

CURRICULUM VITAE

for the
Texas Invasive Species Institute's Professional Experts Listing
Spring 2015

WILLIAM I. LUTTERSCHMIDT

Sam Houston State University
Department of Biological Sciences
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EDUCATION

DeSales University, Center Valley, Pennsylvania (Advisor: Howard K. Reinert)
B.S., May 1988 (Biology with Minor in Secondary Education)
Pennsylvania State Teacher's Certification in Biology - May 1988

Undergraduate Thesis:

The effect of ingested transmitters upon the temperature preference of the water snake, *Nerodia s. sipedon*. Pp. 20.

Southeastern Louisiana University, Hammond, Louisiana (Advisor: Richard A. Seigel)
M.S., May 1992 (Biological Sciences)

Thesis:

The thermal preferenda of the timber rattlesnake, *Crotalus horridus*, with a discussion of thermoregulatory constraints within preferred microhabitats. Pp. 100.

University of Oklahoma, Norman, Oklahoma (Advisor: Victor H. Hutchison)
Ph.D., November 1997 (Zoology)

Dissertation:

Comparative physiology and macroecology of thermal tolerance in ectothermic vertebrates with correlates of phylogeny and biogeography. Pp. 133.

RESEARCH INTERESTS

Physiological Ecology and Comparative Physiology
Physiological Plasticity of Temperature Dependent Metabolic and Energetic Rate Processes
Evolutionary Ecology and Comparative Phylogenetic Methods
Statistical and Mathematical Applications in Physiological Ecology and Biophysical Modeling
Behavioral Endocrinology
Herpetology

PROFESSIONAL EXPERIENCE and APPOINTMENTS

Post-Doctoral Position:

Melatonin Research and Physiological Ecology Laboratory, Department of Zoology,
University of Oklahoma, Norman, Oklahoma. Laboratory Manager and Project Coordinator
(Spring and Summer 1998)

Professorships:

Sam Houston State University, Department of Biological Sciences, Huntsville, Texas.

Assistant Professor of Biological Sciences: Fall 1998 to Spring 2004.

Associate Professor of Biological Sciences: Fall 2004 to Spring 2010.

Full Professor of Biological Sciences: Fall 2010.

University of Oklahoma Biological Station, Lake Texoma, Oklahoma
Summer Graduate Faculty. Summer 1999, 2000, 2002, 2004, 2006.

University of Oklahoma, Department of Zoology, Norman, Oklahoma
Special Adjunct Doctoral Faculty. Fall 2000 - Spring 2007

Administrative and Professional Positions:

Director. The Texas Research Institute for Environmental Studies. Fall 2007 - Current.

Director. Sam Houston State Vertebrate Museum, the Natural History Education Program, and Edward O. Wiley Lecture Series. Summer 2000 - Current.

Curator. Herpetology - Sam Houston State Vertebrate Museum. Summer 2000 - Current.

Associate Editorships.

The Southwestern Naturalist. Summer 2004 - Spring 2009.

Herpetologica. Fall 2007 - Spring 2012.

CURRENT PROFESSIONAL AND HONORARY AFFILIATIONS

American Association of University Professors
Association of Southeastern Biologists (2002 - 2010)
American Society of Ichthyologists and Herpetologists
Herpetologists' League
Sigma Xi (Full Member)
Society for the Study of Amphibians and Reptiles
Society for Integrative and Comparative Biology (Division of Comparative Physiology & Biochemistry)
Southwestern Association of Naturalists (1992 - 2011)
Texas Association of College Teachers (1999 - 2005)
Texas Academy of Sciences

PROFESSIONAL SERVICE and ACTIVITIES

Associate Editorships:

The Southwestern Naturalist. Summer 2004 - Spring 2009.

Herpetologica. Fall 2007 - 2011.

Peer Reviewer for: American Naturalist, Ecology, Nature, Canadian J. of Zoology, Comparative Biochemistry and Physiology, Copeia, Ethology, Herpetological Journal, Herpetological Review, J. Herpetology, J. Pennsylvania Academy of Sciences, J. Thermal Biology, Marine Biology, Southwestern Association of Naturalists, and others.

Professional Society Service:

Southwestern Association of Naturalists (SWAN)

Board of Governors, Class of 2008.

Clark Hubbs Student Poster Awards Committee. 2008 - 2009.

Howard McCarley Student Research Awards Committee. 2010 - 2011

Robert L. Packard Outstanding Educator Awards Committee. 2010 - 2011

W. Frank Blair Eminent Naturalist Awards Committee. 2010 -2011.

Society for the Study of Amphibians and Reptiles (SSAR)

Kennedy Award Committee. 2005 - 2014. Award presented annually by the for the most significant student paper published in the Journal of Herpetology during the preceding year.

Herpetologists' League (HL)

Ernest E. Williams Research Grant Committee for Physiology. 2010-2014.

American Society of Ichthyologists and Herpetologists (ASIH)

Nominated for Board of Governors. Spring 2010.

PUBLICATIONS

Peer-Reviewed Books and Book Chapters

- Lutterschmidt, W.I.** and D.I. Lutterschmidt. 2008. Laboratory Exercises in Human Physiology: A Clinical and Experimental Approach. McGraw-Hill. Pp. 224.
- Lutterschmidt, W.I.** and D.I. Lutterschmidt. 2009. Laboratory Exercises in Human Physiology: A Clinical and Experimental Approach, 2nd Edition. McGraw-Hill. Pp. 224.
- Beitinger, T.L. and **W.I. Lutterschmidt**. 2011. Measures of Thermal Tolerance. Vol. 3, Pp. 1695 - 1702. In: *Encyclopedia of Fish Physiology: From Genome to Environment*. A.P. Farrell (Editor). Academic Press. San Diego. 2272 Pp.
- Lutterschmidt, W.I.** 2013. Reptiles in Research: Investigations of Ecology, Physiology, and Behavior from Desert to Sea. Nova Scientific Publishers. New York. 526 Pp.
- Lutterschmidt, W.I.** 2013. Crossing higher ground: terrestrial activity and seasonal timing of reproduction in the fully aquatic mud snake. Pp. 335 - 350. In: *Reptiles in Research: Investigations of Ecology, Physiology, and Behavior from Desert to Sea*. W.I. Lutterschmidt (Editor). Nova Scientific Publishers. New York. 526 Pp.

