 2018. Identifying long-term stable refugia for relict plant species in East Asia. *Nature Communications* 9:1-14. <https://doi.org/10.1038/s41467-018-06837-3>
- Hsieh, Y.P., G.C. Bugna and K. M. Robertson 2018. Thermochemical properties of PM<sub>2.5</sub> as indicator of combustion phase of fires. *Atmosphere* 9:230 [doi:10.3390/atmos9060230](https://doi.org/10.3390/atmos9060230)
- Rother, M.T., J.M. Huffman, G. L. Harley, W. J. Platt, N. Jones, K. M. Robertson and S. L. Orzell 2018. Cambial phenology informs tree-ring analysis of fire seasonality in Coastal Plain pine savannas. *Fire Ecology* 14:164-185. <https://doi.org/10.4996/fireecology.140116418>
- Nowell, H.K., C.D. Holmes, K. Robertson, C. Teske, and J.K. Hiers. 2018. A new picture of fire extent, variability, and drought interaction in prescribed fire landscapes: Insights from Florida government records. *Geophysical Research Letters* 45:7874-7884. <https://doi.org/10.1029/2018GL078679>
- Godwin, D.R., L.N. Kobziar, and K. M. Robertson. 2017. Effects of fire frequency and soil temperature on soil CO<sub>2</sub> efflux rates in old-field pine-grassland forests. *Forests* 8:(8)274 <https://doi.org/10.3390/f8080274>
- Hsieh, Y.P., G.C. Bugna and K.M. Robertson. 2016. Examination of two assumptions commonly used to determine PM<sub>2.5</sub> emission factors for wildland fires. *Atmospheric Environment* 147:274-283. <https://doi.org/10.1016/j.atmosenv.2016.10.012>

- Hu, X.F., C. Yu, D. Tian, M. Ruminski, K. Robertson, L.A. Waller, and Y. Liu. 2016. Comparison of the hazard mapping system (HMS) fire product to ground-based fire records in Georgia, USA. *Journal of Geophysical Research - Atmospheres* 121:2901-2910. <https://doi.org/10.1002/2015JD024448>
- Tang, C.Q., Y. Yang, M. Ohsawa, A. Momohara, S.-R. Yi, K. Robertson, K. Song, S.Q. Zhang, and L.Y. He. 2015. Community structure and survival of Tertiary relict *Thuja sutchuenensis* (Cupressaceae) in the subtropical Daba Mountains, southwestern China. *PLoS ONE* 10(4) <https://doi.org/10.1371/journal.pone.0125307>
- Stewart, J.F., R.E. Will, K.M. Robertson, and C.D. Nelson. 2015. Frequent fire protects shortleaf pine (*Pinus echinata*) from introgression by loblolly pine (*Pinus taeda*). *Conservation Genetics* 16:491-495. <https://doi.org/10.1007/s10592-014-0669-x>
- Bried, J., N.J. Gifford, and K.M. Robertson. 2015. Predicted crown fire risk adds incentive to restore open-canopy pine barrens at the wildland-urban interface. 2014. *Journal of Sustainable Forestry* 34:147-167. <https://doi.org/10.1080/10549811.2014.973610>
- Robertson, K.M., H.M. Poulos, A. Camp, and M. Tyrell. 2015. Introduction: Fire ecology of the Northeast – Restoring native and cultural ecosystems. *Journal of Sustainable Forestry* 34:1-5. <https://doi.org/10.1080/10549811.2014.973611>
- Hmielowski, T.L., K.M. Robertson, and W.J. Platt. 2014. Influence of season and method of topkill on resprouting characteristics and biomass of *Quercus nigra* saplings from a southeastern U.S. pine-grassland ecosystem. *Plant Ecology* 215:1221-1231. <https://doi.org/10.1007/s11258-014-0380-5>
- Robertson, K.M., Y.P. Hsieh, and G.C. Bugna. 2014. Fire environment effects on particulate matter emission factors in southeastern U.S. pine-grasslands. *Atmospheric Environment* 99:104-111. <https://doi.org/10.1016/j.atmosenv.2014.09.058>
- Robertson, K.M. and T.L. Hmielowski. 2013. Effects of frequency and season of resprouting of woody plants in southeastern US pine-grassland communities. *Oecologia* 174:765-776. <https://doi.org/10.1007/s00442-013-2823-4>
- Tang, C.Q., Y.C. Yang, M. Ohsawa, A. Momohara, J. Mu, and K.M. Robertson. 2013. Survival of a Tertiary relict species: the Chinese tulip tree in southern China, with special reference to village Fengshui forests. *American Journal of Botany* 100:2112-2119. <https://doi.org/10.3732/ajb.1300057>
- Reid, A.M., K.M. Robertson, and T.L. Hmielowski. 2012. Predicting litter and live herb fuel consumption during prescribed fires in native and old-field upland pine communities of the southeastern United States. *Canadian Journal of Forest Research* 42:1611-1622. <https://doi.org/10.1139/x2012-096>
- Reid, A.M. and K.M. Robertson. 2012. Energy content of common fuels in upland pine savannas of the south-eastern U.S. and their application to fire behavior modeling. *International Journal of Wildland Fire* 21:591-595. <https://doi.org/10.1071/WF10139>
- Glitzenstein, J.S., D.R. Streng, R.E. Masters, K.M. Robertson, and S.M. Hermann. 2012. Fire-frequency effects on vegetation in north Florida pinelands: Another look at the long-term Stoddard Fire Research Plots at Tall Timbers Research Station. *Forest Ecology and Management* 264:197-209. <https://doi.org/10.1016/j.foreco.2011.10.014>
- Picotte, J.J. and K.M. Robertson. 2011. Timing constraints on remote sensing of wildland fire burned area in the southeastern U.S. *Remote Sensing* 3:1680-1690. <https://doi.org/10.3390/rs3081680>

- French, N.H.F., W. de Groot, L.K. Jenkins, E. Alvarado, B. Amiro, B. de Jong, S. Goetz, E. Hoy, E. Hyer, E.S. Kasischke, R. Keane, B.E. Law, D. McKenzie, S.G. McNulty, R. Ottmar, D.P. Salicrup, J. Randerson, K.M. Robertson, B.M. Rogers, M. Turetsky, and G. van der Werf. 2011. Estimating wildland fire emissions for carbon cycle science. *Journal of Geophysical Research* 116, G00K05. <https://doi.org/10.1029/2010JG001469>.
- Picotte, J.J. and K.M. Robertson. 2011. Validation of remote sensing of burn severity in southeastern U.S. ecosystems. *International Journal of Wildland Fire* 20:453-464. <https://doi.org/10.1071/WF10013>
- Hsieh, Y.P., G. Bugna, and K.M. Robertson. 2010. Chemical signature of biomass burning emitted PM<sub>2.5</sub> and the detection of its presence in the air by a rapid method. *Tall Timbers Fire Ecology Conference Proceedings* 24:73-78. [https://talltimbers.org/wp-content/uploads/2018/09/73-Hsiehetal2010\\_op.pdf](https://talltimbers.org/wp-content/uploads/2018/09/73-Hsiehetal2010_op.pdf)
- Picotte, J.J. and K.M. Robertson. 2010. Accuracy of remote sensing wildland fire-burned area in southeastern U.S. Coastal Plain habitats. *Tall Timbers Fire Ecology Conference Proceedings* 24:86-93. [https://talltimbers.org/wp-content/uploads/2018/09/91-PicotteandRobertson2010\\_op.pdf](https://talltimbers.org/wp-content/uploads/2018/09/91-PicotteandRobertson2010_op.pdf)
- Royer, D.L., L.A. Meyerson, K.M. Robertson, and J.M. Adams. 2009. Phenotypic plasticity of leaf shape morphology along a temperature gradient in *Acer rubrum*. *PLoS ONE* 4(10): e7653. doi:10.1371/journal.pone.0007653.
- Carr, S.M., K.M. Robertson, and R.K. Peet. 2009. A vegetation classification of fire-dependent pinelands of Florida. *Castanea* 75:153-189. <https://doi.org/10.2179/09-016.1>
- Carr, S.M., K.M. Robertson, W.J. Platt, and W. Peet. 2009. A model of geographic, environmental, and regional variation in vegetation composition of pyrogenic pinelands of Florida. *Journal of Biogeography* 36:1600-1612. <https://doi.org/10.1111/j.1365-2699.2009.02085.x>
- Robertson, K.M. and T.E. Ostertag. 2009. Biomass equations for hardwood resprouts in fire-maintained pinelands in the southeastern U.S. *Southern Journal of Applied Forestry*, 33:121-128. <https://doi.org/10.1093/sjaf/33.3.121>
- Ostertag, T.E. and K.M. Robertson. 2007. A comparison of native versus old-field vegetation in upland pinelands managed with frequent fire, south Georgia, USA. *Tall Timbers Fire Ecology Conference Proceedings* 23:109-120. <https://talltimbers.org/wp-content/uploads/2018/09/109-OstertagandRobertson2007.pdf>
- Robertson, K.M. and T.E. Ostertag. 2007. Effects of land use on fuel characteristics and fire behavior in pinelands of southwest Georgia. *Tall Timbers Fire Ecology Conference Proceedings* 23:181-191. [https://talltimbers.org/wp-content/uploads/2014/03/RobertsonandOstertag2007\\_op.pdf](https://talltimbers.org/wp-content/uploads/2014/03/RobertsonandOstertag2007_op.pdf)
- Robertson, K.M. 2006. Distributions of tree species along point bars of ten rivers in the southeastern U.S. coastal plain. *Journal of Biogeography* 33:121-132. <https://doi.org/10.1111/j.1365-2699.2005.01371.x>
- Borchert, R., K. Robertson, M. D. Schwartz, and G. Williams-Linera. 2005. Phenology of temperate trees in tropical climates. *International Journal of Biometeorology* 50:57-65. <https://doi.org/10.1007/s00484-005-0261-7>
- Robertson, K.M. and D.L. Johnson. 2004. Vertical redistribution of pebbles in Mollisol catenas of central Illinois, U.S.A. *Soil Science* 169:776-786. <https://doi.org/10.1097/01.ss.0000148738.82992.10>

