Curriculum Vitae of Robert K. Swihart

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Education

1985	Ph.D.	University of Kansas (GPA: 4.0/4.0) "Statistical analysis of mammalian movements, with emphasis on the treatment of autocorrelated observations"
1984	M.Ph.	University of Kansas
1981	M.S.	University of Minnesota (GPA: 4.0/4.0) "Use of farmland habitat patches by the eastern cottontail (*Sylvilagus floridanus*)"
1979	B.S.	Purdue University (GPA: 4.0/4.0)

Academic Appointments

1998-present	Professor, Purdue University
4/05-8/16	Head, Department of Forestry and Natural Resources, Purdue University
7/04-4/05	Interim Head, Department of Forestry and Natural Resources, Purdue University
2/05-4/05	Codirector, Initiative for a Discovery Park Center for the Environment
1994-1998	Associate Professor, Purdue University
1991-94	Assistant Professor, Purdue University
1989-91	Associate Scientist, Connecticut Agricultural Experiment Station
1986-89	Assistant Scientist, Connecticut Agricultural Experiment Station
1986	Postdoctoral Fellow, National Institutes of Health
1985	Project Assistant, Kansas State Historical Society

Honors and Awards

2019	Excellence in Research, Seed for Success Award, Purdue University
2016	Pendleton Blanket Award, Native American Educational and Cultural Center, Purdue University
2016	Robert D. Burke Special Award, Indiana Tree Farm Program
2016	Hoosier Wildlife Award, Indiana Chapter, The Wildlife Society
2016	Learning Community Real-World Experience Award, Purdue University
2015	William L. Hoover Exemplary Faculty Service Award, Forestry and Natural Resources
2015	Learning Community Academic Connection Award, Purdue University
2014	Distinguished Service Award, Indiana Arborist Association
2014	Outstanding New Learning Community Instructor Award, Purdue University
2011	Outstanding Graduate Educator, College of Agriculture, Purdue University
2011	Outstanding Graduate Educator, Department of Forestry and Natural Resources
2003-08	Purdue University Faculty Scholar
2003	Academic Keys' Who's Who in Agriculture Higher Education
2003	Best Paper Award, Indiana Chapter, The Wildlife Society
2003	Board of Directors, White Buffalo, Incorporated
2001	Purple Baculum Award (inaugural recipient), ADE ASM
2000	Outstanding Teacher Award, Dept. Forestry and Natural Resources, Purdue University
1999	Visiting Scholar, NSF Research Experiences for Undergraduates, Eastern Illinois Univ.
1999	Earhart Hall Faculty Fellow of the Year
1996	Marquis' Who's Who in Engineering and Science, 3rd edition
1995	Wiley Hall Faculty Fellow of the Year

1993	Outstanding Teacher Award, Dept. Forestry and Natural Resources, Purdue University
1987-92	Research Associate, University of Kansas Museum of Natural History
1986	NIH Postdoctoral National Research Service Award
1986	American Society of Mammalogists Graduate Student Paper Award
1985	Tomanek Outstanding Paper Award, Kansas Academy of Science
1985	Honors, doctoral dissertation
1984	Summer Fellow, University of Kansas
1981-85	Honors Fellow, University of Kansas
1981	Phi Eta Sigma Scholastic Honorary Fraternity
1980	Gamma Sigma Delta Agricultural Honorary Fraternity
1979-80	Bush Fellow, University of Minnesota
1979	Phi Kappa Phi Scholastic Honorary Fraternity
1978	CERES Agricultural Honorary Fraternity

Professional Affiliations

American Society of Mammalogists (Life Member)
The Ecological Society of America
The Wildlife Society
Indiana Academy of Science

Research Productivity/Impact

- Supervised 12 M.S. students, 19 Ph.D. students, and 12 postdoctoral research associates
- Number of scientific articles produced per completed graduate student or postdoctoral advisee from work done at Purdue:

	Mean	Range
M.S.	3.4	1 – 8
Ph.D.	7.1	1 – 12
Postdoc	3.6	0 – 9

- Served on advisory committees for an additional 36 graduate students;
- Served as advisor for 25 independent undergraduate research projects;
- Served as research mentor for Food, Environment, Engineering and Life Sciences (FEELS) program
- Published 208 scientific articles including 2 monographs
- See http://scholar.google.com/citations?view_op=list_works&hl=en&user=FXbj0OQAAAAJ ;
- Citation-based bibliometrics:

	Web of Science	Google Scholar
Citations	6,304	10,481
h-index[a]	41	54
i-10 index[b]	113	135

[a]h publications cited at least h times
[b]i publications cited at least 10 times

- ResearchGate score = 40.96 (top 2.5% of all member scores; www.researchgate.net)
- ResearchGate Research Interest score = 4,457 (top 1% of researchers)
- Expertscape.com top 0.75% of authors on Feeding Behavior
- Delivered >120 oral or poster presentations, including >40 invited presentations;
- Secured $7,830,000 in funding (from a total of $13,523,000 with other investigators);

I am a quantitative ecologist whose research focuses primarily on forest mammals and the topical areas of fragmentation ecology, plant-herbivore interactions, disturbance ecology, and conservation biology. I use experimental, comparative and modeling approaches to address the importance of spatial structure for behavioral and ecological processes affecting the conservation and management of vertebrates. I seek to balance theoretical and methodological studies with applied work in human-dominated systems. The

inherently interdisciplinary nature of my research has led to the development of strong collaborative ties with mathematicians, statisticians, computer scientists, remote sensing specialists, botanists, parasitologists, endocrinologists, chemists, hydrologists, economists, demographers, and social scientists.

Research Publications
(ϛ = undergraduate student; * = graduate student; ** = postdoctoral associate)

Manuscripts in Review/Revision

1. *Prieur, A-G. A., and R.K. Swihart. Vole activity surveys predict damage to cover-cropped soybeans.
2. *Zagorski, M.E., and R.K. Swihart. Raptor resources selection in agroecosystems: cover crops and definitions of availability matter.
3. ϛVercauteren, A.L., *A-G.A. Prieur, and R.K. Swihart. Reduced overwinter survival of waste corn (*Zea mays*) in fields with cover crops. *Weed Biology and Management*.
4. **Jones, L.R., S.A. Johnson, C.M. Hudson, P.A. Zollner, and R.K. Swihart. Habitat selection in a recovering bobcat (*Lynx rufus*) population: advantages of machine learning over traditional resource selection analyses.