Peer-Reviewed Research Articles

- Lutterschmidt, W.I.** and H.K. Reinert. 1990. The effect of ingested transmitters upon the temperature preference of the water snake, *Nerodia s. sipedon*. *Herpetologica* 46(1):39-42.
- Lutterschmidt, W.I.** 1991. An improved laboratory apparatus for examining thermal preferences of reptiles. *Herpetological Review* 22(3):92-94.
- Lutterschmidt, W.I.** 1992. *Crotalus horridus*, (Canebrake Rattlesnake): Geographic distribution. *Herpetological Review* 23(1):26.
- Lutterschmidt, W.I.** and L.A. Rayburn. 1993. Observations of feeding behavior in *Thamnophis* after surgical procedures. *Journal of Herpetology* 27(1):95-96.
- McGuckin, A.W., C.S. Rosenberry, and **W.I. Lutterschmidt**. 1993. Some observations of fall locality and movement of largemouth bass, *Micropterus salmoides*, in a Mesotrophic reservoir, Lake Raystown. *Journal of the Pennsylvania Academy of Sciences* 67(1):10-12.
- Lutterschmidt, W.I.** 1994. The effect of surgically implanted transmitters upon the locomotory performance of the checkered garter snake, *Thamnophis m. marcianus*. *Herpetological Journal* 4(1):11-14.
- Lutterschmidt, W.I.**, G.A. Marvin, and V.H. Hutchison. 1994. Alarm response by a plethodontid salamander (*Desmognathus ochrophaeus*): conspecific and heterospecific "Schreckstoff." *Journal of Chemical Ecology* 20(11):2471-2479.
- Lutterschmidt, W.I.**, J.J. Lutterschmidt, and H.K. Reinert. 1996. An improved and inexpensive timing device for monitoring pulse frequency of temperature sensing transmitters in free-ranging animals. *American Midland Naturalist* 136(1):172-180.
- Lutterschmidt, W.I.**, G.A. Marvin, and V.H. Hutchison. 1996. *Rana catesbeiana* (Bullfrog): Record body size. *Herpetological Review* 27(2):74-75.
- Lutterschmidt, W.I.**, R.L. Nydam, and H.W. Greene. 1996. County record for the woodland vole, *Microtus pinetorum* (Rodentia: Muridae), LeFlore County, Oklahoma with natural history notes on a snake predator. *Proceedings of the Oklahoma Academy of Sciences* 76:93-94.

- Lutterschmidt, W.I.** and J. F. Schaefer. 1996. Mist netting snakes: a technique borrowed from ornithology for sampling semi-aquatic snake populations. *Herpetological Review* 27(3):131-132.
- Lutterschmidt, W.I.** and C.M. Taylor. 1996. The herpetofauna and ichthyofauna of the Cucumber Creek Watershed, LeFlore County, Oklahoma. *Proceedings of the Oklahoma Academy of Sciences* 76:43-47.
- Durtsche, R.D., P.J. Gier, M.M. Fuller, **W.I. Lutterschmidt**, R. Bradley, C.K. Meier, and S.C. Hardy. 1997. Ontogenetic variation in the autecology of the greater earless lizard, *Cophosaurus texanus*. *Ecography* 20(4):336-346.
- Lutterschmidt, W.I.** and J.F. Schaefer. 1997. A simple computer simulation for demonstrating and modeling predator-prey oscillations. *Journal of Biological Education* 31(3):221-227.
- Lutterschmidt, W.I.** and V.H. Hutchison. 1997. The critical thermal maximum: data to support the onset of spasms as the definitive end point. *Canadian Journal of Zoology* 75(10):1553-1560.
- Lutterschmidt, W.I.** and V.H. Hutchison. 1997. The critical thermal maximum: history and critique. *Canadian Journal of Zoology* 75(10):1561-1574.
- Marvin, G.A. and **W.I. Lutterschmidt**. 1997. Locomotor performance in juvenile and adult box turtles (*Terrapene carolina*): A reanalysis for effects of body size and extrinsic loading using a terrestrial species. *Journal of Herpetology* 31(4):582-586.
- Lutterschmidt, D.I., **W.I. Lutterschmidt**, and V.H. Hutchison. 1997. Melatonin and chlorpromazine: thermal selection and metabolic rate in the bullsnake, *Pituophis melanoleucus*. *Comparative Biochemistry and Physiology* 118C(3):271-277.
- Lutterschmidt, W.I.**, D.I. Lutterschmidt, C.R. Tracy, and V.H. Hutchison. 1998. Time course analyses of the thermoregulatory responses to melatonin and chlorpromazine in bull snakes (*Pituophis melanoleucus*). *Journal of Thermal Biology* 23(6):319-327.
- Lutterschmidt, W.I.** and M.L. Thies. 1999. *Syrrophus cystignathoides* (Rio Grande Chirping Frog). *Herpetological Review* 30(1):51.
- Lutterschmidt, W.I.**, J.G. Hilliard, and T.R. Lange. 1999. *Eurycea tynerensis* (Oklahoma Salamander). *Herpetological Review* 30(4):230.
- Schaefer, J.F., **W.I. Lutterschmidt**, and L.G. Hill. 1999. Physiological performance and stream microhabitat use by two Centrarchids (*Lepomis megalotis* and *Lepomis macrochirus*). *Environmental Biology of Fishes* 54:303-312.
- Dent, L. and **W.I. Lutterschmidt**. 2001. The ichthyofauna of Harmon and Wynne Creeks sampled within the Center for Biological Field Studies, Walker County, Texas. *Texas Journal of Science* 53(2):139-146.
- Lienesch, P.W., **W.I. Lutterschmidt**, and J.F. Schaefer. 2000. Long-term changes in the fish assemblage of a small stream isolated by a reservoir. *Southwestern Naturalist* 45(3):274-288.
- Lutterschmidt, W.I.** 2001. *Eurycea tynerensis* (Oklahoma Salamander) A Correction. *Herpetological Review* 32(2):111.
- Lutterschmidt, D.I. and **W.I. Lutterschmidt**. 2002. Modifications for the successful use of thermocouples in studies of thermoregulation. *Herpetological Review* 33(2):110-112.
- Roth, E.D., W.D.W. Ginn, L.J. Vitt, and **W.I. Lutterschmidt**. 2003. *Agkistrodon piscivorus leucostoma* (Western Cottonmouth) Diet. *Herpetological Review* 34(1):60.
- Lutterschmidt, D.I., **W.I. Lutterschmidt**, N.B. Ford, and V.H. Hutchison. 2002. Behavioral thermoregulation and the role of melatonin in a nocturnal snake. *Hormones and Behavior* 41(1):41-50.
- Sanford, G.M., **W.I. Lutterschmidt**, and V.H. Hutchison. 2002. The comparative method revisited. *BioScience* 52(9):830-836.
- Sartorius, S.S., J.P.S. do Amaral, R.D. Durtsche, C.M. Deen, and **W.I. Lutterschmidt**. 2002. Thermoregulatory accuracy, precision, and effectiveness in two sand-dwelling lizards under mild environmental conditions. *Canadian Journal of Zoology* 80(11):1966-1976.
- Dent, L. and **W.I. Lutterschmidt**. 2003. Comparative thermal physiology of two sympatric sunfishes (Centrarchidae: Perciformes) with a discussion of microhabitat utilization. *The Journal of Thermal Biology* 28(1):67-74.
- Lutterschmidt, D.I., **W.I. Lutterschmidt**, and V.H. Hutchison. 2003. Melatonin and thermoregulation