- Robertson, K.M. and T.E. Ostertag. 2004. Problems with Shurbon and Fauth's test of effects of prescribed burning on amphibian diversity. *Conservation Biology* 18:1154-1155. [https://doi.org/10.1111/j.1523-1739.2004.581\\_1.x](https://doi.org/10.1111/j.1523-1739.2004.581_1.x)
- Robertson, K.M. and W.J. Platt. 2001. Effects of multiple disturbances (fire, hurricane) on epiphyte-substrate associations in subtropical forests, Everglades National Park, Florida, USA. *Biotropica* 33:573-582. <https://www.jstor.org/stable/3593161>
- Robertson, K.M. and C.K. Augspurger. 1999. Geomorphic processes and pathways of primary succession on the Bogue Chitto River, U.S.A. *Journal of Ecology* 87:1057-1063. <https://doi.org/10.1046/j.1365-2745.1999.00416.x>
- Robertson, K.M. and W.J. Platt. 1991. Effects of fire on Bromeliads in tropical hammocks of Everglades National Park, Florida. *Selbyana* 13:39-49. <https://www.jstor.org/stable/41759791>

### Extension Publications

- Robertson, K.M., M. Rother, J. Huffman, C. Guiterman, N. Jones, and B. Ward. 2021. The Red Hills Region - Where the fires never stopped. Tall Timbers EJournal, Summer, 2021 Tall Timbers Research Station, Tallahassee, FL. [https://talltimbers.org/wp-content/uploads/2021/09/eJournal\\_Summer2021\\_OPT.pdf](https://talltimbers.org/wp-content/uploads/2021/09/eJournal_Summer2021_OPT.pdf)
- Picotte, J., Arkle, R.S., Bastian, H., Benson, N., Cansler, A., Caprio, T., Dillon, G., Key, C., Klein, R.N., Kopper, K., Meddens, A.J.H., Ohlen, D., Parks, S.A., Peterson, D.W., Pilliod, D., Pritchard, S., Robertson, K., Sparks, A., and Thode, A., 2019, Composite Burn Index (CBI) Data for the Conterminous US, Collected Between 1996 and 2018: U.S. Geological Survey data release. <https://doi.org/10.5066/P91BH1BZ>.
- Stawowy, L. and K.M. Robertson. 2019. The bahiagrass problem - a case of over-management? Tall Timbers EJournal, Fall 2019. <https://cloud.3dissuue.com/19646/20503/28091/Fall2019/html5/index.html?page=1&noflash>
- Picotte, J., R.S. Arkle, H. Bastian, N. Benson, A. Cansler, T. Caprio, G. Dillon, C. Key, R.N. Klein, K. Kopper, A.J.H. Meddens, D. Ohlen, S.A. Parks, D.W. Peterson, D. Pilliod, S. Pritchard, K. Robertson, A. Sparks, and A. Thode. 2019. Composite Burn Index (CBI) Data for the Conterminous US, Collected Between 1996 and 2018: U.S. Geological Survey data release. <https://doi.org/10.5066/P91BH1BZ>
- Robertson, K.M. 2019. Carrying the torch - The Sunshine State's seminal role in fire ecology and control. *Natural History* magazine, August, 2019.
- Dixon, A.K. and K.M. Robertson. 2018. An introduction to fire and soil carbon. Southern Fire Exchange Fact Sheet. <https://eadn-wc02-7111601.nxedge.io/wp-content/uploads/2019-1.pdf>
- Dixon, A.K. and K.M. Robertson. 2018. Re-introducing fire into long-unburned pine stands - the duff problem. Southern Fire Exchange Fact Sheet. <https://eadn-wc02-7111601.nxedge.io/wp-content/uploads/2018-4.pdf>
- Dixon, A.K. and K.M. Robertson. 2018. Summary of smoke related Joint Fire Science Program grants relevant to the southeastern U.S. Southern Fire Exchange Fact Sheet. <https://eadn-wc02-7111601.nxedge.io/wp-content/uploads/2018-3.pdf>
- Dixon, A.K. and K.M. Robertson. 2018. Wildland fire smoke effects on public health - what does research say? Southern Fire Exchange Fact Sheet. <https://eadn-wc02-7111601.nxedge.io/wp-content/uploads/2018-2.pdf>



- Robertson, K.M. 2017 The Road to Eden - Jordan Fisher Smith and *Engineering Eden*. Tall Timbers E-Journal, Winter 2018. [https://talltimbers.org/wp-content/uploads/2018/09/eJournal\\_Winter2018\\_FINAL\\_web.pdf](https://talltimbers.org/wp-content/uploads/2018/09/eJournal_Winter2018_FINAL_web.pdf)
- Robertson, K.M. 2017. Where the fire stops - The beech-magnolia forest primeval. Tall Timbers E-Journal, Winter 2017. [https://talltimbers.org/wp-content/uploads/2018/09/eJournal\\_Winter2017\\_Final\\_web.pdf](https://talltimbers.org/wp-content/uploads/2018/09/eJournal_Winter2017_Final_web.pdf)
- Robertson, K.M. 2015. Old growth . . . grasslands? Tall Timbers E-Journal, Fall 2015. <https://cloud.3dissue.com/19646/20503/28091/TallTimbers-eJournal-Fall2015/index.html>
- Robertson, K.M. 2015. Flickering flames - The tortuous tale of prescribed fire in the South. Tall Timbers E-Journal, Spring 2015. [https://talltimbers.org/wp-content/uploads/2019/01/eJournal\\_Spring2015\\_FINAL\\_Reduced.pdf](https://talltimbers.org/wp-content/uploads/2019/01/eJournal_Spring2015_FINAL_Reduced.pdf)
- Robertson, K.M. 2014. Hardwood resprouting: What we (and others) know today. Tall Timbers E-Journal, Fall 2014. [https://talltimbers.org/wp-content/uploads/2019/01/eJournal\\_Fall-2014\\_email.pdf](https://talltimbers.org/wp-content/uploads/2019/01/eJournal_Fall-2014_email.pdf)
- Hsieh, Y.P., K.M. Robertson, and G. Bugna. 2012. Quantifying particulate matter emission factors. International Innovation magazine, April 2012, pp. 75-77.
- Robertson, K.M. 2012. Wildland Fire PM Emission Factor Workshop Summary. 29 pp. Tall Timbers Research Station and Land Conservancy, Tallahassee, Florida. <https://static1.squarespace.com/static/545a90ede4b026480c02c5c7/t/55262db8e4b0c26feadf70fc/1428565432869/Tall%2BTimbers%2BSmoke%2Bworkshop%2Bsummary%2B2012.pdf>
- Robertson, K.M. 2007. The fire forest: Prescribed fire is a management tool in southern pine forests. Tree Farmer Magazine. March/April, pp. 6-10.
- Masters, R.E., K.M. Robertson, W.E. Palmer, J. Cox, K. McGorty, L. Green, and C. Ambrose. 2007. Red Hills Forest Stewardship Guide, Second Edition. Tall Timbers Research, Inc., Tallahassee, FL. <https://talltimbers.org/product/red-hills-forest-stewardship-guide/>
- Robertson, K.M. 2006. Prescribed Fire in America. Foreword to Joao Tome PhD Dissertation.
- Robertson, K.M. 2005. The benefits of prescribed fire. Alternate Current: Journal of the Miccosukee Land Co-op 31(13):2-3.
- Robertson, K.M. 2004. Fire Ecology Lab at Tall Timbers Research Station. Covey Rise 1:(11)14.
- Robertson, K.M. 2004. Fire in America - the short version of a long story. *Panorama* Winter 2004, pg. 10.
- Palmer, W.E., K.M. Robertson, and R.E. Masters. 2004. The culture of fire in the southeast. Pages 354-368 in: Rahn, J. (ed.). *Transactions of the Sixty-ninth North American Wildlife and Natural Resources Conference*, March 16-20, 2004, Spokane, WA. Wildlife Management Institute, USA. Pp. 826.
- Robertson, K.M. and T.E. Ostertag. 2003. Fuel characteristics and fire behavior predictions in native and old-field pinelands in the Red Hills Region, southwest Georgia. *Proceedings of the 2nd International Wildland Fire and Fire Management Congress*, Orlando, FL. <http://ams.confex.com/ams/pdfpapers/67162.pdf>
- Robertson, K.M. Articles in Tall Timbers E-News. <https://talltimbers.org/past-enews-issues/>

