

**CURRICULUM VITA**  
**of**  
**Yong “Tai” Wang**

**1. Name: Yong “Tai” Wang**

**2. Office and Mailing Address**

**Office Address**

Dean and Professor  
College of Health Sciences and Technology  
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**3. Education**

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|----------------|---|
| Ph.D. (9/1991) | Major: Rehabilitative Biomechanics<br>University of Illinois at Urbana-Champaign, Illinois<br><b>Dissertation Title:</b> Relationship between kinematical factors and muscle activity during wheelchair propulsion. |
| M.A. (9/1987)  | Major: Biomechanics; Minor: Computer Science<br>Ball State University at Muncie, Indiana  |
| M.S. (1/1985)  | Major: Exercise Science<br>Wuhan Sports University, Wuhan, China  |
| B.S. (1/1982)  | Major: Exercise Science<br>Wuhan Sports University, Wuhan, China  |

**4. Major Accomplishments and Administration Experiences**

**01/2021-Present Dean of College of Health Sciences and Technology (CHST) at Rochester Institute of Technology (RIT)**

- The college (CHST) maintaining very good retention rate, 91.4% (1<sup>st</sup> year to the 2<sup>nd</sup> year and the University retention rate, 85.4%) and graduation rate, 86% (6 years and the University rate, 74%) in 2022 report.
- Focusing on college research effort, investing \$100,000 to support faculty research as seed funds for their pilot studies, as a results of the college research investment, the faculty in the college submitted 20 grant proposals in 2021-2022, and 7 grant proposals have been awarded

for \$9,868,308 which is three time more than the previous year and four times more than the year before.

- August Family for Human Movement Lab. which will be equipped with 3D VICON, EMG, EEG, EKG Systems, 3D Force Plates, & treadmills for our future DPT & OTD programs in Wegmans School of Health and Nutrition in the College.
- Leading the growth of the College and developing four academic programs: Global Public Health (BS), Bachelor of Science in Nursing, Doctor of Physical Therapy, and Occupational Therapy Doctor.
- Leading the College Structure Reform: Working with the College Administrative Group, Program Directors, Faculty and Staff to change the college structure from 12 Programs Oriented to 3 Departments Orientated.
- Setting the Goals of the College:
  - 1) Build a culture of trust and collaboration, and focus on faculty/staff professional development and collaboration
  - 2) Focus on student success
  - 3) Work on research/training grants and scholarship
  - 4) Fundraise for New and Existing Academic Programs
  - 5) Enhance community engagement and outreach

**07/2014-12/2020 Dean of College of Nursing and Health Sciences (CNHS) at the University of Texas at Tyler (UT Tyler):**

- Leading the College to significantly contribute to the University ranking by US News and World Report in 2020 (in terms of production of PhD students, federal research funding, graduation rate) when UT Tyler is ranked as a National University (<https://www.usnews.com/best-colleges/rankings/national-universities>).
- College of Nursing and Health Sciences building project – Under the leadership of President and Provost, led and worked with the College Task Force to prepare the talking points for our building proposal and secured \$35 million Permanent University Fund from the University Texas System in 2019 for a new College Building.
- Leading the development of Doctor of Nursing Practice (DNP) program in 2016, Master of Occupational Therapy (MOT) program in 2018, Communication Sciences and Disorders program in 2018, Master of Nursing Healthcare Informatics program and Master of Psychiatric Mental Health Nursing Practice program in 2019, and working on Master of Physician Assistant and Doctor of Physical Therapy in 2020.
- Leading the growth of Bachelor of Science in Nursing (BSN) in Summer admission in addition to the regular Fall and Spring admissions and increasing the BSN enrollment up to 50%.
- Leading the focusing on student success, we have provided more student scholarships and tutorial sessions for some difficult courses such as Anatomy & Physiology, Pathophysiology and Medical Surge, and reorganized the college academic advisory team and changed the recruitment strategies, our college average student enrollment increment is 5.7% per year and the average graduation rate increment is 12.2% per year in the past five years.
- Leading the establishment of the Institute for Integrated Healthcare, sending some faculty with great potential for external funding to NIH grant writing workshop, organizing periodic research seminars and faculty shared the grant writing, submission and awarding experiences so that our college external funding, mainly federal funding in research and training grants, has been tripled.

- Focusing on faculty scholarship and teaching enhancement, creating the College Annual Intramural Research Awards and Annual Faculty Teaching Awards and encouraging faculty to do better jobs in teaching and research so that the peer reviewed publications have been significantly increased and the teaching quality has been enhanced in the college. Our online nursing master program was ranked #5 by US News and World Report in 2018 (John Hopkins University #5 at <https://www.usnews.com/education/online-education/nursing/rankings>). Our RN-BSN online program is ranked #1 in Texas <https://www.registerednursing.org/rn-to-bsn/texas/#program-rankings>, and ranked top 25 in the nation <https://www.registerednursing.org/rn-to-bsn/#program-rankings> by the Register Nurse Organization in 2019.
- Focusing on globalization and internationalization, and recruitments of international graduate students in Nursing and Health and Kinesiology such as “MS Transfer Program”, “Face-to-Face MSN Program” and MOUs with numerous foreigner Universities.
- Developing Master of Occupational Therapy (MPT) program, Nursing Programs (BSN, MSN, DNP and PhD), Health Sciences and Kinesiology (BS in Health Sciences, Kinesiology and wellness and MS in Health Sciences and Kinesiology), and BS in Communication Science and Disorders.
- Supervising and administrating annual budget and the expenditure of college funds after the budget.
- Overseeing program evaluations, progress reports, and accreditation processes.
- Conducting annual evaluations for Associate Deans, Department Chairs, Directors of the Institute for Integrated Healthcare (IIH) and Administrative Staff.
- Overseeing faculty promotion and tenure process, and faculty professional development and teaching loads.
- Focusing on fundraising including federal, state and private foundations: The college external funding has been increased more than 3 times in the past 4 years.