- in ectothermic vertebrates: a review. *Canadian Journal of Zoology* 81(1):1-13.
- Lutterschmidt, W.I.**, S.B. Turk, E.D. Wilson. 2005. Seasonal timing of follicular development of the Mud Snake, *Farancia abacura* (Colubridae). *Herpetological Review* 36(3):244-248.
- Roth, E.D., **W.I. Lutterschmidt**, and D.A. Wilson. 2006. Relative medial and dorsal cortex volume in relation to sex differences in spatial ecology of a snake population. *Brain, Behavior and Evolution* 67(1):103-110.
- Lutterschmidt, W.I.**, S.B. Turk, and E. D. Wilson. 2006. Minimum size at maturation in the Mud Snake, *Farancia abacura* (Serpentes: Colubridae) from the southeastern United States. *Texas Journal of Science* 58(3):263-270.
- Lutterschmidt, W.I.** and D.K. Wasko. 2006. Seasonal activity, relative abundance, and size-class structure of the American Alligator (*Alligator mississippiensis*) in a highly disturbed inland lake. *Southwestern Naturalist* 51(3):346-351.
- Williams, J.K. and **W.I. Lutterschmidt**. 2006. Species-area relationships indicate large-scale data gaps in herbarium collections. *Lundellia* 9:41-50.
- Lutterschmidt, W.I.**, E.D. Roth, K.G. Wunch, E. Levin, and L.H. James. 2007. Bacterial microflora of the anterior digestive tract of two *Agkistrodon* species: additional evidence for food partitioning? *Herpetological Review* 38(1):33-35.
- Lutterschmidt, W.I.**, J.F. Schaefer, R.A. Fiorillo. 2007. The ecological significance of Helminth endoparasites on the physiological performance of two sympatric fishes. *Journal of Comparative Parasitology* 74(2):194-203.
- Smith, A.J. , T.J. Cook, and **W.I. Lutterschmidt**. 2007. Effects of temperature on the development of *Gregarina cubensis* (Apicomplexa: Eugregarinida) parasitizing *Blaberus discoidalis* (Blattaria: Blaberidae). *Journal of Parasitology* 93(3):583-588.
- Millican, D.S. and **W.I. Lutterschmidt**. 2007. Comparative seasonal observations of soil temperature and moisture and the occurrence of earthworms inhabiting prairie and deciduous woodland sites. *Southwestern Naturalists* 52(4):468-474.
- Lutterschmidt, W.I.**, S.A. Escobar, and E.D. Wilson. 2007. Multivariate analyses of shell morphology in putative hybrid box turtles. *Southeastern Naturalist* 6(4):571-576.
- Wilson, C., K. Nungaray, M. Garza, J. Raska, M. Kercher, **W.I. Lutterschmidt**. 2008. Sit down and stay here! Transport response elicitation modulates subsequent activity in rat pups. *Behavioral Processes* 77(1):131-134.
- Lutterschmidt, W.I.**, D.I. Lutterschmidt, R.T. Mason, H.K. Reinert. 2009. Seasonal variation in hormonal responses of timber rattlesnakes (*Crotalus horridus*) to reproductive and environmental stressors. *Comparative Physiology B* 179(6):747-757.
- Croes, R.Z.C., H.K. Reinert, L.M. Bushar, R.A. Odum and **W.I. Lutterschmidt**. 2009. Snakes of Aruba. Special Publication: Texas Research Institute for Environmental Studies. Sam Houston Press, Sam Houston State University, Texas. Pp. 1-6.
- Buchman, A.B., R. Deaton, C.P. Randle, T. Brummel, E.D. Wilson and **W.I. Lutterschmidt**. 2009. Isolation and characterization of polymorphic microsatellite loci for the three-toed box turtle (*Terrapene carolina triunguis*) and cross-amplification in other *Terrapene* species. *Molecular Ecology Resources* 9(4):1169-1171.
- Cureton II, J.C., A.B. Buchman, C.P. Randle, **W.I. Lutterschmidt**, and R. Deaton. 2009. Characterization of ten novel microsatellite loci for the threatened Ornate Box Turtle, *Terrapene ornata*. *Conservation Genetics Resources* 1(1):141-143.
- Lutterschmidt, W.I.**, J.C. Cureton II, and A.R. Gaillard. 2010. "Quick" DNA extraction from claw clippings of fresh and formalin-fixed box turtle (*Terrapene ornata*) specimens. *Herpetological Review* 41(3):313-315.
- Goessling, J.M., J.C. Cureton II, T.M. Saxton, and **W.I. Lutterschmidt**. 2010. *Terrapene Carolina Triunguis* (Three-toed Box Turtle) Shell Abnormality. *Herpetological Review* 41(4):488.
- Cureton II, J.C., A.B. Buchman, C.P. Randle, **W.I. Lutterschmidt**, and R. Deaton. 2010. Development and cross-amplification of nine novel *Gambusia geiseri* microsatellite loci in *G. clark-hubbsi* and the endangered *G. nobilis*. *Conservation Genetics Resources* 2(1):177-179.
- Buchman, A.B., J.C. Cureton II, **W.I. Lutterschmidt**, and E.D. Wilson. 2010. Seasonal occurrence of activity and reproduction of three-toed box turtles (*Terrapene carolina triunguis*) in east