Articles in Print or in Press

208. *Zagorski, M.E., and R.K. Swihart. Northern harriers (*Circus hudsonius*) are facultative specialists on arvicoline rodents in midwestern agroecosystems. *American Midland Naturalist*.
207. **Jones, L.R., ϛE. Godollei, S.A. Johnson, C.M. Hudson, P.A. Zollner, and R.K. Swihart. 2020. Survival and mortality sources in a recovering population of bobcats (*Lynx rufus*) in south-central Indiana. *American Midland Naturalist,* in press.
206. *Zagorski, M.E., and R.K. Swihart. Killing time in cover crops? Artificial perches promote field use by raptors. 2020. *Annals of Applied Biology,* in press.
205. *Prieur, A-G. A., and R.K. Swihart. 2020. Field attributes and farming practices associated with vole (*Microtus*) damage in cover-cropped fields. *Agriculture, Ecosystems, and Environment,* in press.
204. *Prieur, A-G. A., and R.K. Swihart. 2020. Palatability of common cover crops to voles (*Microtus*). *Crop Protection*, in press.
203. *Greenler, S.M., R.K. Swihart, and M.R. Saunders. 2020. Prescribed fire promotes acorn survival and seedling emergence from simulated caches. *Forest Ecology and Management*, in press.
202. **Kierepka, E.M., S.A. Anderson, R.K. Swihart, and O.E. Rhodes, Jr. 2020. Differing, multi-scale landscape effects on genetic diversity and differentiation in eastern chipmunks. *Heredity*, in press.
201. Swihart, R.K., J.N. Caudell, J.M. Brooke, and Z. Ma. 2020. A flexible model-based approach to delineate wildlife management units. *Wildlife Society Bulletin* DOI: 10.1002/wsb.1037.
200. *Sundaram, M, ϛA. Higdon, K. Wood, C. Bonham, and R.K. Swihart. 2020. Mechanisms underlying detection of seed dormancy by a scatter-hoarding rodent. *Integrative Zoology* 15:89-102. doi.org/10.1111/1749-4877.12417.
199. **Kellner, K.F., *J.E. Duchamp, and R.K. Swihart. 2019. Niche breadth and vertebrate sensitivity to habitat modification: signals from multiple taxa across replicated landscapes. *Biodiversity and Conservation* 28:2647-2667. http://doi.org/10.1007/s10531-019-01785-w.
198. *Greenler, S.M., ξL.A. Estrada, K.F. Kellner, M.R. Saunders, and R.K. Swihart. 2019. Prescribed fire and partial overstory removal alter an acorn-rodent conditional mutualism. *Ecological Applications*, doi.org/10.1002/eap.1958.
197. *Nelson, D.L, **K.F. Kellner, and R.K. Swihart. 2019. Rodent population density and survival respond to disturbance induced by timber harvest. *Journal of Mammalogy* 100:1253-1262. doi:10.1093/jmammal/gyz094.

196. **Feiner, Z.S., C.J. Foley, R.K. Swihart, H. Bootsma, S. Czesny, J. Janssen, J. Rinchard, and T.O. Höök. 2019. Individual and spatial variation are as important as species-level variation to the trophic complexity of a lentic food web. *Ecology of Freshwater Fish* 2019:1-17. DOI:10.1111/eff.12472
195. *Zeng, Di, R.K. Swihart, Y. Zhao, X. Si, and P. Deng. 2019. Cascading effects of forested area and isolation on seed dispersal effectiveness of rodents on subtropical islands. *Journal of Ecology* 107:1506-1517. DOI: 10.1111/1365-2745.13122
194. ϛBartlow, A., R. Curtis, N.I. Lichti, R.K. Swihart, and M.A. Steele. 2018. Re-caching of acorns by eastern gray squirrels: cache management in eastern deciduous forests of North America. *Acta Oecologica* 92:117-122.
193. **Feiner, Z.S., R.K. Swihart, D.P. Coulter, and T.O. Höök. 2018. Fatty acids in an iteroparous fish: variable complexity, identity, and phenotypic correlates. *Canadian Journal of Zoology* 96:859-868.
192. *Ruhl, P.J., **K.F. Kellner, ϛJ.M. Pierce, J.K. Riegel, R.K. Swihart, M.R. Saunders, and J.B. Dunning, Jr. 2018. Characterization of worm-eating warbler (*Helmitheros vermivorum*) breeding habitat at the landscape level and nest scale. *Avian Conservation and Ecology* 13(1):11. https://doi.org/10.5751/ACE-01185-130111.
191. **Kellner, K.F., *P.J. Ruhl, J.B. Dunning, Jr., K.W. Barnes, M.R. Saunders, and R.K. Swihart. 2018. Local-scale habitat components driving bird abundance in eastern deciduous forests. *American Midland Naturalist* 180:52-65.
190. Swihart, R.K., **M. Sundaram, K.F. Kellner, and S. Fei. 2018. Benchmarking scholarly performance by faculty in forestry and forest products. *Journal of Forestry* 116:320-327.
189. *Sundaram, M, N.I. Lichti, N.O. Widmar, and R.K. Swihart. 2018. Eastern gray squirrels are consistent shoppers of seed traits: Insights from discrete choice experiments. *Integrative Zoology* 13:280-296.
188. *Berl, J.L., E.A. Flaherty, **K.F. Kellner, and R.K. Swihart. 2018. Spatial variation in density of white-footed mice along edges in fragmented habitat. *American Midland Naturalist* 179:38-50.
187. *Berl, J.L., A.J. Kuenzi, E.A. Flaherty, and R.K. Swihart. 2018. Interspecific comparison of hantavirus prevalence in *Peromyscus* populations from a fragmented agro-ecosystem in Indiana, USA. *Journal of Wildlife Diseases* 54:147-150.
186. *Berl, J.L., ϛK.M. Verble, E.A. Flaherty, and R.K. Swihart. 2017. Field discrimination of prairie deer mice and white-footed mice using morphological characteristics. *The Prairie Naturalist* 49:66-71.
185. *Berl, J.L., ϛM.W. Voorhees, ϛJ.Y. Wu, E.A. Flaherty, and R.K. Swihart. 2017. Collection of blood from wild-caught mice (*Peromyscus*) via sub-mandibular venipuncture. *Wildlife Society Bulletin* 41:816-820.
184. *Berl, J.L., E.A. Flaherty, B.J. Danielson, **K.F. Kellner, and R.K. Swihart. 2017. Winter ecology of prairie deer mice (*Peromyscus maniculatus bairdii*) in cultivated habitats: implications for agricultural ecosystem services. *Agriculture, Ecosystems & Environment* 249:130-136.
183. *Berl, J.L., ϛH.A. Johnstone, ϛJ.Y. Wu, E.A. Flaherty, and R.K. Swihart. 2017. Preference for weed seed and waste grain by native mice in row-crop agriculture. *Weed Science* 65:406-412.
182. ϛAbercrombie, S.A., *J.L. Berl, E.A. Flaherty, and R.K. Swihart. 2017. Seasonal foraging by forest mice enhances loss of weed seeds from crop-field edges. *Northeastern Naturalist* 24:5-17.
181. *Kellner, K.F., and R.K. Swihart. 2017. Simulation of oak early life history and interactions with disturbance via an individual-based model, SOEL. *PLoS ONE* 12(6):e0179643.
180. *Kellner, K.F., and R.K. Swihart. 2017. Herbivory on planted oak seedlings across a habitat edge created by timber harvest. *Plant Ecology* 218:213-223.
179. *Sundaram, M., N.I. Lichti, M.A. Steele, H.J. Dalgleish, and R.K. Swihart. 2017. Frequency-dependent hoarding by *Sciurus carolinensis* occurs with seeds of similar perceived value. *Journal of Mammalogy* 98:124-134.