**07/2011-06/2014 Director/Assistant Dean for School of Health Professions (SHP) in Byrdine F. Lewis College of Nursing and Health Professions at Georgia State University**

- Led the Doctor Physical Therapy program to regain the accreditation for another 10 years from probation in 2012.
- Led School of Health Professions and worked the Department Chairs and Program Coordinators, we increased the credit hours more than 10%, doubled the external research funding, and significantly increased the peer reviewed publications in Health Professions during 2011 and 2014.
- Supervised Nutrition, Physical Therapy, Respiratory Therapy and BIS program in the School of Health Professions at Byrdine F. Lewis College of Nursing & Health Professions, Georgia State University (GSU).
- Managed and monitored Health Professions budget, allocating and providing oversight of the department budgets and program fees.
- Oversaw program evaluations, progress reports, and accreditation processes.
- Oversaw program development and modification in Health Professions: Helped the BS Health Informatics program and led the proposal preparation of Rehabilitation Ph.D. program.
- Conducted annual evaluations for Department Heads.
- Oversaw faculty promotion and tenure process, and faculty professional development and teaching loads

- Focused on raising external funding including federal, state and private foundations: The college external funding has been doubled in the past 3 years.
- Responsible for Student Study Abroad, Advising Visiting Scholars and Development of Agreement of Cooperation between GUS and some foreign Universities.

**01/2010-01/2011 Interim Head of Department of Physical Therapy, School of Health Professions in the College of Health and Human Sciences at Georgia State University (GSU)**

- Reorganized and reshaped the Department of Physical Therapy, helping the Doctor of Physical Therapy program with four existing faculty.
- Managed Faculty teaching assignments and schedules, curriculum modifications.
- Managed Faculty recruitment, evaluation and development and managing student affairs.
- Provided a key communication link between the College administration and departmental faculty.
- Managed the budget, expenditures, maintaining accurate records and ensured sound fiscal policies and procedures.

**06/2009-03/2010 Georgia University System Executive Leadership Institute Scholar (the First Class) for Senior Leadership Training (the only faculty member in GSU in that year) selected by The President and Provost of GSU. This was a comprehensive 120-hour development program facilitated by leading experts in leadership to enhance my leadership skills to prepare for potential high-level advancement within Georgia University System.**

**01/2009-07/2010 Graduate Director of Gerontology Institute, GSU:**

- Recruited graduate students, reviewed students’ applications and managed graduate admissions
- Managed graduate theses and research projects

**Faculty Position at Different Universities**

01/2021-Present Professor of Biomedical Sciences, CHST at RIT

07/2014-12/2020 Mathis Chair Professor, School of Nursing, The University of Texas at Tyler

03/2009-06/2014 Professor, Department of Physical Therapy, The Byrdine F. Lewis School of Nursing & Health Professions, Georgia State University (GSU)

03/2005-06/2014 Faculty for jointed Rehabilitation Sciences PhD Program between Department of Physical Therapy and Department of Kinesiology and Health, GSU

08/1998-06/2014 Director of Biomechanics and Wheelchair Locomotion Research Laboratory, Division of Physical Therapy, GSU

08/1998-03/2009 Associate Professor (Tenured in 2003), Department of Physical Therapy, GSU

09/1996-08/1998 Associate Professor (Tenured in 1996), Director of Biomechanics Research Laboratory, Department of Health and Human Performance, Auburn University, Auburn, Alabama.

- 09/1991-09/1996 Assistant Professor (Tenure-Track), Director of Biomechanics Research Laboratory, Department of Health and Human Performance, Auburn University,
- 09/1988-08/1991 Instructor, Department of Kinesiology, University of Illinois, Taught Biomechanics: Analysis of Human Movement at both graduate (labs) and undergraduate levels.
- 09/1987-08/1991 Research Assistant, Department of Rehabilitation Education and Kinesiology, University of Illinois. Responsibilities included statistical analysis, computer application of computer in learning and teaching, computer simulation and modeling of human movements.
- 09/1985-09/1987 Research Assistant in Biomechanics Laboratory, Ball State University. Responsibilities included biomechanical measurement and evaluation of human movements, data analysis and computer programming.
- 01/1985-09/1985 Lecturer, Graduate School of Wuhan Sports University. Responsibilities included teaching Computer language and programming and statistics for graduate students.

## **5. Research Grant Support (Including External and Internal Funding)**

### **a. External**

#### **Research Grants Funded**

- 1) **Wang, Y. T.**, Goh, C. H., & Liao, T. (2017-2018). Wheelchair Tai Chi Ball Training Program for People with Spinal Cord Injury, for \$50,000, Paralyzed Veterans of America Educational Foundation (**Role: PI**).
- 2) **Wang, Y. T.**, Taylor, L., Limroongreungrat, W., & Chang, L. (2008-2013). Wheelchair Tai Chi Intervention and Darfish Wheelchair Skill Training, for \$406,150.00, National Institute on Disability and Rehabilitation Research for Rehabilitation (**Role: PI**), Engineering Research Center for Wheeled Mobility Center renewal grant with the Center of Assistive Technology & Environmental Access, Georgia Institute of Technology for \$4,750,000.00.
- 3) Limroongreungrat, W. & **Wang, Y. T.** (2008-2011). An online video library & feedback system for everyday transfers in the SCI population, for \$99,954.00, Paralyzed Veterans of America Educational Foundation (**Role: Co-Investigator**).
- 4) **Wang, Y. T.**, Taylor, L., Hall, C., & Chen, S. (2008-2011). Wheelchair Tai Chi Program for People with Spinal Cord Injury, (PI) for \$100,000.00, Paralyzed Veterans of America Educational Foundation (**Role: PI**).
- 5) **Wang, Y. T.**, & Limroongreungrat, W. (2007-2009). Improving transfer mobility using real-time animation training, from National Institute on Disability and Rehabilitation Research through

contract grant (two years) with the Center of Assistive Technology & Environmental Access, Georgia Institute of Technology for \$113,070.00 (**Role: PI**).