## **Grant Reports**

- Robertson, K.M. 2022 Final report to NASA. Linking Fire and Biodiversity - Development of SBG Remote Sensing Applications. Tall Timbers Research Station, Tallahassee, FL. Study dates: 10/1/2021-9/30/2022. Role: Lead PI.
- Robertson, K.M. and M.T. Rother. 2019. Final Report to the USDA National Institute of Food and Agriculture: Provision of ecosystem services through pine savanna restoration on privately owned agroecosystems in the southeastern U.S. Coastal Plain. Tall Timbers Research Station, Tallahassee, FL. Study dates: 4-1-2017 to 3-30-2019. Role: Lead PI.
- Robertson, K.M., G. Nelson, and A. Mast. 2012. Final Report to National Science Foundation: Collaborative Research: Imaging the Tall Timbers Research Station's biological research collections. Tall Timbers Research Station and Land Conservancy, Tallahassee, FL. Study dates: 1-1-2010 to 12-30-2012. Role: Lead PI.
- Noble, C. and K.M. Robertson. 2011. Joshua Picotte Final National Park Service Report. National Parks Service and Tall Timbers Research Station and Land Conservancy, Tallahassee, FL. 10-1-2010 to 9-30-2011. Role: Co-PI.
- Picotte, J.J. and K.M. Robertson. 2009. Validation of National Burn Severity Mapping Project techniques in selected southeastern US ecosystems. Final Report to the Joint Fire Sciences Program. [http://www.firescience.gov/projects/06-2-1-31/project/06-2-1-31\\_final\\_report\\_jfsp\\_06-2-1-31.pdf](http://www.firescience.gov/projects/06-2-1-31/project/06-2-1-31_final_report_jfsp_06-2-1-31.pdf) Study period: 4-1-2006 to 3-30-2009. Role: Lead PI.
- Robertson, K.M. 2009. Effects of fire regime on Upland Pine Forests wildlife habitat. Final Report to the Florida Fish and Wildlife Conservation Commission. Tall Timbers Research Station and Land Conservancy, Tallahassee, FL. Study period: 1-1-2006 to 12-30-2007. Role: Lead PI.
- Cox, J., K.M. Robertson, S. Jones, and A. Reckford. 2006. Monitoring Prescribed Burning on Public Lands in Florida. Final Report to the Florida Fish and Wildlife Conservation Commission. Study period: 7-15-2006 to 6-14-2007. Role: Co-PI.

## **GRANTS RECEIVED**

- \$99,000 NASA, 2022, PI. PI. Linking fire and biodiversity - Development of remote sensing applications
- \$148,000 NASA, 2021, PI. Linking fire and biodiversity - Development of remote sensing applications
- \$249,047 Joint Fire Sciences Program, 2021, Co-PI. The Southern Fire Exchange: Putting fire science on the ground. Subaward to Tall Timbers Research Station. Total grant = \$382,479.
- \$4,500 Cherokee Foundation, 2020, PI. Documentation shortleaf pine-oak-hickory communities in the Red Hills Region
- \$126,627 Joint Fire Sciences Program, 2019, Co-PI. The Southern Fire Exchange: Putting fire science on the ground. Subaward to Tall Timbers Research Station. Total grant = \$501,743.
- \$109,011 Joint Fire Sciences Program, 2018, Co-PI. The Southern Fire Exchange: Putting fire science on the ground. Subaward to Tall Timbers Research Station. Total grant = \$501,926.
- \$131,464 USDA Agriculture and Food Research Initiative, 2017, PI. Provision of ecosystem services through pine savanna restoration on privately owned agroecosystems in the southeastern U.S. Coastal Plain.

\$30,523 NASA, 2017, Co-PI. Flight planning services for FIREChem: Meteorological and smoke forecasts, bias-corrected satellite fire observations, and scheduled prescribed fires. Total grant = \$243,250.

\$55,000 Florida Fish and Wildlife Conservation Commission, 2017, Co-PI. Developing a spatial database of prescribed fire in Florida - Technical Support.

\$39,279 NASA, 2017, Co-PI. Air quality and climate impacts of biomass burning in the Southeast United States: atmospheric chemistry modeling with an improved satellite-derived emission inventory. Subaward to Tall Timbers Research Station. Total grant = \$363,362.

\$277,890 Joint Fire Sciences Program, 2015, Co-PI. The Southern Fire Exchange: Putting fire science on the ground. Subaward to Tall Timbers Research Station. Total grant = \$812,312.

\$57,248 Paul Tudor Jones, 2014, donation for restoration of 285 acres of hardwood forest.

\$177,560 Joint Fire Sciences Program, 2014, Co-PI. The Southern Fire Exchange: Putting fire science on the ground. Subaward to Tall Timbers Research Station. Total grant = \$481,485.

\$15,000 Grant from Paul Tudor Jones, 2014. General program support.

\$1,000 Grant from Cynthia & George Mitchell Foundation, 2013. General program support.

\$97,470 Joint Fire Sciences Program, 2013, Co-PI. The Southern Fire Exchange: Putting fire science on the ground. Subaward to Tall Timbers Research Station. Total grant = \$282,162.

\$12,000 Grant from Gene Phipps, 2011. Graduate student support.

\$96,867 National Science Foundation, 2010, PI. Collaborative Research: Imaging the Tall Timbers Research Station's Biological Research Collections.

\$243,000 Joint Fire Sciences Program, 2010, Co-PI. The Southern Fire Exchange: Putting fire science on the ground. Subaward to Tall Timbers Research Station. Total grant = \$761,076.

\$64,627 National Science Foundation, 2010, Co-PI. Quantifying PM<sub>2.5</sub> Emission Factors from Prescribed Burning with Application to Mitigating the Impact on Air Quality. Subaward to Tall Timbers Research Station. Total grant = \$399,397.

\$129,690 National Parks Service Cooperative Agreement for remote sensing of burn severity support to federal agencies, 2009, PI.

\$24,300 USDA National Research Initiative, 2007, Co-PI. Characterization of Organic Matter in Forest Fire PM<sub>2.5</sub> for Emission Factors Assessment and Source Tracing. Subaward to Tall Timbers Research Station. Total grant = \$275,900

\$25,000 Grant from Gene Phipps, 2008, PI. Response of hardwood resprouts to varying fire regime and fire season.

\$3,355 Florida Fish and Wildlife Conservation Commission State Wildlife Grant, 2008. Co-PI. Creation of the North Florida Sandhill Working Group.

\$210,000 Joint Fire Sciences Program, 2006, PI. Validation of National Burn Severity Mapping Project techniques in selected southeastern US ecosystems.