- Texas. *Bios* 81(3):1-7.
- Cureton II, J.C., A.B. Buchman, R. Deaton, and **W.I. Lutterschmidt**. 2011. Molecular analysis of hybridization between the box turtles *Terrapene carolina* and *T. ornata*. *Copeia* 2011(2):270-277.
- Fontenot, C.L., Jr., and **W.I. Lutterschmidt**. 2011. Body-coiling behavior in the three-toed amphiuma (*Amphiuma tridactylum*). *IRCF Reptiles & Amphibians* 18(3):134-137.
- Tivador III, E.J., S. Bonge, S. Rodriguez, J.R. Wozniak, and **W.I. Lutterschmidt**. 2011. A photographic record of a rare ophidian predation event. *Southeastern Naturalist* 10(3):561-562.
- Roth, E.D. and **W.I. Lutterschmidt**. 2011. Experimental validation of sex differences in spatial behavior patterns of free-ranging snakes: implications for social interactions. *Ethology* 117(8):852-858.
- Fontenot, C.L., Jr., and **W.I. Lutterschmidt**. 2011. Thermal selection and temperature preference of the aquatic salamander, *Amphiuma tridactylum*. *Herpetological Conservation Biology* 6(3):395-399.
- Alford, J.G. and **W.I. Lutterschmidt**. 2012. Modeling energetic and theoretical costs of thermoregulatory strategy. *Journal of Biological Dynamics* 6(1):63-79.
- Lutterschmidt, W.I.** and H.K. Reinert. 2012. Modeling body temperature and thermal inertia of large-bodied reptiles: support for water-filled biophysical models in radiotelemetric studies. *Journal of Thermal Biology* 37(2012):282-285.
- Lutterschmidt, W.I.** 2012. A book review of - Snakes and reptiles: the most scary cold-blood creatures on earth. *Herpetological Review* 43(1):161-162.
- Goessling, J.M., **W.I. Lutterschmidt**, A. Odum, and H.K. Reinert. 2012. *Leptodeira bakeri* (Aruban Cat-eyed Snake); Predation. *Herpetological Review* 43(2):345.
- Lutterschmidt, W.I.**, A.J. Smith, E.J. Tivador III, and H.K. Reinert. 2012. Diagnostic classification of connective tissue encapsulating transmitters and data acquisition units: evidence for not modifying a classic surgical implantation method. *Herpetological Review* 43(3):381-385
- Martin, S.L. and **W.I. Lutterschmidt**. 2013. A checklist to the common cyprinid and centrarchid fishes of the Bull and Upatoi creeks watershed of Georgia with a brief glimpse of correlative urban influences and land use. *Southeastern Naturalist* 12(4):769-780.
- Cureton II, J.C., M. Janis, **W.I. Lutterschmidt**, C.P. Randle, D. Ruthven III, and R. Deaton. 2014. Effects of urbanization on genetic diversity, gene flow, and population structure in the ornate box turtle (*Terrapene ornata*). *Amphibia-Reptilia* 35(1):87-97.
- Miller, M.A. and **W.I. Lutterschmidt**. 2014. Cutaneous water loss and epidermal lipids in two sympatric and congeneric pitvipers. *Journal of Herpetology* 48(4):577-583.
- Jeffrey R. Wozniak, J.R., M.L. Thies, J.A. Bytheway, **W.I. Lutterschmidt**. 2015. Hydrologic retention system and water quality monitoring program for a human decomposition research facility: concept and design. *Journal of Forensic Sciences* 60(1):54-60.

INVITED SEMINARS AND SYMPOSIA

- Lutterschmidt, W.I. 1997. Professional aspects of graduate school: the wheres, whens, and whys. Department of Biological Sciences, Southwestern Oklahoma State University, Oklahoma.
- Lutterschmidt, W.I. and V.H. Hutchison. 1997. Thermal tolerance, geographic range, and Liebig's Law: does physiological plasticity matter? *In Symposium*. Comparisons and current uses of phylogenetic approaches to ichthyology and herpetology. American Society of Ichthyologists and Herpetologists, University of Washington, Seattle, Washington.
- Lutterschmidt, W.I. 1997. Comparative physiology of metabolic plasticity in snakes: a macroecological study. *In Symposium*. Snake ecology for the 21st century. Texas Herpetological Society, University of Texas, Tyler, Texas.
- Lutterschmidt, W.I. 1997. Comparative physiology of thermal tolerance and metabolic rate in ectothermic vertebrates: Correlates of physiological plasticity and macroecology. Invited seminars for assistant professor positions at: (1) University of Indiana, Kokomo, (2) Bridgewater State University, (3) State University of New York, Potsdam, (4) Clarion University, (5) Sam Houston State University, (6) Concordia College.

- Lutterschmidt, W.I. 1999. Some Like it Hot: The Use of High-Temperature Tolerance and Temperature-Dependent Metabolic Rate to Investigate Macroecological Patterns. Department of Biological Sciences, Southeastern Louisiana University, Hammond, Louisiana.
- Lutterschmidt, W.I. 1999. Ecology and Physiology of the Endangered Aruba Island Rattlesnake. Department of Biology and Mathematics. University of Texas, Tyler. (Nov. 8)
- Lutterschmidt, W.I. 2000. Where have all the mammals gone? The study and conservation of the Aruba Island Rattlesnake, *Crotalus unicolor*. Mississippi State University, Starkville, Mississippi. (Feb. 25)
- Lutterschmidt, W.I. 2000. The Physiological Ecology and Conservation of a Desert Snake, *Crotalus unicolor*. Stephen F. Austin State University, Nacogdoches, Texas. (Oct. 12)
- Lutterschmidt, W.I. 2000. Natural History of Aruba and Conservation of the Aruban Island Rattlesnake. National Audubon Society, Texas Chapter, Huntsville, Texas. (Oct. 19)
- Lutterschmidt, W.I. 2000. Natural History of Aruba with a Discussion of its Endemic Pitviper. Oregon State University, Corvallis, Oregon. (Nov. 20).
- Lutterschmidt, W.I. and D.S. Millican. 2001. Urbanization effects and habitat fragmentation on biodiversity: Part I - The experiment, sampling methodology, and modeling. SERDP's Ecosystem Management Project Research Coordination Meeting. Columbus, Georgia. (Nov. 5-6).
- Millican, D.S. and W.I. Lutterschmidt. 2001. Urbanization Effects and Habitat Fragmentation on Biodiversity: Part II - Scale of assessment. SERDP's Ecosystem Management Project Research Coordination Meeting. Columbus, Georgia. (Nov. 5-6).
- Lutterschmidt, W.I. and D.S. Millican. 2002. Ecosystem dynamics and the use of the index of biological integrity in evaluating urban disturbance. Construction Engineering Research Laboratory Project Summary Meeting. (14-15 February 2002).
- Lutterschmidt, W.I. 2003. A survey for the common amphibians and reptiles of Camp Swift, Bastrop County, Texas. Texas National Guard Natural Resources Conference. Austin, Texas. (15-16 August 2003).
- Lutterschmidt, W.I. 2004. Surgical methods for the implantation of radio-transmitters in venomous snakes. Shorter College. Rome, Georgia. (4 June 2004).
- Lutterschmidt, W.I. 2005. Professional aspects and the academic role of a university professor in the sciences. Annual Gulf Coast Intercollegiate Honors Council. Huntsville, Texas. (25 February 2005).
- Lutterschmidt, W.I. 2006. Texas amphibians and reptiles: identifying the good, the bad, and the ugly. University Women's Association. Huntsville, Texas. (14 February 2006).
- Lutterschmidt, W.I. 2006. Another species invades Aruba: Conservation Concerns for the Aruba Island Rattlesnake (*Crotalus unicolor*). Department of Chemistry, McNeese University. (8 November 2006).
- Lutterschmidt, W.I. 2006. Another species invades Aruba: Conservation Concerns for the Aruba Island Rattlesnake (*Crotalus unicolor*). Department of Biological Sciences, Southeastern Louisiana University. (10 November 2006).
- Lutterschmidt, W.I. 2006. Another species invades Aruba: Conservation Concerns for the Aruba Island Rattlesnake (*Crotalus unicolor*). Department of Biological Sciences, University of Louisiana - Monroe. (23 February 2006).
- Lutterschmidt, W.I. and D.L. Neudorf. 2007. Mentoring in an REU program: Introducing students to the professional responsibilities of biologists. National Science Foundation, Washington, D.C. (8-9 March 2007).
- Lutterschmidt, W.I. 2007. Commonly Encountered Amphibians and Reptiles of the Sam Houston State University Campus - Notes on the identification of venomous snake and first aid. Sam Houston State University Safety Office and Physical Plant. (16 April 2007).
- Williams, J. K., A. Gaillard and **W. I. Lutterschmidt**. 2007. Effects of Invasive Plants on the Biodiversity of Fish Assemblages with the Rio Grande. Invasive Plants of Texas Conference. Lady Bird Wildflower Research Center. Austin, Texas. (15 November 2007).
- Lutterschmidt, W.I. 2009. Comparative Biology: From Past to Present. Luncheon Key Note Address Phylogenetics Symposium. Lone Star College - North Harris. Houston, Texas. (3 April