178. **Lichti, N.I., M.A. Steele, and R.K. Swihart. 2017. Seed fate and decision-making processes in scatterhoarding rodents. Biological Reviews 92:474-504.
177. **Smyser, T.J., G.E Stauffer**, S.A. Johnson, C.M. Hudson, O.E. Rhodes, Jr., and R.K. Swihart. 2016. Annual survival of Allegheny woodrats in a nonequilibrium metapopulation. *Journal of Mammalogy* 97:1699-1708.
176. Fan, Meng, Wu, Ping, Feng, Zhilan, and Swihart, Robert K. 2016. Dynamics of predator-prey metapopulations with Allee effects. *Bulletin of Mathematical Biology* 78:1727-1748.
175. **Kellner, K.F., *P.J. Ruhl, J.K. Riegel, J.B. Dunning, Jr., and R.K. Swihart. 2016. Multi-scale responses by breeding birds to experimental forest management in Indiana, USA. *Forest Ecology and Management* 382:64-75.
174. Negreros-Castillo, P, I. Martínez-Salazar, *K.F. Kellner, C.W. Mize, R.K. Swihart, and M.A. Navarro-Martínez. 2016. Survival of *Swietenia macrophylla* King seed when directly sown into slash and burn agriculture fields in Quintana Roo, Mexico. *Bois et Forêts des Tropiques* 329(3):43-52.
173. **Kierepka, E.M., S.A. Anderson, R.K. Swihart, and O.E. Rhodes, Jr. 2016. Evaluating the influence of life history characteristics on genetic structure: A comparison of small mammals inhabiting complex agricultural landscapes. *Ecology and Evolution*, doi:10.1002/ece3.2269.
172. *Kellner, K.F., and R.K. Swihart. 2016. Timber harvest and drought interact to impact oak seedling growth and survival in the Central Hardwood Forest. *Ecosphere* 7(10): e01473. www.esajournals.org.
171. *Kellner, K.F., N.I. Lichti, and R.K. Swihart. 2016. Midstory removal reduces effectiveness of oak (*Quercus*) acorn dispersal by small mammals in the Central Hardwood Forest region. *Forest Ecology and Management* 375:182-190.
170. Swihart, R.K., *M. Sundaram, T.O. Höök, J.A. DeWoody, and K.F. Kellner**. 2016. Benchmarks of scholarly performance for faculty in fisheries and wildlife. *PLoS ONE* 11(5): e0155097. doi:10.1371/journal.pone.0155097.
169. **Willoughby, J.R., B.K. Wijayawardena*, M. Sundaram*, R.K. Swihart, and J.A. DeWoody. 2016. The importance of including imperfect detection models in eDNA experimental design. *Molecular Ecology Resources* doi: 10.1111/1755-0998.12531.
168. Swihart, R.K., *M. Sundaram, T.O. Höök, and J.A. DeWoody. 2016. Factors affecting scholarly performance by wildlife and fisheries faculty. *Journal of Wildlife Management* 80:563-572.
167. **Smyser, T.J., R. Blythe*, S.A. Johnson, N.I. Lichti, and R.K. Swihart. 2016. Allegheny woodrat hard mast preference and response to food supplementation. *Journal of Wildlife Management* 80:275-283.
166. Dalgleish, H.J., **N.I. Lichti, ᶜN. Schmedding, and R.K. Swihart. 2015. Exposure to herbivores increases seedling growth and survival of American chestnut (*Castanea dentata*) through decreased interspecific competition in canopy gaps. *Restoration Ecology* 23:655-661.
165. **Smyser, T.J., S. Johnson, ᶜM.D. Stallard, A.K. McGrew, L.K. Page, N. Crider, L.R. Ballweber, R.K. Swihart, and K.C. VerCauteren. 2015. Evaluation of anthelmintic fishmeal polymer baits for the control of *Baylisascaris procyonis* in free-ranging raccoons (*Procyon lotor*). *Journal of Wildlife Diseases* 51:640-650.
164. *Blythe, R., **N.I. Lichti, **T.J. Smyser, and R.K. Swihart. 2015. Selection, caching, and consumption of hardwood seeds by forest rodents: Implications for restoration of American chestnut. *Restoration Ecology* 23:473-481.
163. *Blythe, R., **T.J. Smyser, and R.K. Swihart. 2015. Tree squirrel seed predation patterns may influence American chestnut restoration success. *New Forests* 46:593-600.
162. ᶜLeonard, O.D., ᶜJ.W. Moore, J.K. Riegel, A.R. Meier, J.B. Dunning, Jr., and R.K. Swihart. 2015. Effect of forest-management practices on winter occupancy of Barred Owls and Eastern Screech-Owls in deciduous forests in the east-central United States. *Journal of Field Ornithology* 86:115-129.