\$17,775 Florida Fish and Wildlife Conservation Commission State Wildlife Grant, PI. Effects of Fire Regime on Upland Pine Forests Wildlife Habitat.

\$40,000 Florida Fish and Wildlife Conservation Commission Land Incentive Program, 2006, Co-PI. Red-Cockaded Woodpecker Habitat Restoration.

\$2,000 Grant from Vaughn Williams, 2005, PI. Effects of fire regime on upland longleaf pine vegetation.

\$42,000 Florida Fish and Wildlife Conservation Commission State Wildlife Grant, 2005, Co-PI. Monitoring prescribed burning on public lands in Florida.

\$4,000 Grant from Gene Phipps, 2003, PI. Fuel measurement and fire behavior validation in upland pine forests in southern Georgia.

\$5,000 Grant from R. Panuska, 2003, PI. Fuel measurement and fire behavior validation in upland pine forests in southern Georgia.  
\$10,000 Joint Fire Sciences Program, 2000, Co-PI. 25<sup>th</sup> Fire Ecology Conference.

## **PROFESSIONAL AFFILIATIONS**

Ecological Society of America  
Association for Fire Ecology  
The Longleaf Alliance  
Natural Areas Association  
North Florida Prescribed Fire Council  
Georgia Prescribed Fire Council

## **PROFESSIONAL ACTIVITIES**

### **Conference, Symposia, and Workshop organization**

9th International Fire Ecology and Management Congress, Steering Committee, 2020  
Fire Ecology of the Northeast – Restoring Native and Cultural Ecosystems, Conference Chair, 2014  
Wildland Fire Particulate Matter Emission Factor Workshop, Conference Chair, 2012  
Fire Science Delivery Focus Groups, grant Co-PI and Steering Committee, 2009  
24th Tall Timbers Fire Ecology Conference, Conference Chair 2009  
Florida and Georgia Fire Summit, Steering Committee, 2008  
Association of Fire Ecology 3rd International Fire Congress, Program and Special Sessions committees, moderator, 2006  
Florida Burn Monitoring Workshops, grant Co-PI and Steering Committee, 2005  
23rd Tall Timbers Fire Ecology Conference, Steering Committee, 2004  
University of Florida IFAS Longleaf Pine Groundcover Restoration Symposium, Steering Committee, 2004  
Longleaf Alliance Conference, Steering Committee, 2004

### **Teaching Professionals**

National Resource Conservation Service Prescribed Fire Training Course, Tall Timbers Research Station and Land Conservancy Tallahassee, Florida:  
Fire effects on soils - 2008-2015  
Fire Effects on Vegetation – 2008-2016  
Fuels and Fire Behavior – 2012-2014  
Post Burn Evaluation – 2013-2015  
National Wildfire Coordinating Group:  
Rx310 – Fire Effects on Soil, 2010 (Jacksonville, FL)  
Rx310 – Barriers to Prescribed Fire in Southeastern Ecosystems, 2008 (Tallahassee, FL)  
Rx310 – Factors Influencing Fuel Consumption and Heat Regime, 2008 (Tallahassee, FL)  
Rx510 – First and Second Order Fire Effects, 2006 (Tucson, AZ)  
National Inter-agency Prescribed Fire Training Center

Field lectures on Tall Timbers Stoddard Fire Ecology Plots, Tall Timbers Unburned since 1966 Plot, and isolated wetlands on Tall Timbers Research Station - 1-3 lectures per year, 2003-present.

WTREX - Women in Fire Training - Ecological considerations in prescribed fire management, 2019 (Tallahassee, FL)

### **Scientific Service Activities**

The Longleaf Alliance Science Advisory Board member 2020-present

NASA Surface Biology and Geophysical Designated Observable, Algorithms Working Group, 2021-present

National Resource Conservation Service Florida State Technical Committee, 2020-present

National Science Foundation Wildland Fire Working Group, 2021

Southern Fire Exchange Consortium Co-PI, Administrative Team Member, and Co-founder 2009-present

Apalachicola Region Stewardship Alliance Steering Committee, 2015-present

North Florida Prescribed Fire Council Steering Committee Alternate, 2018-present

Christian Ecologists Mixer, Ecological Society of America Annual Meeting, founder and facilitator, 2003-present

Florida Sandhills Working Group, 2008-present

North American Carbon Program, Carbon Cycle Working Group, 2009

Southeast Fire Ecology Partnership Member, 2004-2014

Leon County Board of Commissioners Science Advisory Council 2003-2008, Vice-chair 2007-2008

Georgia Prescribed Fire Council Steering Committee, 2004-2011

Kate Ireland Parkway Fire Management Committee Coordinator, 2004-2008

Pebble Hill Bird Festival prescribed fire demonstrations and field tours, 2003, 2004, 2005, 2006, 2007, 2008

Florida Governor's Climate Change Action Team, Technical Working Group on Agriculture, Forestry, and Waste Management, 2008

Georgia Cogon Grass Action Committee, 2006

FRAMES Southern Fire Portal Advisory Committee, 2006

Florida Division of Forestry Workshop Participant, "Florida's Forests - Setting the Course for 2030", 2005

LANDFIRE Fire Regime Condition Class Workshop Participant, 2004-2005

Leon County Board of Commissioners committee to determine natural community criteria for county conservation easements, 2003

### **Tall Timbers Service Activities**

Herbarium Curator

Fire Marketing Working Group, 2019-present

Tall Timbers Open House/Fire Fest, prescribed fire demonstrations and tours, 2005-present

Fall Field Day assistance, annually 2003-present

Stewardship Field Day planning, field presentation, 2004

Strategic Planning Committee, 2005, 2009, 2015

Land Management Planning Team, 2003-present  
Computer/GIS Advisory Committee, 2004-present  
Tall Timbers Public Awareness Campaign Committee, 2005, 2009  
Wade Tract old-growth longleaf pine forest easement burn boss, 2009-2021  
Red Hills Horse Trials Fund Raiser assistance, annually 2003-2007  
Plantation Wildlife Arts Festival Fund Raiser assistance, annually 2003-2006, 2020  
Leadership Tallahassee - prescribed burn demonstrations, annually 2004-2008  
Youth Leadership Tallahassee - prescribed burn demonstration, 2008  
Leadership Thomasville - prescribed burn demonstrations, annually 2004-2008  
Land Incentive Program Committee for habitat restoration on Tall Timbers, 2005-present  
Tall Timbers Oral History Project assistance, 2004, 2005  
Search Committees for 5 positions, 2003-2009  
External Review Preparation Committee, 2009

## **Review and Editing**

### Journal editing:

Associate Editor, *Fire Ecology*, 2020-present  
Editor-in-Chief, special issue of the *Journal of Sustainable Forestry*, "Fire ecology of the Northeast – restoring native and cultural ecosystems", 2014

### Scientific journal peer-reviews:

*American Journal of Botany* - 2020  
*American Midland Naturalist* - 2003 (2)  
*Annals of the Entomological Society of America* - 2021  
*Atmosphere* - 2018  
*Atmospheric Environment* - 2014  
*Canadian Journal of Forest Research* - 2018  
*Earth's Future* - 2021  
*Ecological Applications* - 2006  
*Ecology* - 2004  
*Ecology Letters* - 2021  
*Fire Ecology* - 2005, 2006, 2018 (3), 2020 (2), 2021  
*Flora* - 2021  
*Forests* - 2016, 2019, 2020  
*Forest Ecology and Management* - 2009, 2012, 2013, 2018 (2), 2019, 2020, 2022, 2023  
*Frontiers in Forests and Global Change* - 2021  
*International Journal of Wildland Fire* - 2011, 2012, 2015, 2020  
*International Journal of Geo-Information* - 2019  
*Journal of Biogeography* - 2005 (2), 2006  
*Journal of Environmental Management* - 2020 (2), 2021 (3), 2022 (2), 2023  
*Journal of Forest Research* - 2006  
*Journal of Forestry* - 2021  
*Journal of the Torreya Botanical Society* - 2013  
*Journal of Sustainable Forestry* - 2021  
*Journal of Wildlife Management* - 2012, 2015

*Landscape and Urban Planning* - 2008  
*Natural Areas Journal* - 2007  
*Plant Ecology* - 2005, 2015  
*PlosOne* - 2016  
*Proceedings of the 3rd Fire in Eastern Oak Forest Conference* - 2005  
*Remote Sensing* - 2014, 2015, 2019  
*Restoration Ecology* – 2005  
*Science of the Total Environment* – 2020, 2022, 2023  
*Southern Journal of Applied Forestry* – 2008, 2010, 2011  
*Taiwania* - 2021  
*Tall Timbers Fire Ecology Conference Proceedings* - 2004 (2)  
*Water Resources Research* - 2012, 2019  
*Wetlands* - 2011  
*World Development and Sustainability* - 2022