- 2009).
- Lutterschmidt, W.I. and M.A. Miller. 2009. An Ecophysiological Investigation of Cutaneous Water Loss in two Sympatric Snakes Species. Department of Biology, San Angelo State University. San Angelo, Texas (16 September 2009). Sponsored by Tri-Beta Biological Honor Society.
- Lutterschmidt, W.I. 2010. Why Do Animals Live Where They Do? The Influences of Evaporative Water Loss in an Aquatic and Terrestrial Pitviper. 2010. Distinguished Lecture Series: Conroe Academy of Sciences, Conroe Independent School District, Conroe Texas. (21 October 2010).
- Deaton, R. Cureton II, J.C, **W.I. Lutterschmidt**, C.P. Randle. 2010. Impact of urbanization on conservation, ecology and genetics of declining box turtles. Invited Departmental Seminar, Department of Natural Resources, Texas Tech University. Lubbock, Texas. (27 October 2010).
- Lutterschmidt, W.I. 2012. If Two is Company, Is Three a Crowd?: An Invasive Snake Species on Aruba and Its Potential Threat to an Endangered Species. Distinguished Lecture Series: Conroe Academy of Sciences, Conroe Independent School District, Conroe Texas. (23 April 2012).
- Lutterschmidt, W.I. 2012. Venomous snakes as model organisms in academic research. Invited Seminar, Venomous Snakebite Education Symposium. Huntsville Memorial Hospital Conference Center, Huntsville, Texas. (5 June 2012)
- Lutterschmidt, W.I. 2013. The venomous snakes of Walker County and their use in academic research. Invited Seminar, Snake Education Symposium. Walker County Storm Shelter. Huntsville, Texas. (25 June 2013)
- Lutterschmidt, W.I. and Diane L.H. Neudorf. 2013. Practices, Pragmatisms, and Perspectives: Three P's in Organizing and Managing a REU Program. STEM Center Fall Research Conference, Stephen F. Austin State University, Nacogdoches, Texas. (11 October 2013)
- Lutterschmidt, W.I., J.M. Goessling, and R.A. Odum. 2015. Historical and current densities of *Cnemidophorus arubensis* on Aruba may indicate biological facilitation by the invasive *Boa constrictor*. Arikok National Park, Aruba. (21 January 2015)
- Lutterschmidt, W.I. 2015. Graduate and research opportunities at Sam Houston State University: Potential collaboration with the University of Aruba. University of Aruba, Aruba. (22 January 2015)

PRESENTATIONS (Excluding my first 22 Presentation from 1989-1999)

- Millican, D.S. and **W.I. Lutterschmidt**. 2000. Observations of anecic and putative endogeic earthworm populations at fallow sites in Walker County, Texas. 47th Annual Meeting of the Southwestern Association of Naturalists. University of North Texas. (April 20-22).
- Dent, L. and **W.I. Lutterschmidt**. 2001. Effects of acclimation temperature on the standard metabolic rate and thermal tolerance of sunfishes. South-central regional meeting of Tri-Beta National Biology Honors Society. University of Oklahoma Biological Station, Lake Texoma. (April 6-8, 2001).
- Millican, D.S. and **W.I. Lutterschmidt**. 2001. Measurement of population dynamics and drought tolerance as indicators of earthworm distributions in fallow fields. South-central regional meeting of Tri-Beta National Biology Honors Society. University of Oklahoma Biological Station, Lake Texoma. (April 6-8, 2001).
- Dent, L. and **W.I. Lutterschmidt**. 2001. The comparative thermal physiology of two sympatric centrarchids with a discussion of preferential microhabitat utilization. 48th Annual Meeting of the Southwestern Association of Naturalists. Fort Hayes State University. (April 18-21, 2001).
- Millican, D.S. and **W.I. Lutterschmidt**. 2001. Does soil microclimate limit the distribution of exotic earthworms in fallow fields of Walker County, Texas? 48th Annual Meeting of the Southwestern Association of Naturalists. Fort Hayes State University. (April 18-21, 2001).
- Lutterschmidt, W.I.** and D.S. Millican. 2001. Urbanization effects and habitat fragmentation on biodiversity: Part I - The experiment, sampling methodology, and modeling. SERDP's Ecosystem Management Project Research Coordination Meeting. Columbus, Georgia. (5-6 November 2001).