161. *Blythe, R., **T. Smyser, S. Johnson, and R.K. Swihart. 2015. Post-release survival of captive-reared Allegheny woodrats. *Animal Conservation* 18:186-195.
160. *Sundaram, M., *J. Willoughby, **N.I. Lichti, M.A. Steele, and R.K. Swihart. 2015. Segregating the effects of seed traits and common ancestry of hardwood trees on eastern gray squirrel foraging decisions. *PLOS ONE* 10(6): e0130942. doi:10.1371/journal.pone.0130942.
159. *Anderson, S.J., *E.M. Kierepka, E.K. Latch, R.K. Swihart, and O.E. Rhodes, Jr. 2015. Assessing the permeability of landscape features to animal movement: Using genetic structure to infer functional connectivity. *PLOS ONE* 10(2):e0117500. DOI:10.1371/journal.pone.0117500.
158. **Smyser, T.J., J.V. Redding, Jr., ᶜC.M. Bevis, L.K. Page, and R.K. Swihart. 2015. Development of an automated dispenser for the delivery of medicinal or vaccine-laden baits to raccoons. *Journal of Wildlife Diseases* 51:513-518.
157. *Govindan, B.N., Z. Feng, Y. DeWoody, and R.K. Swihart. 2015. Intermediate disturbance in experimental landscapes improves persistence of beetle metapopulations. *Ecology* 96:728-736.
156. *Govindan, B.N., and R.K. Swihart. 2015. Community structure of acorn weevils (*Curculio*): inferences from multi-species occupancy models. *Canadian Journal of Zoology* 93:31-39.
155. *Kellner, K.F., J. Riegel, and R.K. Swihart. 2014. Effects of silvicultural disturbance on acorn infestation and removal. *New Forests* 45:265-281.
154. **Smyser, T.J., and R.K. Swihart. 2014. Husbandry practices for the captive propagation of Allegheny woodrats. *Zoo Biology* 33:29-35.
153. *Kellner, K.F. and R.K. Swihart. 2014. Accounting for imperfect detection in ecology: a quantitative review. *PLOS ONE* 9(10): e111436.
152. *Kellner, K.F., and R.K. Swihart. 2014. Changes in small mammal microhabitat use following silvicultural disturbance. *American Midland Naturalist* 172:348-358.
151. *Lichti, N.I., M.A. Steele, H. Zhang, and R.K. Swihart. 2014. Mast species composition alters seed fate in North American rodent-dispersed hardwoods. *Ecology* 95:1746-1758.
150. *Kellner, K.F., *N.A. Urban, and R.K. Swihart. 2013. Short-term responses of small mammals to timber harvest in the Central Hardwoods. *Journal of Wildlife Management* 77:1650-1663.
149. **Smyser, T.J., L.K. Page, S.A. Johnson, C.M. Hudson, *K.F. Kellner, R.K. Swihart, and O.E. Rhodes, Jr. 2013. Management of raccoon roundworm in free-ranging raccoon populations via anthelmintic baiting. *Journal of Wildlife Management* 77:1372-1379.
148. ᶜRichardson, K.B., *N.I. Lichti, and R.K. Swihart. 2013. Acorn foraging preferences among four species of free-ranging avian seed predators in eastern deciduous forests. *Condor* 115:863-873.
147. ᶜSipes, A.R., Jr., *N.I. Lichti, and R.K. Swihart. 2013. Acorn germination is not enhanced near cache sites relative to random locations. *Canadian Journal of Zoology* 91:529-532.
146. **Dalgleish, H.J., *J.T. Shukle, and R.K. Swihart. 2013. Weevil diversity on Chinese, American, and BC_3 chestnut in central Indiana. *Journal of the American Chestnut Foundation* 27(3):24-28.
145. Swihart, R.K., M.R. Saunders, R.A. Kalb, G.S. Haulton, and C.H. Michler (editors). 2013. *The Hardwood Ecosystem Experiment: a framework for studying responses to forest management*. General Technical Report NRS-P-108. Newtown Square, PA. U.S. Department of Agriculture, Forest Service, Northern Research Station. [CD ROM] 350 p. Online: http://www.nrs.fs.fed.us/pubs/42882
144. Saunders, M.R., and R.K. Swihart. 2013. Science in the Hardwood Ecosystem Experiment: accomplishments and the road ahead. Pages 315-332 in *The Hardwood Ecosystem Experiment: a framework for studying responses to forest management* (R.K. Swihart, M.R. Saunders, R.A. Kalb, G.S. Haulton, and C.H. Michler, editors). General Technical Report NRS-P-108. Newtown Square, PA. U.S. Department of Agriculture, Forest Service, Northern Research Station. [CD ROM] 350 p. Online: http://www.nrs.fs.fed.us/pubs/42882
143. *Urban, N.A., and R.K. Swihart. 2013. A pre-treatment assessment of small mammals in the Hardwood Ecosystem Experiment. Pages 151-175 in *The Hardwood Ecosystem Experiment: a framework for studying responses to forest management* (R.K. Swihart, M.R. Saunders, R.A. Kalb, G.S. Haulton, and C.H. Michler, editors). General Technical Report NRS-P-108.

Newtown Square, PA. U.S. Department of Agriculture, Forest Service, Northern Research Station. [CD ROM] 350 p. Online: http://www.nrs.fs.fed.us/pubs/42882

142. *Kellner, K.F., J.K. Riegel, *N.I. Lichti, and R.K. Swihart. 2013. Oak mast production and animal impacts on acorn survival in the Central Hardwoods. Pages 176-190 in *The Hardwood Ecosystem Experiment: a framework for studying responses to forest management* (R.K. Swihart, M.R. Saunders, R.A. Kalb, G.S. Haulton, and C.H. Michler, editors). General Technical Report NRS-P-108. Newtown Square, PA. U.S. Department of Agriculture, Forest Service, Northern Research Station. [CD ROM] 350 p. Online: http://www.nrs.fs.fed.us/pubs/42882
141. **Dalgleish, H.J., J.T. Shukle*, and R.K. Swihart. 2012. Weevil seed damage reduces germination and seedling growth of hybrid American chestnut. *Canadian Journal of Forest Research* 42:1107-1114.
140. *Govindan, B.N., and R.K. Swihart. 2012. Experimental beetle metapopulations respond positively to dynamic landscapes and reduced connectivity. *PLoS ONE* 7(4): e34518. doi:10.1371/journal.pone.0034518.
139. Page, L. K., S. A. Johnson, R. K. Swihart, and K. R. Kazacos. 2012. Prevalence of *Baylisascaris procyonis* in habitat associated with Allegheny woodrat (*Neotoma magister*) populations in Indiana. *Journal of Wildlife Diseases* 48:503-507.
138. *Rizkalla, C. R., and R. K. Swihart. 2012. Incorporating behavior-based indices of connectivity into spatially explicit population models. *Canadian Journal of Zoology* 90:222-236.
137. *Urban, N.A., R.K. Swihart, M.C. Malloy*, and J.B. Dunning, Jr. 2012. Improving selection of indicator species when detection is imperfect. *Ecological Indicators* 15:188-197.
136. **Dalgleish, H. J., and R. K. Swihart. 2012. American chestnut past and future: implications for resource pulses and consumer populations of eastern U.S. forests. *Restoration Ecology* 20:490-497.
135. *Govindan, B. N., M. Kéry, and R. K. Swihart. 2012. Host selection and responses to forest fragmentation in acorn weevils: Inferences from hierarchical dynamic occupancy models. *Oikos* 121:623-633.
134. [ς]Bartlow, A. W., M. Kachmar, N. Lichti*, R. K. Swihart, J. A. Stratford, and M. A. Steele. 2011. Does multiple seed loading in Blue Jays result in selective dispersal of smaller acorns? *Integrative Zoology* 6:235-245.
133. Piao, Z., L. Tang, R. K. Swihart, and S. Wang. 2011. Human-wildlife competition for Korean pine seeds: Vertebrate responses and long-term implications for mixed forests on Changbai Mountain, China. *Annals of Forest Science* 68:911-919 (special issue) DOI 10.007/s13595-011-0097-8.
132. Steele, M.A., M. Bugdal[ς], A. Yuan, A. Bartlow[ς], J. Buzalewski[ς], N. I. Lichti*, and R. K. Swihart. 2011. Cache placement, pilfering, and a recovery advantage in a seed-dispersing rodent: Could predation of scatter hoarders contribute to seedling establishment? *Acta Oecologica* 37:554-560.
131. **Dalgleish, H.J., D.F. Jacobs, E. Gustafson, D. Kashian, B.R. Sturtevant, H. Zhang, *N.I. Lichti, A.M. de Bruijn, M. Steele, P. Townsend, R.K. Swihart. 2011. Forecasting carbon storage of eastern forests: Can American chestnut restoration improve storage potential in an uncertain future? In Proceedings of the China-US 2011 Joint Symposium "Global Sustainability Issues in Energy, Climate, Water and Environment." Purdue University, West Lafayette, IN.
130. Britzke, E.R., J.E. Duchamp*, K.L. Murray, R.K. Swihart, and L.W. Robbins. 2011. Acoustic identification of bats in the eastern United States: A comparison of parametric and nonparametric methods. *Journal of Wildlife Management* 75:660-667.
129. *Lichti, N.I., and R.K. Swihart. 2011. Estimating utilization distributions with kernel versus local convex hull methods. *Journal of Wildlife Management* 75:413-422.
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Learning and Extension Publications/Products