- 6) **Wang, Y. T.**, & Chang, L. S. (2007). Seated Tai Chi Intervention Program for Elderly, Program Intervention Grant for \$6,000.00 from the A. G. Rhodes Homes, Atlanta, Georgia (**Role: PI**).
- 7) **Wang, Y. T.**, Limgroongreungrat, W., & Edel, F. (2006). Design and development of EZ push wheelchair, Georgia Research Alliance for \$27,000.00 (**Role: PI**).
- 8) **Wang, Y. T.** (2006). Effects of Arm Wheeling and Leg Wheeling on Wheelchair Propulsion among Older Adults, from National Institute on Disability and Rehabilitation Research through contract grant with the Center of Assistive Technology & Environmental Access, Georgia Institute of Technology for \$20,350.00 (**Role: PI**).
- 9) Xu, T., **Wang, Y. T.**, & Wells, R. (2006). Developing a Tai Chi Rehab Model for Older Adults in the A. G. Rhodes Homes, Program Development Grant for \$13,000.00 from the A. G. Rhodes Homes (**Role: Co-Investigator**).
- 10) **Wang, Y. T.** (2004). Effects of Arm Wheeling and Leg Wheeling on Wheelchair Propulsion among Older Adults, from National Institute on Disability and Rehabilitation through contract grant with the Center of Assistive Technology & Environmental Access, Georgia Institute of Technology for \$10,497.36 (**Role: PI**).
- 11) **Wang, Y. T.**, Higbie, E. J., Warren, G., & Johnson, B. F. (2000). Evaluation of wheelchair basketball players in the 2000 Roosevelt International Basketball Camp from The Roosevelt Warm Springs Institute for Rehabilitation for \$8,500.00 (**Role: PI**).
- 12) **Wang, Y. T.**, Higbie, E., Warren, G., Johnson, B., & Pearl, M. (1999). Kinematical analysis of wheelchair propulsive technique and tennis stroke technique in the 1999 International Roosevelt Cup from The Roosevelt Warm Springs Institute for Rehabilitation for \$3,800.00.
- 13) El Gushey, H. & **Wang, Y. T.** (1997 & 1998). Doctor dissertation grant from Egyptian Cultural and Educational Bureau for \$11,500.00 (**Role: Co-Investigator**).
- 14) **Wang, Y. T.** (1996). Changes of muscle torque, balance and walking pattern in the Elderly for \$66,083.36 from American Association of Retired Persons (AARP) ANDRUS FOUNDATION (**Role: PI**).
- 15) **Wang, Y. T.** (1995). Relationship between energy expenditure and kinematical factors during wheelchair propulsion, for \$40,000.00 from National Institute on Disability and Rehabilitation Research Service, Research (NIDRR) Fellowship (**Role: PI**).
- 16) Deutsch, H., **Wang, Y. T.**, Hedrick, B., & Martin, M. (1991). Relationship between kinematical factors and muscle activity during wheelchair propulsion, for \$14,700.00 from UIUC-HINES VA Satellite Research (**Role: Co-Investigator**).

### **Research Grants Pending**

- 1) **Wang, Y. T.**, Dong, X. N., Goh, C. H., Hu, G. P., Ke. X. W., Berk, B., Dombovy, M., & Osgood, R. (2022). Tele-Health Tai Chi Ball Intervention Improving physical and mental Health of Wheelchair Users, for \$1,895,192.70, 01/01/2023 – 12/31/2026, submitted to NIH R01 Clinical Trial Required, NICHD (**Role: PI**).
- 2) **Wang, Y. T.**, Dong, X. N., Goh, C. H., Chen, S. H., & Ke. X. W. (2022). Improving Physical and Mental Health of Older Adults Through Tai Chi Ball Intervention - A Feasibility Clinical Trial, for \$684,186.00, 04/01/2023 – 03/31/2026, submitted to NIH R34 Clinical Trial, NCCIH (**Role: PI**).

### **Research Grants Not Funded**

- 1) **Wang, Y. T.**, Goh, C. H., & Dong, X. N. (2018). Development of A Robotic Walking Training Device for Individuals with Spinal Cord Injury and Disability Proposed Project period 01/01/2019 to 12/31/2020 for \$149,958, Submitted to Paralyzed Veterans of America.
- 2) Dong, X. N., **Wang, Y. T.**, Tseng, B., Goh, C. H., & Chou, S. F. (2017). Acquisition of a 3D Motion Capture System, Force Plates, and a Wireless EMG System for Multidisciplinary Research and Training in Rehabilitation, Project period 09/01/2017 to 08/31/2020 for \$323,863, submitted to NSF MRI.
- 3) **Wang, Y. T.**, Chang, L. S., & Chen, Y. P. (2010). Wheelchair transfer model training for individuals with spinal cord injury for \$222,305.00, Submitted to National Institute on Disability and Rehabilitation Research.
- 4) **Wang, Y., T.**, Taylor, L., Hall, C., & Chen, S (2007). Effects of wheelchair Tai Chi on physical and mental health of individuals with spinal cord injury, (two years) for \$14,999.00, submitted Paralyzed Veterans of America.
- 5) **Wang, Y., T.**, Taylor, L., Xu, T., & Yong, Y. (2006). Effects of seated and standing Tai Chi on older adults with osteoarthritis, (three years) for \$327,375.00, submitted to The National Center for Complementary and Alternative Medicine in NIH.

### **b. Internal grant funded (Including Research and Development)**

- 1) **Wang, Y. T.**, Taylor, L., Michael, D., Donnelly, J., Bull, J., & Fabrizio, P. (2008). Collaboration in Alternative Medicine, Physical Therapy, Rehabilitation and Sports Medicine with Chinese Medicine Schools and Sports Medicine Institutes, from Georgia State University for \$6,000.00 (**Role: PI**).
- 2) **Wang, Y. T.** (2004). Development of A New Push Handle Wheelchair from College of Health & Human Science, Georgia State University for \$5,000.00 (**Role: PI**).