- Millican, D.S. and **W.I. Lutterschmidt**. 2001. Urbanization effects and habitat fragmentation on biodiversity: Part II - Scale of assessment. Columbus, Georgia. (5-6 November 2001).
- Lutterschmidt, W.I.**, D.S. Millican, L. Dent, D.K. Wasko, and B. Deal. 2002. Urbanization dynamics and the index of biological integrity: a discussion of spatial scales in evaluating urban disturbance. 49th Annual Meeting of the Southwestern Association of Naturalists. Cuernavaca, Mexico. (25-27 April 2002).
- Lutterschmidt, W.I.** and D.K. Wasko. 2002. Seasonal activity, relative abundance, and population structure of the American alligator (*Alligator mississippiensis*) in a highly-disturbed inland lake. 49th Annual Meeting of the Southwestern Association of Naturalists. Cuernavaca, Mexico. (25-27 April 2002).
- Millican, D.S. and **W.I. Lutterschmidt**. 2002. Temperature and moisture relations of endemic and exotic earthworms inhabiting unmanaged sites in Southeast Texas. 49th Annual Meeting of the Southwestern Association of Naturalists. Cuernavaca, Mexico. (25-27 April 2002).
- Wasko, D.K. and **W.I. Lutterschmidt**. 2002. Microhabitat specificity and seasonal activity of a herpetofaunal community in east Texas. 49th Annual Meeting of the Southwestern Association of Naturalists. Cuernavaca, Mexico. (25-27 April 2002).
- Welch, S., L. Dent, and **W.I. Lutterschmidt**. 2002. Behavioral responses of juvenile tarpon (*Megalops atlanticus*) to hypoxic conditions. 49th Annual Meeting of the Southwestern Association of Naturalists. Cuernavaca, Mexico. (25-27 April 2002).
- Lutterschmidt, D.I., **W.I. Lutterschmidt**, and V.H. Hutchison. 2002. Melatonin's role in the thermoregulation of ectothermic vertebrates. 6th Annual Meeting of the Society for Behavioral Neuroendocrinology. Amherst, Massachusetts. (25-29 June 2002).
- Millican, D.S., **W.I. Lutterschmidt**, and B. Deal. 2002. Physiological and behavioral sensitivity to environmental stressors measured by changes in fish guild structure in urbanized streams. The American Physiological Society Meeting - The Power of Comparative Physiology: Evolution, Integration, and Application. San Diego, California. (24-28 August 2002). [Poster Presentation] **Published Abstract: The Physiologist 45(4):373; August 2002.**
- Lutterschmidt, W.I.** and G.M. Sanford. 2002. A discussion of the "Comparative Method" and the mechanisms of correlated evolution. The American Physiological Society Meeting - The Power of Comparative Physiology: Evolution, Integration, and Application. San Diego, California. (24-28 August 2002). [Poster Presentation] **Published Abstract: The Physiologist 45(4):344; August 2002.**
- Lutterschmidt, W.I.**, D.S. Millican, and B. Deal. 2002. A discussion of biological integrity in evaluating the impacts of urban development and changes in land use. 56th Annual Conference of Southeastern Association of Fish and Wildlife Agencies. Baltimore, Maryland. (26-30 October 2002). [Poster Presentation]
- Turk, S.B., E.D. Wilson, and **W.I. Lutterschmidt**. 2003. Seasonal reproduction and natural history of the mud snake, *Farancia abacura*. 50th Annual Meeting of the Southwestern Association of Naturalists. Norman, Oklahoma. (17-19 April 2003).
- D.S. Millican and **W.I. Lutterschmidt**. 2003. Assessment of urban landscape impacts on stream fish assemblages. 50th Annual Meeting of the Southwestern Association of Naturalists. Norman, Oklahoma. (17-19 April 2003).
- S.M. Anderson and **W.I. Lutterschmidt**. 2003. Helminth community structure of two *Lepomis* species (Osteichthyes: Centrarchidae) from an urban watershed. 50th Annual Meeting of the Southwestern Association of Naturalists. Norman, Oklahoma. (17-19 April 2003).
- S.M. Anderson and **W.I. Lutterschmidt**. 2003. Urbanization and helminth prevalence in the fishes *Lepomis macrochirus* and *L. auritus* (Centrarchidae: Perciformes) from the Bull and Upatoi Creek watershed in Columbus, Georgia. 36th Annual meeting of Southwestern Association of Parasitologists. University of Oklahoma Biological Station, Kingston, Oklahoma. (24-26 April 2003).
- Wasko, D.K. and **W.I. Lutterschmidt**. 2003. Assemblage structure and seasonal activity of a herpetofaunal community in eastern Texas. 2003 Annual Meeting of the American Association of Ichthyologists and Herpetologists. Manaus, Brazil. (26 June - 1 July 2003).
- Lutterschmidt, W.I.**, T.L. Roth, and C. Wilson. 2004. Melatonin and suppression of the transport

- response in rat pups. 2004 Annual Meeting of the Society for Integrative and Comparative Biology. New Orleans Marriott, New Orleans, Louisiana. (5-9 January 2004).
- Lutterschmidt, W.I.** 2004. Post-prandial thermophily in a fossorial snake? 51st Annual Meeting of the Southwestern Association of Naturalists. San Antonio, Texas. (15-17 April 2004).
- Roth, E.D., **W.I. Lutterschmidt** and D.A. Wilson. 2004. Cottonmouth (*Agkistrodon piscivorus*) neuro-ecology : An integrative approach to examining patterns of spatial use. Snake Ecology Conference. Carbondale, Illinois. (23-25 May 2004).
- Cook, T.J., M.D. Becker, A. Kowalski, **W.I. Lutterschmidt**. 2004. Effects of parasites on thermal tolerance of *Lepomis macrochirus*. Southwestern Association of Parasitologists. University of Oklahoma Biological Station, Oklahoma. (April 2004).
- Lutterschmidt, W.I.** and D.L. Neudorf. 2004. A Research Experience for Undergraduates (REU) in Field Biology at Sam Houston State University. H-LSAMP 4th Annual Undergraduate Research Conference. (1-3 October 2004).
- Lutterschmidt, W.I.** 2005. Post-prandial thermophily in a fossorial snake? 2005 Annual Meeting of the Society for Integrative and Comparative Biology. Town and Country Resort and Conference Center, San Diego, California. (4-8 January 2005).
- Williams, J.K., **W.I. Lutterschmidt**, and A. Debelica. 2005. Determining large scale data gaps in museum collections using species area relationships. 52nd Annual Meeting of the Southwestern Association of Naturalists. Huntsville, Texas. (14-16 April 2005).
- Escobar, S.A., E.D. Wilson, **W.I. Lutterschmidt**, and G. Etheredge. 2005. A morphometric analysis of hybrid box turtles from east Texas with notes on early reproduction. 52nd Annual Meeting of the Southwestern Association of Naturalists. Huntsville, Texas. (14-16 April 2005).
- Williams, J.K., **W.I. Lutterschmidt**, and A. Debelica. 2005. Determining large scale data gaps in herbarium collections using species area relationships. 2005 Annual Meeting of the American Society of Plant Taxonomists. Austin, Texas. (13-17 August 2005).
- Williams, J.K. and **W.I. Lutterschmidt**. 2006. Modeling the distribution and densities of the non-native flora of Texas using herbaria records and GIS. 53rd Annual Meeting of the Southwestern Association of Naturalists. Colima, Mexico. (13-15 April 2006).
- Lutterschmidt, W.I.**, K.W. Luce, S.D. Koether, and J.K. Williams. 2006. Land-use practices along the Rio Bravo (Rio Grande) and their influences on vegetative and ichthyofaunal communities. 53rd Annual Meeting of the Southwestern Association of Naturalists. Colima, Mexico. (13-15 April 2006).
- Fontenot, C.L., **W.I. Lutterschmidt**, and B.I. Crother. 2006. Snake assemblage comparisons between two surveys done 13 year apart in southeast Louisiana. 2006 Joint Meetings of Ichthyologists and Herpetologists - ASIH, HL, SSAR. New Orleans, Louisiana. (12-17 July 2006).
- Lutterschmidt, W.I.** and J.K. Williams. 2007. Vegetation disturbance, invasive species and agriculture in the Rio Grande watershed. 2007 Joint Rio Grande Basin Initiatives (RGBI) Annual Conference. South Padre Island, Texas. (14-17 May 2007).
- Lutterschmidt, W.I.** and D.I. Lutterschmidt. 2007. Tips and tools for the experimental approach to laboratory instruction in human physiology. 21st Annual Meeting of the Human Anatomy and Physiology Society. Miramar College, San Diego, California. (26-30 May 2007).
- Buchman, A.B., R.R. Deaton, T. Brummel, E.D. Wilson, **W.I. Lutterschmidt**. 2008. Amolecular analysis of putative hybridization between two box turtle species. 2008 Annual Meeting of the Society for Integrative and Comparative Biology. San Antonio Marriott Rivercenter, San Antonio, Texas. (2-6 January 2008).
- Lutterschmidt, W.I.**, D.I. Lutterschmidt, R.T. Mason, and H.K. Reinert. 2008. Seasonal variation in the hormonal responses of timber rattlesnakes (*Crotalus horridus*) to reproductive and environmental stressors. 2008 Annual Meeting of the Society for Integrative and Comparative Biology. San Antonio Marriott Rivercenter, San Antonio, Texas. (2-6 January 2008).
- Williams, J.K. and **W.I. Lutterschmidt**. 2008. Determining data gaps in the herbaria collection of Texas using species area relationships. Texas Wildlife Diversity Conference. Houston Zoo, Houston, Texas.. (17-19 January 2008).
- Lutterschmidt, W.I.** 2008. A roundtable discussion of educational practices and philosophy in