#### Grant Review Committees:

Strategic Environmental Research and Development Program, 2012, 2017  
National Council for the Science of Sustainable Forestry, 2004  
Joint Fire Sciences Program Graduate Research Innovation Award, 2011

#### Conference Editing:

Abstracts and summary of Wildland Fire PM Emission Factor Workshop, 2012  
Editor-in-chief, 24th Tall Timbers Fire Ecology Conference Proceedings, 2009  
Abstracts for 24th Tall Timbers Fire Ecology Conference, 2009  
Abstracts for 3rd International Fire Congress, 2005  
Abstracts for Tri-state Longleaf Pine Groundcover Restoration, 2004  
Abstracts for 23rd Tall Timbers Fire Ecology Conferences, 2004

#### Other Reviews and Editing:

*Guide to Prescribed Fire for Landowners*, 2020  
Book chapter in *Ecological Restoration and Management of Longleaf Pine Forests*, 2017  
Book proposal for *To the Last Smoke* by Stephen Pyne, 2014  
Book review of *Forgotten Grasslands of the South – Natural History and Conservation*.  
*Ecological Restoration*, 32:213, 2014  
Book chapter in *Southeastern Grasslands: Natural History, Conservation and Management*, 2012  
Ph.D. dissertation external review for University of Kwazulu-Natal, South Africa, 2012  
Book chapters in *The History of Tall Timbers*, 2008-2009  
*Fire Ecology Encyclopedia Network* webpage, 2004  
Book chapter in *Longleaf Pine Ecosystems: Ecology, Silviculture, and Restoration*, 2003  
*Red Hills Forest Stewardship Guide*, 2003.  
*NRCS Guidelines for Firebreaks*, 2003  
Friendly reviews of manuscripts, grant proposals, and dissertations - 27 total, 2003-present

#### Media Outreach

WCTV, Tallahassee, Florida. Interviewed about California wildfires, June 30, 2020.

*British Broadcasting Company*, Soundscapes. Audio recording and narration of prescribed fire at the Wade Tract old-growth longleaf pine preserve, November 15, 2019.

*Florida Corridors Expedition Project* by Carlton Ward and Joe Guthrie. Interviewed and recorded in the field regarding role of prescribed fire in Florida natural communities, January 16, 2014.

*Boston College Magazine*. Interviewed regarding prescribed fire in the longleaf pine region, November 6, 2014.

WFSU public radio. Interviewed regarding prescribed burning and use of native plants, January 23, 2013.

*On Earth* magazine. Interviewed for article "As the east sweats, a growing fire threat." July 18, 2012.

WCTV, Tallahassee, Florida, *In the Spotlight*. Interviewed regarding Florida Prescribed Fire Awareness Week, March 6, 2010 and January 19, 2011.

High school biology textbook. Interviewed in the field while prescribed burning for supplemental video material. August 4, 2011.

*Thomasville Today* cable TV show. Interviewed about need for prescribed fire, March 27, 2008.

*Carbon Sequestration in Southern Forests* video series, University Florida IFAS. Presentation regarding effects of fire regime on southern pine forest soils, April 10, 2009.

*A Forest in Balance* documentary. Interviewed about the need for and how to conduct prescribed fires, August 27, 2009.

*One Message, Many Voices* Public Service Announcement. Interviewed about value of prescribed burning, August 27, 2009.

*Thomasville Times-Enterprise* newspaper. Interviewed regarding the need for prescribed fire, January 17, 2008. *Progressive Farmer Magazine*. Interviewed about prescribed burning on private lands, May 10, 2007.

*Greenwire National News*. Interviewed about Florida wildfires, May 15, 2007

*Tallahassee Democrat* newspaper, Tallahassee, Florida. Interviewed about prescribed burning in Florida, May 18, 2007.

*National Public Radio, Talk of the Nation Science Friday*. Interviewed about wildfires in California and Florida, May 19, 2007.

*Red Hills Region* documentary. Interviewed regarding prescribed fire in southern forests, May 31, 2007.

WCTV, Tallahassee, Florida. Interview at Kate Ireland Parkway Restoration regarding fire effects, March 21, 2006.

*Daytona Beach News Journal* newspaper, Florida. Interviewed about need for prescribed burning, April 19, 2006.

*Naples Daily News*, Florida. Interviewed regarding prescribed burning, May 10, 2006. *Southern Forests Network News and Notes*. Interviewed for article about effects of prescribed burning on soils.

*Capital Ideas Live!* podcast for Alabama Forest Owners Association. Interviewed about effects of burning on soil health, July 1, 2006.

*Timber Talk* radio show, Alabama. Interviewed regarding fire regimes and soil quality. August 22, 2006.

*Fox & Friends* national TV cable network. Interviewed regarding Esperanze Fire in Riverside County, California, October 28, 2006.



*Joint Fire Science Program Report*, Moscow, Idaho. Interviewed regarding JFSP-funded burn severity mapping research in Apalachicola National Forest, November 27, 2006.  
*Queensland Times*, Australia. Interviewed regarding bushfires in Queensland, October 18, 2004.  
*Tallahassee Democrat* newspaper, Florida. Interviewed regarding Prescribed Fire Awareness Week, March 7, 2005.  
*Washington Post*, Washington DC. Interviewed regarding the need for prescribed burning in the South, July 7, 2005.  
*Georgia Outdoors* cable TV series. Interviewed regarding prescribed burning in Southern pinelands, October 25, 2005.  
*U. Florida IFAS Florida Master Naturalist Certification Course*. Interviewed for cable channel broadcast regarding pine communities of Florida, May 5, 2004.  
*Augusta Chronicle*, South Carolina. Interviewed regarding fire plans in the Sumter National Forest, June 8, 2004.

## **UNIVERSITY ACTIVITIES**

### **Teaching**

Guest Lectures:

Florida State University:

Field Botany (BOT 3143) annually 2006-present

Careers in the Biological Sciences (BSC 3938), 2005, 2008, 2009, 2010, 2011, 2012, 2013, 2014

Environmental Planning and Urban Development (URP 5421) annually 2003-2009

Florida A&M University:

Environmental Studies (ES 3245), annually 2003-2018

Gallaudet University:

Ecology (BIO 241), 2020

University of Idaho:

Fire Ecology and Management (FOR 326), 2021

University of Vermont:

Special Topics - Wildland Fire (FOR 3990), 2023

Yale University:

Fire Science and Policy (F&ES 650b), 2013, 2014

### **Adjunct/Courtesy Faculty Appointments**

Auburn University, College of Forestry, Wildlife, and Environment

Florida State University, Department of Biological Sciences

University of Florida, Department of Wildlife Ecology and Conservation

University of Florida, School of Forest Resources and Conservation

Louisiana State University, Department of Biological Sciences, 2007-present

### **Graduate Students**

**Main Advisor:**

Emma Zeitler, MS candidate in 2023, University of Florida, Department of Wildlife Ecology and Conservation.

Maria Paula Mugnani, MS in 2018, University of Florida, Department of Wildlife Ecology and Conservation. Changes in physical conditions and plant species composition associated with cyclical patch dynamics of *Pinus palustris* in old-growth longleaf pine-grassland.

Tracy Hmielowski, PhD in 2013, Louisiana State University, Department of Biological Sciences. Resprouting response of southeastern U.S. pine forest hardwood species to fire, mechanical treatment, and season of disturbance.

Susan Carr, PhD in 2008, University of Florida, Department of Wildlife Ecology and Conservation. Floristic and environmental variation in pyrogenic pinelands of the southeastern Coastal Plain.

**Committee Member:**

Emma Zeitler, MS candidate, University of Florida Department of Wildlife Ecology.

Arthur Lamounier Moura, PhD candidate, Auburn University School of Forestry and Wildlife Sciences.

David Mason, PhD, 2023, University of Florida Department of Wildlife Ecology. Resource pulses influence plant establishment via animal vectors.

Natali Ramirez-Bullon, PhD, 2021, Florida State University. Refined approaches to improving efforts to conserve plant diversity.

