

Zhujun Pan, Ph.D.

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EDUCATION

Ph.D.,	August 2014	Louisiana State University Kinesiology Concentration: Motor behavior Baton Rouge, LA
M.Ed.,	June 2009	Capital Institute of Physical Education Kinesiology Concentration: Applied Psychology Beijing, China
B.Eng.,	July 2005	SouthWest JiaoTong University Engineering Major: Electronic Engineering Chengdu, SC, China

ACADEMIC EXPERIENCE

Assistant Professor <i>Exercise Science</i> Jan. 2015 – present	Mississippi State University Department of Kinesiology Mississippi State, Mississippi
Graduate Assistant <i>Motor Behavior</i> Aug. 2009 – Aug. 2014	Louisiana State University School of Kinesiology Baton Rouge, Louisiana
Graduate Assistant <i>Applied Psychology</i> Sept. 2006- June 2009	Capital Institute of Physical Education Department of Kinesiology Beijing, China

RESEARCH INTERESTS

- Effects of aging and Parkinson's disease on fine movement control and learning
- Bimanual coordination and transfer of learning (inter-limb & intra-limb transfer)
- Exercise intervention for special populations (e.g. individuals with Parkinson's disease)

Ph.D DISSERTATION

Pan, Z.(2014). The control of amplitude and direction in bimanual coordination

Chair & Advisor : Arend W. A. Van Gemmert, Ph.D

Committee: T. Gilmour Reeve, Ph.D., Katie E. Cherry, Ph.D., Jan M. Hondzinski, Ph.D., Paul Mooney, Ph.D.

M.Ed THESIS

Pan, Z.(2009). Timing Perception Characteristics of Track-field Athletes under Stressful Condition: An ERPs Study

Chair & Advisor: Xiaochuan Yin, Ph.D

Committee: Jingcheng Li, Ph.D., Shuhui Liu, Ph.D., Changhao Jiang, Ph.D.

PUBLICATIONS

ARTICLES (in peer reviewed journals)

Aiken, C. A., **Pan, Z.**, & Van Gemmert, A. W. A. (in press) Limb-dominance and its effects on the benefits of intralimb transfer-of-learning a visuo-motor aiming task. *Journal of Motor Behavior*.

Pan, Z., & Van Gemmert, A. W. A. (2013) The Effects of Aging on the Asymmetry of inter-limb transfer in a Visuo-Motor Task. *Experimental Brain Research*, 229 (4), 621-633.

Pan, Z., & Van Gemmert, A. W. A. (2013) The Direction of Bilateral Transfer Depends on the Performance Parameter. *Human Movement Science*, 32(5), 1070-1081

Yin, X., & **Pan, Z.** (2008) A Study of Home Advantage on Event Group of Olympic Items. *Journal of Wuhan Institute of Physical Education*, 42(10), 62 – 66.

ABSTRACTS (national and international meetings)

Hickey, K. M., **Pan, Z.**, Simon, B. A., Thibodeaus, K. S., & Van Gemmert, A. W. A. (2014). The effects of age on spatial interference in a bimanual coordination task. *Society for Neuroscience* (program No.170.12/LL14).

Aiken, C. A., **Pan, Z.**, & Van Gemmert, A. W. A. (2014). The limit of effector independence: Transfer of a motor skill does not occur when a two-step transformation is required. *North American Society for The Psychology of Sport and Physical Activity (NASPSPA)*.

Aiken, C. A., **Pan, Z.**, & Van Gemmert, A. W. A. (2013). Transfer occurs within the same limb when a learned skill requires the use of different muscles to perform the task. *Journal of Sport & Exercise Psychology*, 35(Suppl.), S16

Aiken, C. A., **Pan, Z.**, & Van Gemmert, A. W. A. (2012). Control of visuo-motor aiming task transfers within the dominant upper limb. *Society for Neuroscience* (Program No. 679.14).

Pan, Z., & Van Gemmert, A. W. A. (2012). Parkinson's disease patients may attend to benefits related to smoothness and efficiency in bilateral transfer of learning. *Society for Neuroscience* (Program No. 755.12)

Hondzinski, J. M., Li, L., **Pan, Z.**, Prejean, P., & Van Gemmert, A. W. A. (2012) Movement excursion explains associations between gross and fine motor functions in older adults with and without Parkinson's disease. *Journal of Sport & Exercise Psychology*, 34 (Suppl.), S142

Van Gemmert, A.W.A., Li, L., Prejean, P., **Pan, Z.**, Hondzinski, J. M. (2012) Long-term Tai Chi participation benefits fine motor skill function of Parkinson's disease patients. *Journal of Sport & Exercise Psychology*, 34 (Suppl.), S88-S89

Pan, Z., & Van Gemmert, A. W. A. (2011). Aging reduces learning benefits as result of bilateral transfer. *The International Society of Motor Control: Recent Advances in Neural, Computational and Dynamical Approaches* (pp.24). U of Cincinnati, Cincinnati, OH. USA

Pan, Z., & Van Gemmert, A. W. A. (2011). Improvements of Movement Performance as Result of Bilateral Transfer of Learning. In E. Grassi and J. L. Contreras-Vidal (Eds.), *proceedings of the 15th Conference of the International Graphonomics Society* (pp.59-62).