- 3) **Wang, Y. T.**, Taylor, L., Li, Q., & Pearl, M. (2003). International Strategic Initiative Grant for Alternative Medicine from Georgia State University for \$7,000.00 (**Role: PI**).
- 4) **Wang, Y. T.** (2001). Measurement of joint reaction forces and muscle moments during two speeds of wheelchair propulsion --- a pilot study from Georgia State University Research Initiation Grant for \$9,000.00 (**Role: PI**).
- 5) **Wang, Y. T.** (2001). Developing a new web-enhanced course ----- PT 3660/PT7660 Complementary and Alternative Therapies from College of Health & Human Science, Georgia State University for \$6,100.00 (**Role: PI**).
- 6) **Wang, Y. T.**, & Johnson, B. F. (2000). Biomechanics modeling in wheelchair transfer from Georgia State University QIF Grant for \$16,285.00 (**Role: PI**).
- 7) **Wang, Y. T.**, & Higbie, E. (1998). Joint reaction forces, muscle moments and movement patterns in wheelchair transfer from College of Health & Human Science, Georgia State University for \$5,000.00 (**Role: PI**).
- 8) **Wang, Y. T.** (1992). Relationship between mechanical features and muscle activity during wheelchair transferring, for \$3,000.00 from Research Grant-in-Aid, Auburn University (**Role: PI**).
- 9) **Wang, Y. T.**, & Deutsch, H. (1988). A computer learning module --- Vector program, for \$600.00 from College ALS Dean's Set-Aside Fund, University of Illinois at Urbana-Champaign (**Role: PI**).

## 6. Other Professional Experience

### Areas of Specialization

My research interests focus on biomechanics of rehabilitation: including three dimensional kinematical and kinetic analyses of wheelchair locomotion, neuromuscular function in wheelchair locomotion and rehabilitation; biomechanical analyses of gait with load, types of shoes and orthotics, and the analyses of gait, balance and muscle strength for the elderly and patient population; and examining the effects of Tai Chi, Wheelchair Tai Chi and Tai Chi Ball exercises on physical and psychosocial functions for different populations including elderly and spinal cord injury patients.

As a PI, I have secured approximately one million dollars in external, mainly federal funding to support my research work. My research projects have been funded by National Institute on Disability and Rehabilitation Research, Paralyzed Veterans of America, American Association of Retired Persons, Georgia Research Alliance and other private foundations. I have had more than 60 full-length refereed journal publications, more than 90 proceedings and abstracts published in refereed journals and more than 100 presentations at national/international scientific conferences.

### Personal Invention



I designed and developed Yong Tai Chi Ball (YTCB) which combines mind-body exercise with strength training. This YTCB is designed based on Yin and Yang theory so that the ball can be separated into two parts (Yin and Yang) and combined as a whole during the exercise. This designed ball will be used in Tai Chi Ball 12 Forms - a therapeutic and rehabilitative exercise. The patent application has been approved by US Patent and Trademark Office on September 8, 2020 ([Patent No. 10765905](#)).

I designed and developed an EZ Push Wheelchair, a patent application was filed by Georgia State University in 2007 (US Utility patent: Pub. No.: [US2008/0179855A1](#); Pub. Date: July 31, 2008), this designed wheelchair has more anatomical and mechanical advantages with comparison to the conventional wheelchair, is operated by one hand or two hands and is suitable for stroke patients and/or elderly wheelchair users.

## 7. Professional Certificate(s) and Licensure

Certificate of Writing for Research Intensive Training Engagement Workshop in 2014

Certificate of Executive Leadership Institute in the University System of Georgia in 2009-2010

Certificate of SPSS Applications in 2008

Certificate of Acupuncture/Acupressure in 2001.

Certificate of Alternative Healing in 2000.

Certificate of Personal Computer Repairs in 1998.

## 8. Courses Taught (at both graduate and undergraduate levels)

### a. At the University of Texas at Tyler

#### Graduate level

Graduate student dissertation/thesis and research work

OCTH 5320 Contextual Movement for Occupational Therapists

#### Undergraduate level

KINE 1201-001 Tai Chi as A Therapeutic Exercise

### b. At Georgia State University

#### Graduate level:

HHS 6000 Research Methods in Health Professions (**newly modified**)

HHS 7200 Health and Older Adult – (Gerontology course)

HHS 7000 Clinical Application of Statistical Methods (**newly modified**)

HHS 7000 Biostatistics and Epidemiology

PT 7625 Movement Science II (**newly developed**)

PT 7615 Movement Science I (**newly developed**)

PT 6010 Mechanical Kinesiology (**newly modified**)

PT 6310 Clinical Application II

PT 7140 Tai Chi as A Therapeutic Exercise (**newly developed**)

PT 7660 Complementary & Alternative Therapies (**newly developed**)  
PT 7481 Rehabilitative Biomechanics (**newly developed**)  
PT 7482 Rehabilitative Biomechanics Laboratory (**newly developed**)  
PT 7950 Applied Kinesiology & Biomechanics (**newly developed**)  
PT 8900 Modeling & Simulation of Human Movement (**newly developed**)  
PT 8932 Complementary & Alternative Medicine (**newly developed**)  
PT 7990 Research Seminar

Undergraduate level

HHS 4200 Health and Older Adult  
PT 4130 Tai Chi as A Therapeutic Exercise (**newly developed**)  
PT 3660 Complementary & Alternative Therapies (**newly developed**)

c. At Auburn University

Graduate level:

HHP 614 Principles of Biomechanics  
HHP 616 Biomechanics of Injury and Rehabilitation  
HHP 617 Laboratory Techniques in Biomechanics  
HHP 650 Applications of Computer in Kinesiology  
HHP 715 Three-dimensional Analysis of Human Movement  
HHP 750 Biomechanics Seminar (with different topics)

Undergraduate level:

HHP 100 Fundamentals of Movements  
HHP 315 Kinesiology --- Biomechanical Analysis of Human Movement