Jacob Hopkins, PhD, 2021, University of Kansas, Department of Ecology and Evolutionary Biology. Impact of fire regime on soil fungi community structure and function in a fire frequented ecosystem (Longleaf Pine Savanna).

Allison Snyder, MS, 2021 Florida State University Department of Biology. Effects of fire patch dynamics on bee visitation and colonization.

Gage LaPiere, MS, 2020, University of Florida, Department of Wildlife Ecology and Conservation. The ecological role of dogfennel in southern U.S. pine communities.

Molly Wiebush, MS, 2020, Florida State University, Department of Biological Sciences. What good are unburned “islands”? The effects of heterogeneity in burns on floral community structure in an old growth longleaf forest.

David Godwin, PhD, 2015, University of Florida, School of Forest Resources and Conservation. Soil respiration in response to fire regime in a southeastern U.S. pine forest.

Darin Elair, PhD, 2014. Louisiana State University, Department of Biological Sciences. Effects of fire regime and competition on pineland hardwood dynamics.

Mindy McCallum, MS, 2010, Louisiana State University, Department of Biological Sciences. Effects of weather, fuels, and management on fire severity in a southeastern pine savanna.

Rebecca Carmichael, PhD, 2009. Louisiana State University, Department of Biological Sciences. Effects of fire on an invasive fern in southern longleaf pine forests.

**Other Student Mentorship****Interns**

2023 - Madeline Cleven, Donna Duncan

2022 - Haleigh Morgan, Madalynn Binkerd, Savannah Rascon

2021 - Genevieve Printiss, Angela Seibert, Makayla Timms, Anastasia Johnson, Tabitha Frazier, Paige Turner, Brandi Griffin

2020 - Emma Zeitler, Madeline Lyons, Porter Taylor  
 2019 - Antonio Rodriguez, Louis Sandstrum  
 2018 - Audrey Browning, Allison Snyder, Lindsey Stawowy, Brianne Ward, Anthony Laucivicius, Dylan Lockhard, Gianna Tarquinio  
 2017 - Elizabeth Fuhrman, Rebekah Wagner  
 2016 - Andrew Cunningham, Amberlin Hines, Brandon Call  
 2015 - Katie McCoy, Ruth Stetler, Jason Kang  
 2014 - Michael Porter, Michelle Smith, Michael Todd, Patrick Kimball, Jamie Peeler  
 2013 - Kyle Moon, Nicole Lang, Jessie Chi, James Patterson  
 2012 - Devin Joseph, Marissa Cunningham, Rachel Burnette, Jacob Dullworth, Michael Sickler  
 2011 - Bailey Spitzner, Alex Chapman, Andrew Martin, Kellen Callahan, Kyle Sumner  
 2010 - Bailey Spitzner, Meredith Leidy  
 2009 - George Bruner, Charles Bruner, Lauren Gershon, Diana Zheng  
 2008 - Caly Murphy, Daniel Godwin, Jessica Bowen, John Allen, Brandon Basino, Rachel Espinosa, Vivian Bernadine, Rebecca Justiniano  
 2007 - Carrie Westcott, Henry Mimms, Elyse Barksdale, Ellery Sedgwick, Robert Moore  
 2006 - David Zhou, Brian Poirrier, Heather Young, Ann George, Alana Gaskill, Joao Tome  
 2005 - James Albright, Lilly Stinson, Joelle Robertson, Collin Fridley, Erica Rau  
 2004 - Andrew Rush, Jonathan Pywell, Daryl Marois  
 2003 - Anna Deyle

## **PROFESSIONAL PRESENTATIONS**

Robertson, K.M. 2023. Prescribed fire: Restoration's silver bullet. Florida Association of Environmental Professionals, Annual Conference Keynote Speech, May 11, 2023.

Robertson, K.M, E. Simonson, and N. Ramirez-Bullon. 2023. Effects of spatial resolution, mapping window size, and spectral species clustering on remote sensing of plant beta diversity using biodivMapR and hyperspectral imagery. NASA SBG Algorithms and Applications Working Group, May 2, 2023

Robertson, K.M. 2023. Groundcover research at Tall Timbers: Summary of what's new. U. Florida IFAS Groundcover Restoration and Enhancement Workshop, Gainesville, Florida, April 5, 2023.

Robertson, K.M. 2022. Effects of fire on soil microbial community function in longleaf pine ecosystems. North Carolina Sandhills Partnership, virtual, December 7, 2022.

Robertson, K.M. and C.M. Dixon. 2022. Restoration of longleaf pine ecosystems on abandoned agricultural land treated with frequent prescribed fire. Longleaf Alliance Conference, Wilmington, North Carolina, October 26, 2022.

Robertson, K.M. 2022. Restoration of longleaf pine ecosystems on abandoned agricultural land treated with frequent prescribed fire. Association for Fire Ecology Conference, Florence, Italy, October 4, 2022.

Robertson, K.M. 2022. Fire regime, disturbance, and succession in southeastern U.S. forests and savannas – current concepts management implications. Clemson University School of Forestry and Environmental Studies Seminar, Clemson, South Carolina, September 9, 2022.

Robertson, K.M. 2022. The potential for and benefits of pine savanna restoration in the Red Hills Region. American Public Works Association, Tallahassee, Florida, July 7, 2022.

- Robertson, K.M. 2022. Fire history paradigms. Southern Blue Ridge Prescribed Burn Association, virtual, June 7, 2022.
- Robertson, K.M. 2022. Pixel resolution considerations for mapping beta diversity on southeastern U.S. natural and managed landscapes. NASA SBG Applications Seminar, virtual, May 26, 2022.
- Robertson, K.M. 2022. Frequent fire sustains old-field ecosystems. North Florida Prescribed Fire Council Meeting, Tallahassee, Florida, April 5, 2022.
- Robertson, K.M. 2022. The importance of fire to the Red Hills Region. Thomas County Historical Society, Thomasville, Georgia, January 15, 2022.
- Robertson, K.M. 2021. What is a disturbance and why does it matter? Association for Fire Ecology Fire Congress, virtual, December 1, 2021.
- Robertson, K.M. 2021. Fire regime, disturbance, succession, and state transition models – One size does not fit all. Boise State Department of Geosciences Seminar, Boise, Idaho, December 6, 2021.
- Robertson, K.M. 2021. Expansion and population structure of transplanted wiregrass tussocks: Results of a 37-year study. Association for Fire Ecology Fire Congress, 2021, virtual, December 3, 2021.
- Robertson, K.M. 2021. Fire management in the southeastern U.S. University of Idaho Fire Ecology Course, virtual, November 16, 2021.
- Robertson, K.M. 2021. The role of fire in shortleaf pine-oak-hickory communities. Alabama Prescribed Fire Council Meeting, virtual, September 9, 2021.
- Robertson, K.M. 2021. Provision of Ecosystem Services Through Restoration of Frequently Burned Pine Savanna Communities in Florida and Georgia. Natural Resources Conservation Service Florida State Technical Committee Meeting, virtual, June 23, 2021.
- Robertson, K.M. 2020. Succession: old concepts and new paradigms. Gallaudet University Ecology Course, virtual, November 12, 2020.
- Robertson, K.M. 2020. Improvement of ecosystem services through pine savanna restoration in the southeastern U.S. Coastal Plain. Longleaf Alliance Conference, virtual, October 15, 2020.
- Robertson, K.M. 2020. Expansion and population structure of transplanted wiregrass tussocks: Results of a 37-year study. Longleaf Alliance Conference, virtual, October 13, 2020.
- Robertson, K.M. 2020. Reproduction, expansion, and density-dependent dynamics of transplanted *Aristida stricta* var. *beyrichiana* (wiregrass) tussocks: results of a 37-year study. Ecological Society of America Annual Meeting, virtual, August 4, 2020.
- Robertson, K.M. 2020. Prescribed Fire 101. Southern Fire Exchange Webinar, June 24, 2020.
- Robertson, K.M. 2020. Longleaf forest patch dynamics. Southern Fire Exchange Webinar Series, virtual, May 14, 2020.
- Robertson, K.M. 2020. Prescribed fire - Interface of science and policy. Florida Association of Student Governments State Convention, Tallahassee, Florida, March 6, 2020.
- Robertson, K.M. 2019. Fire Ecologist: A natural resources career in a non-government organization. Florida State University Association for Environmental Professionals, November 4, 2019.
- Robertson, K.M. 2019. Ecosystem services provided by restoration of fire on old-fields. South Florida Fire Council, Brighton, Florida, October 15, 2019.
- Robertson, K.M., W.J. Platt, and C. Faires. 2019. The role of patch dynamics in perpetuating fire-maintained longleaf pine savannas. Association for Fire Ecology Fire Congress, Tuscon, Arizona, August 14, 2019.