- biology. Pearson Science Education Workshop. Houston Museum of Natural History, Houston, Texas. (1 February 2008).
- Lutterschmidt, W.I.**, D.I. Lutterschmidt, R.T. Mason, and H.K. Reinert. 2008. Hormonal responses of timber rattlesnakes (*Crotalus horridus*) to reproductive and environmental stressors. 111th Annual Meeting of the Texas Academy of Science. Texas A&M University - Corpus Christi. Corpus Christi, Texas. (6-8 March 2008).
- Lutterschmidt, W.I.** and D.I. Lutterschmidt. 2008. An experimental approach and the use of computer simulation in laboratory instruction: Human physiology students' friend or foe? 22nd Annual Meeting of the Human Anatomy and Physiology Society. Louisiana State University Health Sciences Center. New Orleans, Louisiana. (24-29 May 2008).
- Lutterschmidt, W.I.**, E..D. Wilson, H.K. Reinert, M.A. Miller, R.A.. Odum. 2008. Seasonal Timing of Reproduction and Follicular Development of the Recently Introduced Boa constrictor on Aruba, Dutch West Indies. Oranjestad, Aruba. (25-29 August 2008).
- Alford, J.G., Matlock R. and **W.I. Lutterschmidt**. 2009. Examples of Spatial Modeling of Dispersal in Mathematical Ecology. The 89th Annual Meeting of the Texas Section of the Mathematical Association of America, University of North Texas, Denton, Texas. (16-18 April 2009).
- Miller, M and **W.I. Lutterschmidt**. 2009. Comparative Skin Permeability in Two Congeneric and Sympatric Pitvipers: Does Physiology Influence Habitat Selection? Joint Meeting of Ichthyologists and Herpetologists, ASIH, SSAR, and HL. Portland, Oregon. (22-27 July 2009).
- Miller, M and **W.I. Lutterschmidt**. 2009. Comparative Physiological Ecology of Cutaneous Water Loss in Two Congeneric and Sympatric Pitvipers. 2009 Sigma Xi Annual Meeting. Woodlands, Texas. (12-15 November 2009).
- Gao, S., **W.I. Lutterschmidt**, and D.I. Lutterschmidt. 2010. Diel variation in standard metabolic rate: mediation by photoperiod cues and melatonin? 2010 Annual Meeting of the Society for Integrative and Comparative Biology. Seattle Sheraton Hotel and Washington State Convention and Trade Center, Seattle, Washington. (3-7 January 2010).
- Alford, J.G. and **W.I. Lutterschmidt**. 2010. Modeling the movements of a thermoregulating timber rattlesnake. Joint Mathematics Meetings for the 116th Annual Meeting of the American Mathematical Society and 93rd Meeting of the Mathematical Association of America. San Francisco, California. (13-16 January 2010).
- Cureton II, J.C., **W.I. Lutterschmidt**, C.P. Randle, and R. Deaton. 2010. Assessing the causes and impact of road mortality on Turtle populations in an urban-prone area. 113th Annual Meeting of the Texas Academy of Science. Tarleton State University. Stephenville, Texas. (5-6 March 2010).
- Alford, J. and **W.I. Lutterschmidt**. 2010. Mathematical Model of the Movements of a Thermoregulating Ectotherm. 90th annual regional meeting of the Texas Section of the Mathematical Association of America. Abilene Christian University. Abilene, Texas. (9 April 2010).
- Alford, J. and **W.I. Lutterschmidt**. 2010. Mathematical Model of a thermoregulating ectotherm. Sam Houston State University Department Colloquium for Mathematics. Huntsville, Texas. (22 April 2010).
- Bonge, S., K.W. Jackson, and **W.I. Lutterschmidt**. 2010. Comparative peptide profiles of sympatric anurans *Hyla versicolor* (Hylidae) and *Lithobates clamitans* (Ranidae): an anti-predator hypothesis. 57th Annual Meeting of the Southwestern Association of Naturalists. Llano River Field Station, Texas Tech University. Junction, Texas. (22-24 April 2010).
- Cureton II, J.C., C.P. Randle, **W.I. Lutterschmidt**, and R. Deaton. 2010. A future without box turtles? Investigating the impact of urbanization on western box turtles, *Terrapene ornata*. 57th Annual Meeting of the Southwestern Association of Naturalists. Llano River Field Station, Texas Tech University. Junction, Texas. (22-24 April 2010).
- Cureton II, J.C. A.B. Buchman, R. Deaton, and **W.I. Lutterschmidt**. 2010. Molecular analysis of potential hybridization between eastern (*Terrapene carolina triunguis*) and western (*Terrapene ornata ornata*) box turtles. 57th Annual Meeting of the Southwestern Association of Naturalists. Llano River Field Station, Texas Tech University. Junction, Texas. (22-24 April 2010).