## 9. Publications

### **Refereed Journal Full Length Articles Published**

- 1) Chang, L. S., Ke, X. W., Limroongreungrat, W. & **Wang, Y. T.** (2022). Relationship between shoulder pain and joint reaction forces and muscle moments during 2 speeds of wheelchair Propulsion, Journal Applied Biomechanics (in press), (**Corresponding Author**).
- 2) Chen, S., Zhang, Y., Zhao, M., Du, X., **Wang, Y. T.** & Liu, X. (2022). Effects of Therapeutic Horseback-Riding Program on Social and Communication Skills in Children with Autism Spectrum Disorder: A Systematic Review and Meta-Analysis, International Journal of Environmental Research and Public Health, 19, 1-13, <https://doi.org/10.3390/ijerph192114449>.
- 3) Liao, T., Ke, X. W., & **Wang, Y. T.** (2022). Wheelchair Tai Chi Ball Exercise for Improving Neuromuscular Functions of Older Adults with Disability, Frontiers in Aging Neuroscience, 14, 1-6, DOI: 10.3389/fnagi.2022.935986, (**Corresponding Author**).
- 4) Liao, T., Duhig, S. J., Du, G., Luo, B., & Wang, Y. T. (2022). The Effect of a Functional Strength Training Intervention on Movement Quality and Physical Fitness in Adolescents. Perceptual and Motor Skills, 129(1):176-194, (**Corresponding Author**).

- 5) Zhao, M., You, Y., Chen, S., Li, L., Du, X. & **Wang, Y. T.** (2021). Effects of a Web-Based Parent–Child Physical Activity Program on Mental Health in Parents of Children with ASD. Int. J. Environ. Res. Public Health, 18, 12913. <https://doi.org/10.3390/>.
- 6) Zhao, M., Chen S., You, Y., Wang, Y. T. & Zhang, Y. (2021). Effects of a Therapeutic Horseback Riding Program on Social Interaction and Communication in Children with Autism, International Journal of Environmental Research and Public Health, 18, 2656. <https://doi.org/10.3390/ijerph18052656>.
- 7) Cheng, L., Yang, T., Ma, X., Han Y. & **Wang, Y. T.** (2021). Effectiveness and Safety Studies of Omalizumab in Children and Adolescents with Moderate-To-Severe Asthma. Journal of Pharmacy Practice, 0(0): 1-13, [DOI: 10.1177/08971900211038251](https://doi.org/10.1177/08971900211038251).
- 8) Li, L., Dong, F. & **Wang, Y. T.** (2020). Relationship among oxygen saturation, heart rate, and acute mountain sickness in mountaineering at very high altitudes for 5 days, Medicina dello Sport, September, 73(3): 373-382, [DOI: 10.23736/S0025-7826.20.03737-0](https://doi.org/10.23736/S0025-7826.20.03737-0). (**Corresponding Author**).
- 9) **Wang, Y. T.**, Goh, C. H., Ting Liao, T., Dong, X. N., Duke, G., Alfred, D., Yang, Y., Jingle Xu, J. & Yu, S. (2020) Effects of wheelchair Tai Chi ball exercise on physical and mental health and functional abilities among elderly with physical disability, Research in Sports Medicine, [DOI: 10.1080/15438627.2020.1777553](https://doi.org/10.1080/15438627.2020.1777553), June, 2020, 1-14.
- 10) Chen, S., Zhang, Y., **Wang, Y. T.**, Liu, X., Song, X. & Du, X. (2020). The Effect of Qigong-based Therapy on Patients with Parkinson’s Disease: A Systematic Review and Meta-analysis. Clinical Rehabilitation, <https://doi.org/10.1177/0269215520946695>, July 2020, 1-13.
- 11) Murley, B., Haas, B. K., Hermanns, M., **Wang, Y. T.** & Stocks, E. (2019). Influence of Tai Chi on Self-Efficacy, Quality of Life, and Fatigue Among Patients with Cancer Receiving Chemotherapy: A Pilot Study Brief, Journal of Holistic Nursing, 37(4):089801011986755, DOI, August 2019.
- 12) Liao, T., Li, L., & **Wang, Y. T.** (2019). Effects of a Functional Strength Training Program on Movement Quality and Fitness Performance among Girls Aged 12-13, Journal of Strength and Conditioning Research, 33(5): 1380–1393. (**Corresponding Author**).
- 13) Li, L., Ru, A., Liao, T., Zou, S., Niu, X. H. & **Wang, Y. T.** (2018). Effects of Rock Climbing Exercise on Physical Fitness among College Students: A Meta-analysis, Iranian J Public Health, Vol. 47, No.10, Oct 2018, pp.1440-1452. (<http://ijph.tums.ac.ir/index.php/ijph/issue/view/463>, (**Corresponding Author**).
- 14) Hermanns, M. L., Haas, B. K., Brittany Murley, B., Arce-Esquivel, A., Ballard, J. E., Roth, L. & **Wang, Y. T.** (2018). Impact of Tai Chi on Peripheral Neuropathy Revisited: A Mixed Methods Study, Gerontology and Geriatric Medicine, 10.1177/2333721418819532), 1–9.
- 15) Ganokroj, P., Limroongreungrat, W., Kerdsonnuek, P., Riansuwan, K., Keyurapan, E., **Wang, Y. T.** & Vanadurongwan, B. (2018). Does flooring-type change the gait characteristics of the

older adult? Analysis of balance and temporal-spatial gait parameters and ground reaction force, Ageing Science & Mental Health Studies, 2(3):1-8.