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11. MacGowan, B.J., C.F. Owings, and R.K. Swihart. 2017. Hardwood Ecosystem Experiment – sustaining our oak-hickory forests. Purdue University Cooperative Extension Service Publication FNR-542-WV (video), https://heeforeststudy.org/videos/
10. **Kellner, K.F., *P.J. Ruhl, J.B. Dunning, Jr., and R.K. Swihart. 2017. Managing forests for birds in Indiana. *Indiana Woodland Steward* 25(3):7-8. Available online at: http://www.inwoodlands.org/managing-forests-for-birds/
9. *Crystal, P., B.C. Pijanowski, R. Gazo, and R.K. Swihart. 2013. Fundamentals of successful mentoring in natural resources. *Compass* magazine, spring issue, pages 24-29.
8. Dunning, J. B., Jr., A. DeWoody, B. Pijanowski, M. Sepulveda, R. K. Swihart, H. Weeks, R. Williams, and P. Zollner. 2010. Improving wildlife education: Fourteen years of change at Purdue University. The Wildlife Professional 4(2) online. http://joomla.wildlife.org/index.php?option=com_content&task=view&id=690&Itemid=175
7. Swihart, R. K. (editor). 2001. *Journal of Vertebrate Population Dynamics*. Volume 4. 75pp.
6. Swihart, R. K., and M. S. Miller. 2001. A primer of vertebrate population dynamics, 2nd edition. Purdue University Printing Services, 264pp.
5. Swihart, R. K. (editor). 2000. *Journal of Vertebrate Population Dynamics*. Volume 3. 61pp.
4. Swihart, R. K. (editor). 1999. *Journal of Vertebrate Population Dynamics*. Volume 2. 81pp
3. Swihart, R. K., and T. M. Gehring**. 1999. A primer of vertebrate population dynamics, 1st edition. Purdue University Printing Services, 257pp.
2. Swihart, R. K. 1998. Forest wildlife in farmland: responses to fragmentation. *Indiana Woodland Steward* 8.
1. Swihart, R. K. (editor). 1998. *Journal of Vertebrate Population Dynamics*. Volume 1. 72pp.

Teaching and Advising

I have served, or am serving, as major or co-advisor for 12 M.S. and 19 Ph.D. students, and for 12 postdoctoral research associates (following table). In addition, I have been on advisory committees for >35 other graduate students.

Table. Graduate students and postdoctoral research associates for whom I have served as advisor.

Student	Degree	Professional Status	Research Focus
Zack Delisle	*Ph.D.*	*Current*	*Deer population estimation and modeling*

Alison Ochs (co-advised with Mike Saunders)	*Ph.D.*	*Current*	*Salamander responses to forest management*
Landon Jones (co-advised with Pat Zollner)	*Postdoc*	*Current Bobcat home range and habitat use*	*Spatial ecology, animal movement*
Abby-Gayle Prieur	M.S.	Ohio DNR	Vole responses to cover crops
Megan Zagorski	M.S.	U.S. Fish and Wildlife Service	Avian responses to cover crops
Skye Greenler (co-advised with Mike Saunders)	M.S.	Ph.D. Student Oregon State University	Oak seedling regeneration: interactions of silviculture and rodents
Dana Nelson	M.S.	Non-game biologist, Wyoming Game and Fish	Demographic responses of small mammals to forest management
Rita Belair née Blythe	M.S.	EPSCoR Program Support Assistant, University of New Hampshire	Restoration and conservation ecology
Ken Kellner	M.S.	Research Scientist SUNY-ESF	Quantitative wildlife ecology
Natasha Brown née Urban	M.S.	Scientist Environmental Solutions and Innovations, Inc. (ESI)	Wildlife management and conservation
Julie Crick	M.S.	Transferred (Prokopy lab) Extension Specialist, Michigan State University	Human dimensions
Jacob Goheen	M.S.	Associate Professor, University of Wyoming	Mammalian community ecology
Mary Beth Kolozsvary	M.S.	Associate Professor, Siena College	Amphibian conservation biology
B. Forrest Sheperd	M.S.	ServPro Restoration Services	Landscape ecology
Melody Hartman (co-advisor)	M.S.	Former Waterfowl biologist, Indiana DNR Currently full-time mom	Wetlands ecology
Di Zeng (co-advised with Ping Ding)	Ph.D.	Postdoctoral Fellow Zhejiang University	Fragmentation effects on seed dispersal effectiveness
Jacob Berl	Ph.D.	Idaho Fish and Game	Small mammal responses to agricultural matrix