- Cureton II, J.C., C.P. Randle, **W.I. Lutterschmidt**, and R. Deaton. 2010. Assessing the causes and impact of road mortality on turtle populations in an urban-prone area. 57th Annual Meeting of the Southwestern Association of Naturalists. Llano River Field Station, Texas Tech University. Junction, Texas. (22-24 April 2010).
- Gao, S., L. Torkildsen, D.I. Lutterschmidt, and **W.I. Lutterschmidt**. 2010. Diel variation in standard metabolic rate mediated by photoperiod cues and melatonin. 57th Annual Meeting of the Southwestern Association of Naturalists. Llano River Field Station, Texas Tech University. Junction, Texas. (22-24 April 2010).
- Goessling, J.M., **W.I. Lutterschmidt**, H.K. Reinert, and R.A. Odum. 2010. Diet-influenced growth and metabolic rate of the endangered Aruba Island Rattlesnake, *Crotalus unicolor*. 57th Annual Meeting of the Southwestern Association of Naturalists. Llano River Field Station, Texas Tech University. Junction, Texas. (22-24 April 2010).
- Miller, M.A. and **W.I. Lutterschmidt**. 2010. Comparative physiological ecology of cutaneous water loss in two sympatric and congeneric pitvipers. 57th Annual Meeting of the Southwestern Association of Naturalists. Llano River Field Station, Texas Tech University. Junction, Texas. (22-24 April 2010).
- Saxton, T.M. and **W.I. Lutterschmidt**. 2010. A biogeographical and comparative investigation of evaporative water loss rate and desiccation tolerance among five congeneric toads. 57th Annual Meeting of the Southwestern Association of Naturalists. Llano River Field Station, Texas Tech University. Junction, Texas. (22-24 April 2010).
- Stephens, C., M. Holt, and **W.I. Lutterschmidt**. 2010. The misuse of model-I regression in biology and its implications for Data interpretation. 57th Annual Meeting of the Southwestern Association of Naturalists. Llano River Field Station, Texas Tech University. Junction, Texas. (22-24 April 2010).
- Tivador III, E.J. and **W.I. Lutterschmidt**. 2010. Comparative thermal preferences of sympatric pit vipers: thermophysiological requirements as a potential mechanism for microhabitat partitioning. 57th Annual Meeting of the Southwestern Association of Naturalists. Llano River Field Station, Texas Tech University. Junction, Texas. (22-24 April 2010).
- Wozniak, J.R., M.L. Thies, and **W.I. Lutterschmidt**. 2010. Initiating a long-term water quality monitoring network at a biological field station: preliminary findings and plans for the future. 57th Annual Meeting of the Southwestern Association of Naturalists. Llano River Field Station, Texas Tech University. Junction, Texas. (22-24 April 2010).
- Wozniak, J.R. and **W.I. Lutterschmidt**. 2010. The importance of long-term data in understanding ecological systems. Texas Parks and Wildlife Department Inland Fisheries Program Directors' Meeting. Texas Research Institute for Environmental Studies, Sam Houston State University. Huntsville, Texas. (14-15 June 2010).
- W.I. Lutterschmidt** and J.G. Alford. 2010. Modeling energetic and theoretical costs of thermoregulatory strategy. 10th Red Raider Mini-Symposium: Mathematical Modeling in Population Biology and Epidemiology. Department of Mathematics and Statistics, Texas Tech University. Lubbock, Texas. (28-30 October 2010).
- Alford, J. and **W.I. Lutterschmidt**. 2010. Modeling energetic and theoretical costs of thermoregulatory strategy. Joint Mathematics Meeting of American Mathematics Society and Mathematics Association of America, AMS Contributed Paper Session on Mathematical Biology and Ecology. New Orleans, Louisiana. (6-9 January 2011).
- Bonge, S., K. Jackson and **W.I. Lutterschmidt**. 2011. Comparative peptide profiles of sympatric anurans *hyla versicolor* (Hylidae) and *lithobates clamitans* (Ranidae): an anti-predator hypothesis. 58th Annual Meeting of the Southwestern Association of Naturalists. University of Texas -Tyler. Tyler, Texas. (21-23 April 2011).
- Saxton, T.M. and **W.I. Lutterschmidt**. 2011. A biogeographical and comparative investigation of evaporative water loss rate and desiccation tolerance among five congeneric toads. 58th Annual Meeting of the Southwestern Association of Naturalists. University of Texas -Tyler. Tyler, Texas. (21-23 April 2011).
- Tivador III, E.J. and **W.I. Lutterschmidt**. 2011. Comparative thermal preferences of sympatric pit vipers: thermophysiological requirements as a potential microhabitat partitioning mechanism.

- 58th Annual Meeting of the Southwestern Association of Naturalists. University of Texas - Tyler. Tyler, Texas. (21-23 April 2011).
- Goessling, J.M., **W.I. Lutterschmidt**, H.K. Reinert, and R.A. Odum. 2012. Comparative metabolic rate and assimilation between an endemic rattlesnake and an invasive boa: implications for invasive species success. 2012 Annual Meeting of the Society for Integrative and Comparative Biology. Charleston, South Carolina. (3-7 January 2012).
- Staicer, S., J.M. Goessling, A. Smith-Herron, **W.I. Lutterschmidt**, T.J. Cook, H.K. Reinert, R.A. Odum. 2012. Pentastomes (Pentastomida: Cephalobaenida) isolated from the endangered rattlesnake, *Crotalus durissus unicolor* from Arikok National park, Aruba. 87th Annual Meeting of the American Society of Parasitologists. Richmond, Virginia. (13-16 July 2012).
- McCain, S.C. and **W.I. Lutterschmidt**. 2013. Salinity preference, tolerance, and osmoregulatory capacity of the fully aquatic salamander, *Amphiuma tridactylum*. 116th Annual Meeting of the Texas Academy of Science. Kerrville, Texas. (28 February - 2 March 2013).
- Martin, S.L. and **W.I. Lutterschmidt**. 2013. A checklist to the common fishes of the Bull and Upatoi Creeks Watershed of Georgia. 116th Annual Meeting of the Texas Academy of Science. Kerrville, Texas. (28 February - 2 March 2013).
- McCain, S.C., **W.I. Lutterschmidt**, and C.L. Fontenot, Jr. 2013. Behavioral sensitivity to salinity and osmoregulatory capacity of the fully aquatic salamander, *Amphiuma tridactylum*. 2013 Joint Meeting of Ichthyologists and Herpetologists. University of New Mexico, Albuquerque, New Mexico. (10-15 July 2013).
- McCain, S.C., **W.I. Lutterschmidt**, and C.L. Fontenot, Jr. 2013. Salty salamanders: behavioral and physiological responses to osmotic challenge. 2013 Ernest A. Liner Louisiana Herpetology Conference. Louisiana Universities Marine Consortium, Chauvin, Louisiana. (2-3 November 2013).
- Baine, G., Z. Johnson, H. Hale, E. Williams, C. Hartnett, J. Alford, **W.I. Lutterschmidt**, E. Swim, and J.R. Wozniak. 2013. Using mathematical models to simulate coastal marsh hydrology and primary production. Coastal and Estuarine Research Federation Meeting. San Diego, California. (3-7 November 2013).
- McCain, S.C., **W.I. Lutterschmidt**, C.L. Fontenot Jr. 2015. Behavioral avoidance to salinity and physiological responses to osmotic challenge and dehydration in *Amphiuma tridactylum*. 2014 Annual Meeting of the Society for Integrative and Comparative Biology. West Palm Beach, Florida. (3-7 January 2015).
- Alford, J.G. and **W.I. Lutterschmidt**. 2015. Costs and benefits of lizard thermoregulation revisited: from conceptual to computational models. 2015 Joint Mathematics Meetings. San Antonio, Texas. (10-13 January 2015).

REFERENCES

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