Prejean, P., **Pan, Z.**, Harrison, J., Van Gemmert, A. W. A., Li, L., & Hondzinski, J. M. (2011). Potential benefits of long-term limited Tai Chi training for Parkinson's patients. *Journal of Sport & Exercise Psychology*, 33 (Suppl.), S102-S103

Pan, Z., & Van Gemmert, A. W. A. (2010). The Asymmetry of Bilateral Transfer of a Visuo-motor Rotated Aiming Task. *Society for Neuroscience* (program No. 293.6), Online

INVITED PRESENTATIONS

Hickey, K. M., **Pan, Z.**, Simon, B. A., Thibodeaus, K. S., & Van Gemmert, A. W. A. The control of direction and amplitude are interdependent in bimanual coordination. *Quality Enhancement Plan (QEP)*, LSU, Baton Rouge, LA, March 10, 2014

Pan, Z. Taichi as an modified exercise for individuals with Parkinson's disease. "*Movers and Shakers Gathering*" (*support group for Parkinson's disease*), Baton Rouge, LA, June 23, 2012; October 26, 2013

Pan, Z. Taichi as an exercise protocol for individuals with Parkinson's disease. "*National Parkinson's Disease Awareness Month*" meeting, Baton Rouge, LA, April 27, 2013

Van Gemmert, A. W. A., Li, L., & **Pan, Z.** Taichi as an exercise protocol for older adults. Osher Lifelong Learning institute, LSU, Baton Rouge, LA, April 27, 2011

Prejean, P., **Pan, Z.**, Harrison, J., Van Gemmert, A. W. A., Li, L., & Hondzinski, J. M. Long-term limited Taichi training can enhance function in Parkinson's patients. *LSU Life Course and Aging Center's 8th Annual Community Partners Luncheon*. LSU, Baton Rouge, Louisiana, February 11, 2011

RESEARCH FUNDING & HONORS

James J. Corbett Graduate Summer Research Award

Summer 2013, 2014

Recognized for outstanding research accomplishments and potential within the School of Kinesiology at Louisiana State University. Awarded \$4,000 in total to support my proposed summer research.

Lillian Oleson Scholarship

2011, 2012, 2013

Recognized for good standing in College of human science and education at Louisiana State University. Awarded \$6,000 in total to support my proposed research.

Life Course and Aging Center Research Scholarship

2009 - 2013

Recognized for outstanding research accomplishments and potential in aging population. Awarded \$12,000 from Fall 2009 to Spring 2013 to fulfill my proposed research agenda for motor function and aging population. Life Course and Aging Center at Louisiana State University is an organization committed to identifying the keys to successful aging and educating the public about these important issues.

Graduate Student Travel Award

2010

Recognized by the Graduate School of Louisiana State University. Awarded \$140 to support my attendance to the 40th Society for Neuroscience annual meeting.

Graduate Scholar, American Kinesiology Association (AKA)

Spring 2013

Recognized for outstanding academic and leadership accomplishments. Honored for the commitment to promoting and enhancing kinesiology as a unified field of study.

Media Coverage, "LSU Taichi has positive effects on Parkinson's disease"

Spring 2011

Recognized for outstanding community services and research accomplishments for older adults and individuals with Parkinson's disease.

http://www.lsu.edu/departments/gold/2013/01/taichi_research.shtml

TEACHING*Mississippi State University: Mississippi State, MS*

EP 3183	Exercise Psychology	Instructor
KI 8313	Data Interpretation	Instructor
EP 3223	Motor Development	Instructor
EP 4703	Research Method	Instructor
PE 4853	Motor Learning and Skill Analysis	Instructor

Louisiana State University: Baton Rouge, LA

KIN 3513	Introduction to Motor Learning	Instructor
KIN 4571	Neuromotor Control of Human Movement	Substitute Instructor
KIN 7603	Stress management and emotion health	Guest Instructor
Classes for Community	Modified Taichi Exercise for individuals with Parkinson's disease and Peripheral Neuropathy	Instructor
	Modified Taichi Exercise for older adults	Instructor

Capital Institute of Physical Education: Beijing, China

Pedagogic Psychology	Teaching Assistant
Experimental Psychology	Teaching Assistant
Sport psychology Measurement	Teaching Assistant

Teaching Evaluations

Term	Course	Enrollment	Evaluation
Fall 2013	KIN3513: Introduction to Motor Learning	30	4.689 / 5.0
Spring 2013	KIN3513: Introduction to Motor Learning	31	4.338 / 5.0
Fall 2012	KIN3513: Introduction to Motor Learning	36	4.399 / 5.0
Spring 2012	KIN3513: Introduction to Motor Learning	31	4.327 / 5.0
Fall 2011	KIN3513: Introduction to Motor Learning	33	4.374 / 5.0
Spring 2011	KIN3513: Introduction to Motor Learning	20	4.062 / 5.0
Spring 2011	KIN1152: Taichi (for undergraduate students)	32	4.352 / 5.0
Fall 2010	KIN1999: Taichi (for undergraduate students)	33	4.693 / 5.0
Spring 2010	KIN1152: Taichi (for undergraduate students)	25	4.665 / 5.0

PROFESSIONAL SERVICE

Reviewer: The Journal of Sports Medicine and Physical Fitness	2015
Search Committee: Biomechanics Assistant Professor Graduate Student Representative School of Kinesiology Louisiana State University: Baton Rouge, LA	Spring 2013
Search Committee: Motor development Assistant Professor Graduate Student Representative School of Kinesiology Louisiana State University: Baton Rouge, LA	Spring 2012
Volunteer: 63 rd Annual Conference of Gerontological Society of America New Orleans, LA	Fall 2010
Assistant of the sport psychologist for the National Shooting Team Beijing, China	2007 - 2008
Assistant of the sport psychologist for the National Tennis Team Beijing, China	2007 - 2008
Assistant of the sport psychologist for the National Martial Art Team Beijing, China	2006 - 2007

PROFESSIONAL AFFILIATIONS

Delta Upsilon Chapter of Sigma Phi Omega (SPO)	2009 - present
Society for Neuroscience (SfN)	2010, 2012
The International Society of Motor Control (ISMC)	2011
Gerontological Society of America (GSA)	2010