- 16) Arce-Esquivel, A, Haas, B. K., Hermanns, M. L., Ballard, J. E., Rizer, C. A., Gary T. Kimmel, G. I., & **Wang, Y. T.** (2018). Effects of Tai Chi Training on Muscle Strength, Mobility, and Quality of Life in Patients with Peripheral Neuropathy. International Journal of Research Studies in Medical and Health Sciences, 3(10):35-43.
- 17) **Wang, Y. T.**, Huang, G., Duke, G. & Yang, Y. (2017). Tai Chi, Yoga, and Qigong as Mind-Body, Evidence-Based Complementary and Alternative Medicine, Volume 2017 (2017), Article ID 8763915, 1, <https://doi.org/10.1155/2017/8763915> (Lead Editor for a Special Issue).
- 18) **Wang, Y. T.**, Li, Z. H., Yang, Y., Zhong, Y. P., Lee, S. Y., Chen, S. H., & Chen, Y. P. (2016). Effects of Wheelchair Tai Chi on Physical and Mental Health among Elderly with Disability, International Journal of Research in Sports Medicine, 24(3), 157-170.
- 19) Liu, X. L., Chen, S. H., & **Wang, Y. T.** (2016). Effects of Health Qigong Exercises on Relieving Symptoms of Parkinson’s Disease, Evidence-Based Complementary and Alternative Medicine, Article ID 5935782, 11 pages, <http://dx.doi.org/10.1155/2016/5935782>
- 20) Chen, S., Zhang, Y., **Wang, Y. T.**, Liu, X. L. (2016). Traditional Chinese Mind and Body Exercises for Promoting Balance Ability of Old Adults: A Systematic Review and Meta-Analysis, Evidence-Based Complementary and Alternative Medicine, Article ID 7137362, 9 pages, <http://dx.doi.org/10.1155/2016/7137362>
- 21) Fenter, B., Marzilli, T. S., **Wang, Y. T.**, & Dong, X. N. (2016). Effect of a Three-set Tennis Math on Knee Kinematics and Leg Muscle Activation during The Tennis Serve. Perceptual and Motor Skills, 2016 Oct 12, <http://doi:10.1177/0031512516672773>.
- 22) Geil, M. D., Wasco, K. J., Wu, J., Coutler, C., Safaeepour, Z., & **Wang, Y. T.** (2016). A Pilot Investigation of the Effect of Postural Control Strategies and Balance in Children with Unilateral Lower-Limb Amputation, Journal of Prosthet Orthotists, 28(4), 180-185.
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- 2) Anthony, J., Goh, C. H., **Wang, Y. T.** (2022). Redesign of leg assembly and implementation of reinforcement learning for robotic walking training device, Journal of Mechanical Science and Technology.

#### **Book Chapters**

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- 76) Blessing, D. L., Gravelle, B. L., **Wang, Y. T.**, & Kim, C. K. (1995). The influence of co-activation on the adaptive response to concurrent strength and endurance training in women, Medicine & Science in Sports & Exercise, Vol. 27, No. 5, S195.



- 77) **Wang, Y. T.**, Deutsch, H., & Moeinzadeh, M. (1995). Muscle activity timing patterns during wheelchair propulsion --- Across speed conditions, Research Quarterly for Exercise and Sport, Vol. 66, A16.
- 78) Pascoe, D. E., Shin, D., Kim, C., **Wang, Y. T.**, & Pascoe, D. D. (1994). Impact of book bags on gait cycle and posture, Medicine & Science in Sports & Exercise, Vol. 26, No. 5, S140.
- 79) **Wang, Y. T.**, Pascoe, D., Farrar, V. & T. Ford T. III. (1993). Relationship between heel heights and force patterns in normal walking, Medicine & Science in Sports & Exercise, Vol. 25, No. 5, S116.
- 80) **Wang, Y. T.**, Dali, X., Hedrick, B., Adrian, M. & Morse, M. (1989). 3-D kinematic analysis of wheelchair propulsion --- across racing speed conditions, Journal of Biomechanics, Vol. 23, No. 7, 732.

## **10. Scholar Activities with Students**

### **a. Student Research Funding (faculty sponsored/directed)**

Limroongreugrat, W. (2008). Real-time video wheelchair training for spinal cord injury patients. (two years) for \$99,960.00, Foundation of Paralyzed Veterans of America.

**Wang, Y. T.**, & Chang, L. S. (2007). Seated Tai Chi Intervention Program for Elderly, Program Intervention Grant for \$6,000.00 from the A. G. Rhodes Homes, Atlanta, Georgia.

El Gushey, H. & **Wang, Y. T.** (1997 & 1998). Doctor dissertation grant from Egyptian Cultural and Educational Bureau for \$11,500.00.

Williams, C., **Wang, Y. T.**, & Zuk, G. (1998). A strength training program for wheelchair bound disabled from Auburn University for \$6,000.00.

### **b. Student Awards (faculty sponsored/directed activity)**

Wendi Weimar received Outstanding Graduate Students Award in the Department of Health & Human Performance, Auburn University in 1998

Dino Vrongistinos received Outstanding Ph.D. Student Award in the College of Education, Auburn University in 1997.

Chris Williams received Auburn University President Award in 1996.

### **c. Post-Doctors and Dissertation Committees**

#### **Advised the following (15) post-doctors/visiting scholars:**

Dr. Peng Liu, from Shandong Sports University, China, 2019

Dr. Xueling Zhang, from Zhangzhou University, College of Physical Education, China 2018-19  
Dr. Ting Liao, from Wuhan Sports University, China, 2016-17  
Dr. An Ru, from Shandong Sports University, China, 2016-17  
Dr. Yu-Hua Gao, from Guanzhou Sports University, China, 2015-16  
Dr. Zongzhen Mao, from Wuhan Sports University, China, 2013  
Dr. Shan-Yu Su, from China Medical University in Taiwan, 2013  
Dr. Wen Liao, from Hebei University, China, 2011  
Dr. Zhanghua Li, from Wuhan University, China, 2010-2011  
Dr. Li-Shan Chang, from Georgia State University, USA 2010-2012  
Dr. Weerawat Limroongreugrat, from Georgia State University, USA 2009-2011  
Dr. Dali Xu, from University of Illinois at Urbana-Champaign, USA 2007-2008  
Dr. Chang Kim, from Korea University, Korea 1993-1994