Ken Kellner	Ph.D., Postdoc	Wildlife Conservation Scientist SUNY-ESF	Quantitative ecology; Trophic interactions and oak demography
Mekala Sundaram	Ph.D.	Postdoctoral associate, Stanford University	Trophic interactions: context and foraging behavior
Byju Govindan	Ph.D.	Postdoctoral associate, University of Minnesota	Metapopulation ecology
Nathanael Lichti	Ph.D., Postdoc	Continuing Lecturer Department of Statistics Purdue University	Statistical ecology; context-dependent scatterhoarding: implications for seed fate
Carol Rizkalla	Ph.D.	Critical Wildlife Area Coordinator, Florida Fish & Wildlife Conservation Commission	Landscape ecology, Conservation biology
Joe Duchamp	Ph.D.	Associate Professor, Indiana University-PA	Mammalian ecology
Jeff Moore	Ph.D.	Program Leader, NOAA SW Fisheries Science Center	Quantitative ecology, marine conservation
Robin Russell	Ph.D.	Research Statistician, USGS National Wildlife Health Center	Behavioral ecology, modeling, wildlife disease
Mike Miller	NA	Private Consultant	Landscape ecology/geostatistics
Shannon Knapp (co-advisor with O.E. Rhodes)	Ph.D.	Transferred to Statistics Senior Statistician University of Arizona	Quantitative genetics, biostatistics
Kristen Page (co-advised with Kevin Kazacos)	Ph.D.	Ruth Kraft Strohschein Distinguished Professor, Wheaton College	Ecology of wildlife diseases
Tom Nupp	Ph.D.	Professor, Arkansas Tech University	Wildlife ecology and management
Tony DeNicola	Ph.D.	President, White Buffalo, Inc.	Ecosystem management via wildlife population control
Tom Gehring	Ph.D., Postdoc	Professor, Central Michigan University	Wildlife ecology, conservation biology of carnivores
Zach Feiner (co-advised with Tomas Höök)	Postdoc	Research Scientist Wisconsin DNR	Quantitative fisheries ecology – phenotypic complexity in aquatic systems
Tim Smyser	Postdoc	Biologist, USDA National Wildlife Research Center	Wildlife genetics
Harmony Dalgleish	Postdoc	Assistant Professor, William & Mary College	Tree demography; trophic effects of resource pulses
Ben Dolan	Postdoc	Associate Professor University of Findlay	Forest ecology

Yssa DeWoody	Postdoc	Director, Ring 14 Foundation	Mathematical ecology
Andrei Kirilenko	Postdoc	Associate Professor University of Florida	Land-use and climate change modeling
Jeff Lusk	Postdoc	Upland Game Program Manager, Nebraska Game & Parks Commission	Species-environment modeling
Weidong Gu	Postdoc	Epidemiologist R&D Directorate Defense Health Agency	Metapopulation ecology Clinical epidemiology

Student Awards (partial list)

2017 Jacob Berl The Teaching Academy Graduate Teaching Award, FNR
2015 Ken Kellner The Teaching Academy Graduate Teaching Award, FNR
2005 Jeff Moore The Teaching Academy Graduate Teaching Award, FNR

Courses Taught

Currently I teach an undergraduate course in statistics for natural resources and a graduate course in quantitative methods for ecologists. Other recent courses include a course on spatial capture-recapture analysis, team teaching an award-winning learning community, The Nature of Wild Things, a freshman orientation course in natural resources, graduate seminars on wildlife responses to agriculture and methods for analyzing resource selection. In the past I have taught wildlife ecology, vertebrate population dynamics, mammalogy, seminar courses in conservation biology, advanced topics in mammalian ecology, and an intensive, week-long course in the upper peninsula of Michigan on techniques associated with studying mammals as part of natural resources practicum. I also have advised >20 undergraduate students on independent and honors research.

Grants and Awards (Only grants ≥$50,000 are shown)

2020-24 Indiana Division of Fish and Wildlife, "An integrated economic assessment of outdoor activities related to deer and furbearers in Indiana", $496,970 (coPI; PIs: C. Reeling, M. Zhou)
2020-22 Indiana Division of Fish and Wildlife, "Modification to Integrated deer management in Indiana: An adaptive research framework", $470,998 (co-PI: J.A. DeWoody)
2020 Indiana Division of Fish and Wildlife, "Amendment to Assessing aspects of bobcat spatial and population ecology in Indiana", $36,761 (co-PI with P.A. Zollner)
2018-20 Indiana Division of Forestry, "Hardwood ecosystem experiment", $629,790 (co-PI with M.R. Saunders)
2018-19 Indiana Division of Fish and Wildlife, "Assessing aspects of bobcat spatial and population ecology in Indiana", $83,875 (co-PI with P.A. Zollner)
2018-22 Indiana Division of Fish and Wildlife, "Integrated deer management in Indiana: An adaptive research framework", $1,269,380 (co-PIs: J. Brooke, J.A. DeWoody, B. Dillman, E.A. Flaherty, E. Jackson, M. Jenkins, Z. Ma)
2017-22 USDA Natural Resources Conservation Service, "Vole damage to cover-cropped soybeans and Midwest Cover Crops Council (MCCC)", $100,000 (co-PI: Eileen Kladivko)
2016-18 Indiana Division of Forestry, "Hardwood ecosystem experiment", $613,000 (co-PI with M.R. Saunders)
2014-16 Indiana Division of Forestry, "Hardwood ecosystem experiment", $580,880 (co-PI with M.R. Saunders)

2012-14 Indiana Division of Fish and Wildlife, "Managing genetic isolation due to habitat fragmentation: A model-based tool for using assisted migration as an aid to recovery of Allegheny woodrats", $121,264 (co-PI with T. Smyser)

2012-14 Indiana Division of Forestry, "Hardwood ecosystem experiment", $516,000 (co-PI with M.R. Saunders)

2011-13 Indiana Division of Fish and Wildlife, "Role of wild mammals, especially woodrats, and birds in seed survival: implications for oak regeneration and chestnut restoration", $161,593

2010-12 Indiana Division of Fish and Wildlife, "Allegheny woodrat captive propagation project", $218,760 (co-PI with T. Smyser)

2010-12 Indiana Division of Forestry, "Hardwood ecosystem experiment", $516,000 (co-PI with M.R. Saunders)

2009 Indiana Division of Forestry, "Timber stand improvement and deer exclosure study", $60,000 (co-PI with M.R. Saunders)

2007-10 National Science Foundation, "Effects of landscape structure on animal-mediated acorn dispersal and seedling recruitment in the Central Hardwoods", $473,000 (co-PI with N.I. Lichti, M. Steele)

2006-10 Indiana Division of Forestry, "Hardwood ecosystem experiment", $714,000

2004-06 U.S. Environmental Protection Agency, "Ecological impacts of remediation at the Grand Calumet River: a preliminary assessment of reproductive success in Great Blue Herons", $96,959 (co-PI with M. Sepúlveda)

2003-06 James S. McDonnell Foundation 21st Century Initiative, "An integrated, hierarchical framework for modeling biocomplexity", $449,508 (co-PI with Z. Feng, Y. DeWoody)