- Robertson, K.M., C. Dixon, M.P. Mugnani, W.J. Platt. 2019. The role of patch dynamics in perpetuating fire-maintained longleaf pine savannas. Ecological Society of America Annual Meeting, Louisville, Kentucky, August 11-17, 2019.
- Dixon, C., K. Robertson, and A. Snyder. 2019. Potential for full restoration of post-agricultural land to pine savanna through frequent fire and succession in the southeastern U.S. Ecological Society of America Annual Meeting, Louisville, Kentucky, August 11-17, 2019.
- Robertson, K.M. 2019 Prescribed fire considerations in southern pine communities. North Florida Prescribed Burn Association, Gainesville, Florida, July 20, 2019.
- Robertson, K.M. 2019. Fire history paradigms in North America – Controversy and consensus. Southern Fire Exchange Webinar, May 30, 2019.
- Robertson, K.M. 2019. Our emerging understanding of natural processes in longleaf pine savannas and their implications for management. Yale Forest Forum, April 11, 2019.
- Robertson, K.M. 2019. Fire in the Red Hills Region. Women-in-Fire Prescribed Fire Training Exchange (WTREX), Tallahassee, Florida, April 28, 2019.
- Robertson, K.M. 2019. Fire history paradigms in North America – Controversy and consensus. Yale School of Forestry Seminar, April 10, 2019.
- Robertson, K.M. 2019. The role of patch dynamics in frequently burned longleaf pine communities. North Florida Prescribed Fire Council, Tallahassee, Florida, March 7, 2019.
- Robertson, K.M. and C. Morrison. 2018. Provision of Ecosystem Services through Pine Savanna Restoration on Privately Owned Agroecosystems in the Southeastern U.S. Coastal Plain. USDA National Institute of Food and Agriculture Project Director's Meeting, Washington, DC, December 7, 2018.
- Robertson, K.M. 2018. Disturbance and succession in southeastern pine savannas: Applying old concepts to new paradigms. Florida State University, Ecology and Evolution Lecture Series, October 5, 2018.
- Robertson, K.M. and C.M. Morrison. 2018. Restoring ecosystem resilience through frequent fire and succession of pine-grassland communities on post-agricultural land in the southeastern U.S. Ecological Society of American Annual Meeting, New Orleans, Louisiana, August 8, 2018.
- Robertson, K.M. 2017. Ecological heterogeneity: the roles of patch dynamics in frequently burned longleaf ecosystems. Association for Fire Ecology Conference, Orlando, Florida, November 28, 2017.
- Robertson, K.M. and M.T. Rother. 2017. Soil disturbance effects on pineland native plant communities in the Red Hills Region. The Nature Conservancy/Southern Fire Exchange Native Groundcover Workshop, Apalachicola River Bluffs and Ravines Preserve.
- Robertson, K.M. 2017. Effects of time since fire on fire behavior in southeastern U.S. longleaf pine-wiregrass communities. Association for Fire Ecology Conference, Orlando, Florida, November 28, 2017.
- Robertson, K.M. 2016. Anthropogenic (post-agricultural) pine-grasslands of the southeastern U.S. Coastal Plain: partial restoration of native longleaf/shortleaf pine-grasslands through unmanaged plant dispersal. Ecological Society of American Annual Meeting, Fort Lauderdale, Florida, August 10, 2016.
- Robertson, K.M., Y.P. Hsieh, and G.C. Bugna. 2016. Particulate matter emission factors in southeastern U.S. pine-grasslands. Webinar presented to the National Wildfire Coordinating Group SMOG Committee, April 7, 2016.

- Robertson, K.M. Particulate matter emission factors in southeastern U.S. pine-grasslands. Southern Fire Exchange Webinar Series, April 7, 2016
- Robertson, K.M. 2016. Soil disturbance in the longleaf pine ecosystem - conservation concerns in an old-growth grassland. Jones Ecological Research Center Seminar, April 28, 2016, Ichauway, Georgia.
- Robertson, K.M., Y.P. Hsieh, and G.M. Bugna. 2015. Fire environment effects on particulate matter emission factors in southeastern U.S. pine-grasslands. Association for Fire Ecology 6th Fire Congress, San Antonio, Texas, November 17, 2015.
- Robertson, K.M. 2015. Seasonal effects of prescribed burning. North Florida Prescribed Fire Council Meeting, October 21, 2015, Tallahassee, Florida.
- Stewart, J.F., R.E. Will, K.M. Robertson, and C.D. Nelson. 2015. Frequent fire protects shortleaf pine from introgression by loblolly pine. Southern Forest Tree Improvement Committee Conference, Hot Springs, Arkansas, June 8, 2015.
- Robertson, K.M. 2014. Effects of fire frequency and season on hardwood resprouting in southern pine communities. North Florida Prescribed Fire Council Meeting, October 2, 2013.
- Robertson, K.M. 2014. Introduction. Fire Ecology of the Northeast – Restoring native and cultural ecosystems, Yale University, New Haven, Connecticut, February 20, 2014.
- Robertson, K.M. 2013. Tall Timbers Research Station and Land Conservancy – Conserving forest natural resources through fire and timber management. Yale Forestry Forum, Yale University, New Haven, Connecticut, April 11, 2013.
- Robertson, K.M., Y.P. Hsieh, and G.C. Bugna. 2013. Fire environment effects on PM<sub>2.5</sub> emission factors and validation of previous estimates in a southern U.S. pine-grassland. International Association of Wildland Fire Conference, Raleigh, North Carolina, February 21, 2013.
- Robertson, K.M. 2013. Effects of fire regime on soil quality in restored post-agricultural pine-grasslands of northern Florida. Society for Range Management Annual Meeting, Orlando, FL, February 11, 2013.
- Hsieh, Y.P., G.C. Bugna, and K.M. Robertson. 2012. Chemical signature of biomass burning emitted PM<sub>2.5</sub> by multi-elemental scanning thermal analysis (MESTA). American Geophysical Union Fall Meeting, San Francisco, CA, December 6, 2012.
- Robertson, K.M. 2012. Predictors of PM<sub>2.5</sub> emissions in southern U.S. pine-grasslands. North Florida Prescribed Fire Council Meeting, October 22, 2012.
- Hmielowski, T., K.M. Robertson, and W.J. Platt. 2012. Method and timing of top-kill influence the number of stems and biomass of *Quercus nigra* (water oak) resprouts. Ecological Society of America Annual Meeting, Portland, Oregon, August, 2012.
- Robertson, K.M., G.M. Bugna, and Y.P. Hsieh. 2012. Fire environment effects on PM<sub>2.5</sub> emission factors and validation of previous estimates in a southern U.S. pine grassland. Wildland Fire PM Emission Factor Workshop, Atlanta, Georgia, February 7, 2012.
- Robertson, K.M., G.C. Bugna, and Y.P. Hsieh. 2012. Fire environment effects on PM<sub>2.5</sub> emission factors and validation of previous estimates in a southern U.S. pine-grassland. Wildland Fire PM Emission Factor Workshop, Atlanta, GA, February 7, 2012.
- Hsieh, Y.P., K.M. Robertson, and G.C. Bugna. 2012. Some critical elements affecting the accuracy of PM emission factor determination in forest fires. Wildland Fire PM Emission Factor Workshop, Atlanta, Georgia, February 7, 2012.