**Chaired dissertation committees for the following (14) Ph.D. students:**

Xiang (Julia) Ke, Ph.D. 2014  
Dangyang Li, Ph.D. 2010  
Li-Shan Chang, Ph.D. 2009  
Brad Hodgson, Ph.D. 2006  
Stephen Cobb, Ph.D. 2004  
Cindy LaPorte, Ph.D. 2001  
Dino Vrongistinos, Ph.D. 2001  
Charlie Shin, Ph.D. 2000  
Wendi Weimar, Ph.D. 2000  
Chris Williams, Ph.D. 2000  
Hemshan El Gushey, Ph.D. 1999  
Tom Ford III, Ph.D. 1999  
Rafael Escamilla, Ph.D. 1995  
Bill Barfield, Ph.D. 1993

**Committee member of dissertation committees for the following (14) Ph.D. & DHS Students:**

Brittany Murley, Ph.D. 2018  
Sheila Donnell, Ph.D. 2017  
Hsin-Chen Daniel, Ph.D. 2013  
Toyin Ajisafe, Ph.D. 2011  
Weerawat Limroongreugrat, Ph.D. 2008  
Kim Lee, DHS 2007  
Mile Hales, Ph.D. 2003  
Rodney Imamura, PhD. 2002  
Wei-wen Gong, Ph.D. 1999  
Craig Evers, Ph.D. 1998  
Wan Xiang Yao, Ph.D. 1997  
Michael Butler, Ph.D. 1996  
Timothy Loomis, Ph.D. 1996  
Rodney Rutland, Ph.D. 1995

**d. Thesis Committees**

**Chaired thesis committees for the following (12) MS/MA students:**

Yin Wu, MA 2012  
Abhinandan Batra, MA 2010  
Nid Rees, MA 2009  
Margie Sulpy, MA 2009  
Li-Shan Chang, MS 2004  
Amisha Gudibanda, MS 2003  
Genevieve Abi-Sarki, MS 2001  
Noah Wasielewski, MS 1997  
Stephanie Jasper, MS 1997  
Bill Bullock, MS 1996t  
Jill Martin, MS 1995  
Casey Carter, MS 1994

**Committee member of thesis committees for the following (16) MS Students**

Christiana Milone, MS 2010  
Kevin Wasco, MS 2008  
Tonya Nicole Cooksey, MA 2008  
Zhen Guo, MS 2008  
Huali Qin, MS 2007  
Meghana Patil, MS 2004  
Kari Beard, MS 2003  
Marci Floershein, MS 2003  
Aagnya Shroff, MS 2002  
Wen-ling Wang, MS 2000  
Yoshi Iwasads, MS 1999  
Elana Levine, MS 1999  
Arnold Daniel Vickers, MS 1995  
Martin Short, MS 1994  
Regina Moses, MS 1994  
Todd Ziegler, MS 1993

**e. Other Student or Honors Projects**

Gwenyth Johnson, Master Project, 2008  
Stephanie Leake, Master Project, 2006  
Ann Dunaway, Master Project, 2006  
Guide MPT/DPT students’ research projects in 2000, 2001, 2002, 2003, 2004, 2005, 2006, 2007, 2008 and 2009.

**f. Other Contributions to Student Accomplishments**

I always help the students outside of the department for some data collection in our biomechanics research laboratory and for their data analysis in statistics since I used to teach Biostatistics and Epidemiology for the College of Health & Human Science.

### 11. Presented Papers and Posters at National/International Conferences/Annual Meetings

- 1) **Wang, Y. T., a Keynote Speaker**, (2019). Popular Rehabilitation Professions and Future Rehabilitation Research in USA, 2019 Sino-US International Conference on Health Sciences and Medical Education, Dec. 8-9. Wuhan, Hubei, China.
- 2) **Wang, Y. T., a Keynote Speaker**, (2019). Applications of Wheelchair Tai Chi and Tai Chi Ball in Rehabilitation. Chinese Rehabilitation Medical Association the 2<sup>nd</sup> Annual Meeting on Community Rehabilitation, Sept. 28-31, Yantai, Shandong, China.
- 3) Yu, S., Xu, J., Bridgeman, T., Craft, C., Duke, G., Sass, S, Dong, X. N., & **Wang, Y. T.** (2019). Effects of Yoga and Tai Chi on Mental Health, Pain, and Balance in College Students. The 2019 Annual Meeting of the American College of Sports Medicine, May 28 – June 1, Orlando, Florida.
- 4) Xu, J., Shiqi Yu, Chung-Hyun Goh, C. H., Ting Liao, T., Dong, X. N., Duke, G., Danita Alfred, D., & **Wang, Y. T.** (2019). Effect of Wheelchair Tai Chi Ball Exercise on Physical & Mental Health among Elderly. The 2019 Annual Meeting of the American College of Sports Medicine, May 28 – June 1, Orlando, Florida.
- 5) Arce-Esquivel, A. A., Ballard, J. E., Hermanns, M. L., Rath, L. R., Murley, B., & **Wang, Y. T.**, Haas, B. K. (2018). Long-term Effects of Tai Chi on Muscle Strength and Physical Function in Patients with Peripheral Neuropathy. The 2018 Annual Meeting of the American College of Sports Medicine, May 29 – June 2, Minneapolis, Minnesota.
- 6) Ding, M., Ding, M., Yi, X., Chen, X., Dong, X., Chao, M., & **Wang, Y. T.** (2018). Less Qigong exercise for Chronic Obstructive Pulmonary Disease Rehabilitation A Randomized Controlled Trial. The 2018 Annual Meeting of the American College of Sports Medicine, May 29 – June 2, Minneapolis, Minnesota.
- 7) Yi, X., Ding, M., Huang, S., Zhang, L., Chen, W., Yi, N., Zhang, P., & **Wang, Y. T.** (2018). Weight Status, Physical Fitness & Health-related Quality of Life Among Chinese Adolescents. The 2018 Annual Meeting of the American College of Sports Medicine, May 29 – June 2, Minneapolis, Minnesota.
- 8) Li, L., Ru, A., Liao, T., Zou, S., Niu, X. H., & **Wang, Y. T.** (2018). Effects Of Rock Climbing Exercise on Physical Fitness Among College Students: A Meta-Analysis. The 2018 Annual Meeting of the American College of Sports Medicine, May 29 – June 2, Minneapolis, Minnesota.
- 9) Yi, X., Gao, D., Gao, Z., **Wang, Y. T.**, Yu, Z., Meng, K., Guo, X., & Yan, J. (2018). Smartphone Application to Home-based Exercise on Psychological Wellbeing and Physical

Functioning for Breast Cancer Survivors. Meeting of the American College of Sports Medicine, May 29 – June 2, Minneapolis, Minnesota.