2003-06 U.S. Department of Education Graduate Assistance in Areas of National Needs Program, "Fellowship program in multidisciplinary ecology", $625,254

2002-06 Indiana Department of Natural Resources, "Assessment of crop depredation habitat use by wild turkey, white-tailed deer, and raccoon in the upper Wabash River basin", $269,470 (co-PI with O.E. Rhodes, Jr., B. MacGowan)

2002-05 Indiana Chapter, National Wild Turkey Federation, "Assessment of crop depredation and habitat use by wild turkey, deer, and raccoon in the upper Wabash River basin", $66,000 (co-PI with O.E. Rhodes, Jr., B. MacGowan)

2003-05 National Wild Turkey Federation, "Assessment of crop depredation and habitat use by wild turkey, deer, and raccoon in the upper Wabash River basin", $95,200 (co-PI with O.E. Rhodes, Jr., B. MacGowan)

2001-02 NSF Biocomplexity Program, "Predicting the dynamics of human-dominated landscapes: metapopulation models for ecosystems with sharp edges", $50,006

2000-04 USDA IFAFS, "Sustaining natural resources on private lands in the Central Hardwood Region", $4,140,215 (Consortium with University of Missouri and University of Tennessee; PI for Purdue, amount to Purdue = $1,244,740)

2000-03 John S. Wright Fund, Purdue University, "Effects of land-use decisions on natural resources in the Upper Wabash", $1,206,220

1997-00 USDA Higher Education Challenge Grant Program, "A blueprint for educating tomorrow's leaders in natural resources", $80,000 (co-PI with O. E. Rhodes, Jr., S. K. Abell, W. H. Hoover)

1996-98 USDA NRICGP, "Transmission ecology of *Baylisascaris procyonis* in vertebrate communities", $157,104

1995-99 Sporting Goods Properties, "Testing adjuvants and the effects of long-term contraception on an enclosed white-tailed deer herd", $248,888

1995-97 Martin Foundation, "Impact of white-tailed deer on forest ecosystems: a landscape perspective", $50,000 (co-PI with G. R. Parker, A. Easter-Pilcher, H. P. Weeks, Jr.)

1994-96 McIntire-Stennis Cooperative Forestry Research Funds, CSRS, “Interactions of deer, vegetation, and landscapes surrounding forest preserves”, $50,000 (co-PI with G. R. Parker, H. P. Weeks, Jr., J. T. O’Leary, P. Coppin)
1993-96 USDA NRICGP, "Effects of forest fragmentation on mammals in agricultural landscape", $120,000
1993-96 Northern Indiana Public Service Company, "Testing chemical contraceptives on an enclosed deer herd", $51,491
1992-94 Remington Arms Company, "Chemical contraception of female white-tailed deer", $70,175

Administrative Experience

Jul 2004-Aug 2016 Head, Department of Forestry and Natural Resources
Reported to the Dean of the College of Agriculture and was responsible for leadership and oversight of 30 faculty, 40 administrative and professional staff, 5 clerical staff, 255 undergraduate students, and 85 graduate students. Additional responsibilities included garnering financial and physical resources to support departmental programs, managing a $10.5 million budget, and serving as an advocate and departmental representative within Purdue and with clientele outside of Purdue.

Feb-June 2005 Codirector, Initiative for a Discovery Park Center for the Environment
The codirectors (with B. Engel) were responsible for assembling and leading a team for purposes of submitting a proposal in response to a $10 million dollar competition for establishment of new centers in Purdue’s Discovery Park.

2000-2005 Project manager, Upper Wabash Ecosystem Project (UWEP)
Responsible for directing a $5.35 million research initiative focusing on the upper Wabash River basin, with oversight responsibilities for 8 faculty in 3 departments at Purdue University, 12 graduate students, 3 postdoctoral associates, 4 technicians, and nearly 40 undergraduate workers. Participants characterized natural resources and human attitudes on land use and natural resources. Sampling and analysis were coordinated with partners in a regional consortium project including University of Missouri and University of Tennessee to assist owners of nonindustrial private forest and other wildlands in initiating management practices that satisfy personal goals, are acceptable to society and are consistent with sustainable resource management. Computer-based decision support systems were developed at multiple spatial scales as information aids for landowners and other stakeholders.

2001-2002 Manager, National Science Foundation Biocomplexity Project
Principal Investigator on NSF-funded grant to integrate modeling efforts among ecologists, mathematicians, statisticians, economists, and social scientists, thereby providing a framework for model-based planning aimed at conserving biodiversity. Twenty investigators from the United States and Europe were involved in the collaboration and resulting monograph (Swihart, R. K. and J. E. Moore. 2004. Conserving biodiversity in agricultural landscapes: model-based planning tools. Purdue University Press, 336 pages).

Professional Development

- Purdue Safe Zone ally training (2014)
- LEAD21 Mentor (2013-14)
- Natural Resources Leadership Development Institute (2004)
- Workshop on multicultural diversity in the workplace, Indianapolis, Indiana (2002)
- North Central Area 23 Retreat for administrative leaders of fish and wildlife programs, Kemp Station, Wisconsin (2004)
- Natural Resources Leadership Development Institute, Turkey Run and Spring Mill State Parks, Indiana (2004)

- Workshop on gender diversity in the workplace, Brookston, Indiana (2005)