- Hsieh, Y.P., K.M. Robertson, and G.C. Bugna. 2012. Some critical elements affecting the accuracy of PM emission factor determination in forest fires. Wildland Fire PM Emission Factor Workshop, Atlanta, GA, February 7, 2012.
- Robertson, K.M. 2011. Effects of fire frequency on ecosystem carbon storage in a southeastern U.S. Coastal Plain old-field pine forest. Natural Areas Conference, Tallahassee, FL, November 1-4, 2011.
- Robertson K.M. 2011. Evidence for a distinct shortleaf pine-oak-hickory plant community in the southeastern U.S. Coastal Plain. Natural Areas Conference, Tallahassee, FL, November 1-4, 2011.
- Robertson, K.M. 2011. What post-burn evaluations tell us about fire effects & management in upland pines. Sandhills Working Group Annual Meeting, Tallahassee, FL, September 7, 2011.
- Fire Ecology Program at Tall Timbers Research Station and Land Conservancy. Florida A&M University Center for Water and Air Quality Seminar, Tallahassee, FL, September 24, 2010.
- Robertson, K.M. 2009. Prescribed fire frequency versus season of burn. North Florida Prescribed Fire Council Meeting, Tallahassee, Florida, October 21, 2009.
- Robertson, K.M. 2009. Fire regime effects on carbon sequestration in a southern pine forest. University of Florida School of Forest Resources and Conservation Seminar, Gainesville, Florida, April 10, 2009.
- Robertson, K.M. 2008. Effects of fire regimes on southeastern U.S. upland pine ecosystems. Archbold Biological Station Seminar, Venus, Florida, October 2, 2008.
- Robertson, K.M. 2008. Effects of fire regimes on southeastern U.S. upland pine forests. Longleaf Alliance Conference, Destin, Florida, October 29-31, 2008.
- Robertson, K.M. 2008. Effects of fire frequency on ecosystem carbon storage in a southeastern U.S. Coastal Plain pineland. Longleaf Alliance/Forest Guild Conference, Destin, Florida, October 31, 2008.
- Robertson, K.M. 2008. Effects of fire frequency on ecosystem carbon storage in a southeastern U.S. Coastal Plain pineland. Longleaf Alliance Conference, Destin, Florida, October 29-31, 2008.
- Robertson, K.M. and C.W. Wood. 2008. Effects of fire frequency on ecosystem carbon storage in a southeastern U.S. Coastal Plain pineland. Annual Meeting of the Ecological Society of America, Milwaukee, Wisconsin, August 4-9, 2008.
- Robertson, K.M. 2008. Prescribed fire effects on carbon sequestration in southern pine forests. North Florida Prescribed Fire Council Meeting, Tallahassee, Florida, March 7, 2008.
- Robertson, K.M. 2008. Carbon sequestration and carbon credits: the future with regard to fire. Fire Summit I: The future of fire in Florida and Georgia, Tallahassee, Florida, January 16.
- Robertson, K.M. 2007. Land management decisions and fire effects in southern pinelands. North Florida Prescribed Fire Council Meeting, Lake City, Florida, October 17, 2007.
- Meyerson, F.A.B., L. A. Meyerson, J. Adams, B. Rehill, L. Dimov, K. Robertson, and D. V. Viola. 2007. Latitudinal gradients in herbivory and plant antiherbivore defenses for North American hardwood species. Annual Meeting of the Ecological Society of America, San Francisco, California, August 3-7, 2007.
- Robertson, K.M. 2007. Wildfire, prescribed fire, and climate change in Florida. Florida Governor's Cabinet Meeting on Climate Change, Tallahassee, Florida, June 12, 2007.
- Robertson, K.M. 2007. Fire effects on soil. Applied Management in Florida Conference, Orlando, Florida, June 20-23, 2007.

- Robertson, K.M. 2007. Ecosystem Processes and Biodiversity in Southern U.S. Plant Communities. Louisiana State University Department of Biological Sciences Seminar, Baton Rouge, Louisiana, February 12, 2007.
- Robertson, K.M. 2007. Fire regime effects on soil chemistry in a southeastern U.S. pine forest. Jones Ecological Research Center Seminar, Newton, Georgia, January 11, 2007.
- Robertson, K.M. 2006. Answers to burning questions: Research and public perception of prescribed burning in the Southeast. Southeast State Parks Symposium, Wakulla, Florida, December 7, 2006.
- Robertson, K.M., S. Curd-Hetrick, R. Masters, A. Bruce, M. Naito, K. Outcalt, M. Rauscher, Jennifer Pollock, Greg Gollberg. 2006. Southern Fire Portal: Regional fire information system. Fire effects on soil carbon and nutrients in a southeastern U.S. pineland. 3rd International Fire Congress, San Diego, California, November 13-17.
- Robertson, K.M. and C.W. Wood. 2006. Fire effects on soil carbon and nutrients in a southeastern U.S. pineland. 3rd International Fire Congress, San Diego, California.
- Hsieh, Y. P., K. Robertson, and C. Coultas. 2006. Effects of Prescribed Fire Burning on the Nature and Property of Soil Organic Matter as Revealed by a Novel Multi-Elemental Scanning Thermal Analysis. American Society of Agronomy, Crop Science Society of America, and Soil Science Society of America Annual Meeting, Indianapolis, Indiana, November, 2006.
- Robertson, K.M. 2006. Fire effects in southern pinelands. North Florida Prescribed Fire Council, Tallahassee, Florida, October 18, 2006.
- Robertson, K.M. 2006. Native American land use in the Red Hills Region. Mission San Luis Seminar, Tallahassee, Florida, April 1, 2006.
- Robertson, K.M. 2006. Land use history in the Red Hills Region. Florida Ornithological Society Annual Meeting, Tallahassee, Florida, April 24, 2006.
- Robertson, K.M. and T.E. Ostertag. 2005. Fuel measurement and fire behavior validation in upland pine forests in southern Georgia, U.S.A. 23rd Tall Timbers Fire Ecology Conference, Bartlesville, Oklahoma, October 16, 2005.
- Ostertag, T.E. and K.M. Robertson. 2005. Native versus old-field vegetation in fire-maintained pinelands of southern Georgia and northern Florida, U.S.A. 23rd Tall Timbers Fire Ecology Conference, Bartlesville, Oklahoma, October 16, 2005.
- Robertson, K.M. 2004. Income potential and management of the longleaf pine-wiregrass ecosystem. Tri-state Longleaf Pine Groundcover Restoration Symposium, Quincy, Florida, November 17, 2004.
- Palmer, W.E., K.M. Robertson, and R.E. Masters. 2004. Fire in the Southeast: Past, present, and future. Transactions of the 69th annual North American wildlife and natural resources conference. The Wildlife Institute, Spokane, Washington, March 16-20.
- Robertson, K.M. and T.E. Ostertag. 2003. Fuel characteristics and fire behavior predictions in native and old-field pinelands in the Red Hills Region, southwest Georgia. 2nd International Wildland Fire and Fire Management Congress, Orlando, FL.
- Robertson, K.M. and C.K. Augspurger. 2003. Spatial segregation of floodplain tree species through differential mortality of seedlings. Annual Meeting of the Ecological Society of America, Savannah, Georgia, August 3-8, 2003.
- Robertson, K.M. 2003. Pineland fuels and predicted fire behavior. Florida State University Natural History Seminar, Tallahassee, Florida, March 26, 2004.



- Robertson, K.M. and C.K. Augspurger. 2000. Patterns of tree species in early succession along point bars of southeastern USA rivers. Annual Meeting of the Ecological Society of America, Snowbird, Utah, August 6-10, 2000.
- Robertson, K.M. and C.K. Augspurger. 1998. Pathways of primary succession and forest structure associated with geomorphology of the Bogue Chitto River, U.S.A. Annual Meeting of the Ecological Society of America, Baltimore, Maryland August 2-6, 1998.
- Robertson, K.M. and W.J. Platt. 1996. Direct effects of Hurricane Andrew on epiphytic bromeliads and their hosts in subtropical hardwood hammocks in Everglades National Park, Florida, USA. Annual Meeting of the Ecological Society of America, Providence, Rhode Island, August 10-14, 1996.
- Robertson, K.M. and W.J. Platt. 1994. The effects of Hurricane Andrew on the demography of epiphytic Bromeliads in Everglades National Park, Florida. Annual Meeting of the Ecological Society of America, Knoxville, Tennessee.
- Robertson, K.M. and W.J. Platt. 1993. Effects of fire on the demography of Bromeliads in subtropical hardwood hammocks of Everglades National Park, Florida. Annual Meeting of the Ecological Society of America, Madison, Wisconsin.
- Robertson, K. M. and M. Blackwell. 1992. Laboulbeniales associated with phoretic mites of dung beetles. Annual Meeting of the Mycological Society of America, Portland, Oregon.
- Robertson, K.M. and W.J. Platt. 1991. Factors influencing colonization of trees by epiphytic Bromeliads in Everglades National Park, Florida. Annual Meeting of the Ecological Society of America, San Antonio, Texas.
- Robertson, K.M. and W.J. Platt. 1991. Factors influencing colonization of trees by Bromeliads in Everglades National Park. Second International Symposium: The Biology and Conservation of Epiphytes. pg. 40. Sarasota, Florida.