Service to Profession

- Chair, Cameron Awards Committee, American Society of Mammalogists (2019-present)
- Member, Grants-in-Aid Committee, American Society of Mammalogists (2018-present)
- Member of the Small Mammal Technical Working Group for the National Ecological Observatory Network (NEON) charged with assisting in the design of standardized sampling for small mammal abundance and diversity at 60 sites in the U.S. over the next 30+ years (2013-2017)
- Board Member, Akaka Foundation (2014-2016)
- Reviewer, Science, Education and Outreach Roadmap for Natural Resources, Association of Public and Land-grant Universities, Board of Natural Resources (2013)
- National Association of University Fisheries and Wildlife Programs (NAUFWP) Executive Committee, Research Chair (2012-2017)
- NAUFWP representative (2009-2017)
- National Association of University Forest Resources Programs (NAUFRP) Executive Committee, At-Large Representative (2010-2016)
- NAUFRP North Central Regional Chair (2009-10)
- NAUFRP Executive Committee, North Central Representative (2009-10)
- Editorial Board for *BMC Ecology* (2005-present)
- Indiana Forest Stewardship Committee (2004-2016)
- Indiana Department of Agriculture Hardwoods Task Force (2005-2008)
- van Eck Forest Foundation for Purdue University Board of Trustees (2004-2016)
- National Cooperators' Coalition Executive Committee (2004-10)
- Guest Editor, *Diversity and Distributions* Special Feature on Scale and Biodiversity (2005-06)
- White Buffalo, Incorporated, Board of Trustees (2003-present)
- Charter Member, Purdue Interdisciplinary Center for Ecological Sustainability (2003-2010)
- Member, Indiana Department of Natural Resources Technical Advisory Committee – Mammals (1998-present)
- Member, Education and Graduate Students Committee, American Society of Mammalogists (1992-2009)
- Member, Student Honoraria Committee, American Society of Mammalogists (1992-2004)
- Organizer, Breakfast with a Scientist Program, American Society of Mammalogists (2002-2004)
- Member, Student Mentoring Program, American Society of Mammalogists (1997-2009)
- Associate editor, *Wildlife Society Bulletin* (1990-93), edit and determine acceptability of 30-40 papers/year
- Member, Research Award Committee, Berryman Institute of Wildlife Damage Management (1994-2000)
- Member, Public Education Committee, American Society of Mammalogists (1992-95)
- Moderator, Technical Paper Sessions, American Society of Mammalogists Annual Meeting (4 years)
- Moderator, Wildlife Management and Science Session, 9th Central Hardwood Forest Conference (1993)
- Member, Plenary Session Subcommittee, Midwest Fish and Wildlife Conference (1993-94)
- Speaker, Field Workshop on Agro-forestry, Society of American Foresters (1993)
- Chair, Technical Session on Mammalian Ecology, Midwest Fish and Wildlife Conference (1994)

<u>Academic or Administrative Program Review for:</u>
University of Maine
Iowa State University (chair)
University of Tennessee
Texas A&M University

Reviewer for 39 Journals, 4 Proceedings, 10 Funding Agencies, 3 Publishers:

Journals: *Acta Theriologica, American Midland Naturalist, American Naturalist, Animal Behaviour, BMC Ecology, Biodiversity and Conservation, Canadian Journal of Forest Research, Conservation Biology, Diversity and Distributions, Ecography, Ecology, Ecology and Evolution, Ecological Applications, Ecological Indicators, Environmental Conservation, Environmental Management, Forest Ecology and Management, Human-Wildlife Interactions, Institute for Laboratory Animal Research Journal, Journal of Animal Ecology, Journal of Applied Ecology, Journal of Chemical Ecology, Journal of Ecology, Journal of Mammalogy, Journal of Wildlife Management, Journal of Wildlife Rehabilitation, Mammalia, Mammalian Biology, Natural Resource Modeling, Natural Sciences Education, Northern Journal of Applied Forestry, Oikos, PLoS ONE, Polish Ecological Studies, Prairie Naturalist, Science, Southwestern Naturalist, Western North American Naturalist, Wildlife Society Bulletin*

Proceedings: *Indiana Academy of Science, Southeast Association of Fish and Wildlife Agencies, Fifth International Theriological Congress, Ninth Central Hardwood Forest Conference*

Funding Agencies: Israel Science Foundation, Manomet Center for Conservation Sciences, National Fish and Wildlife Foundation, National Geographic Society, National Science Foundation, U.S.D.A. AFRI/NIFA/NRI, U.S. Fish and Wildlife Service, U.S. Civilian Research and Development Foundation for the Independent States of the Former Soviet Union, Vancouver Island Marmot Recovery Program

Publishers: Ann Arbor Press, CRC Press, Prentice-Hall

Service to Purdue University

University and College

- Chair, Administrative Review Committee for Senior Associate Dean for Research and Faculty Affairs (2015)
- Provost's Research Faculty Policy Working Group (2014)
- Chair, Administrative Review Committee, Senior Associate Dean of Research (2015)
- Chair, Department Head Search Committee, Horticulture and Landscape Architecture (2013-2014)
- Member, ADVANCE-Purdue Advocates and Allies (2013-present)
- College of Agriculture Front Doors Advisory Committee (2009-11)
- College of Agriculture Strategic Plan Steering Committee (2008-09)
- Technical Representative for Purdue University, Great Lakes-Northern Forest Cooperative Ecosystem Studies Unit (2007-2016)
- HTIRC Advisory Committee Chair (2007-2016)
- Strategic Governance Committee, College of Ag (2010-2012)
- Steering Committee, College Strategic Plan (2008-2009)
- Mission-Oriented grants panel (2007-2012)
- Internal Advisory Council, Discovery Park Center for the Environment (2006-2011)
- Illinois-Indiana SeaGrant College Advisory Committee (2005-2016)
- Senior Chair, College of Agriculture United Way Campaign (2006)
- Junior Chair, College of Agriculture United Way Campaign (2005)
- Agricultural Research Award Selection Committee (2005-2006)
- Graduate Curriculum Committee, Area Representative (2002-2004)
- Graduate Council in Agriculture (2002-2004)
- Purdue Animal Care and Use Committee (1999-2002)
- Area Promotions Committee (1999-2002, 2004-2016)
- Dean's Roadmapping Committee, School of Agriculture (2001)
- Interdisciplinary Roadmapping Committee, School of Agriculture (co-chair; 2001)

- Library Committee, School of Agriculture (1991-1992)
- Grantsmanship Committee, School of Agriculture (1994-1995)
- Ad hoc Steering Committee for Interdisciplinary Research, FNR (1999-2000)
- Faculty liaison to University Committee for the Education of Teaching Assistants (1994-95, 1997)
- Junior Chair, College of Agriculture, United Way Campaign (2005)
- Senior Chair, College of Agriculture, United Way Campaign (2006)

Department of Forestry and Natural Resources

- Budget and Steering Committee (1992-2016, chair 2004-2016)
- Primary Promotions Committee (1998-present, chair 2004-2016)
- Graduate Committee (1992-2004 and 2016-present; chair 1999-2004)
- Computer Committee (1992-93)
- Equipment Committee (1993-2001 and 2016-present; chair 1996-99)
- Ad hoc Animal Care Facility Committee (1991-94)
- Website Committee (2000-2001)
- Wildlife Ecologist Search Committee (1992-94)
- Wetlands Ecologist Search Committee (chair; 1994-95)
- Fisheries Biologist Search Committee (1997)
- Faculty Project Manager, Upper Wabash Ecosystem Project (2000-2004)
- Human Dimensions Search Committee (2000-01)
- Natural Resource Planner Search Committee (2003)
- Visiting Scientist Committee(1994-98)
- Distinguished Alumni Committee (1995)
- Committee on Procedures for Faculty Evaluation (1995)
- Administrator of Office of Student Services Search Committee (1995)
- Spring Awards Banquet Committee (1996)
- Speaker Committee for FNR 679 (1997-98)