- 10) Yi, N., Meng, K., Wang, Y. T., Guo, X., Yi, X., & Gao, X. (2017). Effectiveness of Multi-component Exercise On Physiological Function Among Older Adults With Diabetes and Hypertension. Meeting of the American College of Sports Medicine, May 30 – June 3, Denver, Colorado.
- 11) Liao, T., Zhang, H. M., Li, G., **Wang, Y. T.** (2017). Effectiveness of a Functional Strength Training Program on Fitness Performance among Boys Aged 13-14 Years. Meeting of the American College of Sports Medicine, May 30 – June 3, Denver, Colorado.
- 12) **Wang, Y. T.**, Yuan, X., Gao, Y., & Dong, X. N. (2016). Risk Factors of Anterior Cruciate Ligament Injury in Anthropometry: A Meta-Analysis. The 2016 Annual Meeting of the American College of Sports Medicine, May 31 – June 4, Boston, Massachusetts.
- 13) Gao, Y., Zhu, Z., & **Wang, Y. T.** (2016). Investigation of Physical Activity levels of 3-5 Year-Old Children in Guangzhou, China. The 2016 Annual Meeting of the American College of Sports Medicine, May 31 – June 4, Boston, Massachusetts.
- 14) Arce-Esquivel, A. A., Ballard, J. E., Haas, B. K., Melinda, L. H., Kimmel, G. T., & **Wang, Y. T.** (2016). Effect of Tai Chi on Vascular Function among Peripheral Neuropathy Patients. The 2016 Annual Meeting of the American College of Sports Medicine, May 31 – June 4, Boston, Massachusetts.
- 15) Ballard, J. E., Arce-Esquivel, A. A., Haas, B. K., Melinda, L. H., Kimmel, G. T., & **Wang, Y. T.** (2016). Tai Chi Exercise on Muscle Strength and Physical Function in Peripheral Neuropathy Patients. The 2016 Annual Meeting of the American College of Sports Medicine, May 31 – June 4, Boston, Massachusetts.
- 16) **Wang, Y. T., a Keynote Speaker**, (2015). Bionic rehabilitation in the US. West China International Forum on Rehabilitation Medicine, Dec. 15-20, Chengdu, Sichuan, China.
- 17) **Wang, Y. T., a Keynote Speaker**, (2015). Immediate video feedback on wheelchair skill Training for persons with spinal cord injury. West China International Forum on Rehabilitation Medicine, Dec. 15-20, Chengdu, Sichuan, China.
- 18) **Wang, Y. T., a Keynote Speaker**, (2015). Application processing of faculty promotion and Tenure in the US. Kunming Conference on Rehabilitation Medicine, Dec. 19-23, Kunming, Yunnan, China.
- 19) **Wang, Y. T., a Keynote Speaker**, (2015). Introduction of a US PT Curriculum. Kunming Conference on Rehabilitation Medicine, Dec. 19-23, Kunming, Yunnan, China.

- 20) Wu, Y., **Wang, Y. T.**, Burgess, E. O., & Wu, J. (2013). Effect of Tai Chi Exercise on Cognitive Function in Older Adults: A Meta-Analysis, The 2013 Annual Meeting of the American College of Sports Medicine, May 28 – June 2, Indianapolis, Indiana.
- 21) Golay, A., Blonshine, L., Cartiaux, C., Turnipseed, C., Lombardo, Z., & **Wang, Y. T.** (2013). Muscle Timing Patterns and Joint Kinematics in Closed Chain Exercise: Dash-bike versus Conventional Ergometer, The 2013 Annual Meeting of the American College of Sports Medicine, May 28 – June 2, Indianapolis, Indiana.
- 22) Ke, X., Zhong, Y., Liu, P., & **Wang, Y. T.** (2013). Shoulder Joint Reaction Forces During Wheelchair Propulsion With Arms and Arm-legs By The Elderly, The 2013 Annual Meeting of the American College of Sports Medicine, May 28 – June 2, Indianapolis, Indiana.
- 23) **Wang, Y. T.** (2012). Role of Physical Therapy in Sports, Exercise and Health, The 11<sup>th</sup> Annual Conference of the Society of Chinese Scholars on Exercise Physiology and Fitness. Nov. 3-4, Shanghai, China (Keynote Speaker).
- 24) **Wang, Y. T.** (2012). The Role of Physical Rehabilitation in Sports and Public Health, The 12<sup>th</sup> Asian Adapted Physical Education and Exercise Symposium, Aug. 9-11, Hong Kong, China (Keynote Speaker).
- 25) Dietzel, K., FitzGerald, K., Hanks, M., Kittiko, R., Lam, J., Martinez, S., Strauss, K, Ke, X., & **Wang, Y. T.** (2012). Effect of Wheelchair Tai Chi Intervention on Physical Health among Elderly with Disability, The 2012 Annual Meeting of the American College of Sports Medicine, May 29 – June 2, San Francisco, California.
- 26) Ke, X., Chang, L. S., Nemeth, M., Batra, A., Limroongreungrat, W., & **Wang, Y. T.** (2012). Video Feedback on Advanced Wheelchair Skills Training for Individuals with Spinal Cord Injury, The 2012 Annual Meeting of the American College of Sports Medicine, May 29 – June 2, San Francisco, California.
- 27) Batra, A., **Wang, Y. T.**, Burgess, E., & Pearman, A. (2012). Comparative Study of The Effects of Tai Chi And Strength Training on Osteoarthritis in Older Adults, The 2012 Annual Meeting of the American College of Sports Medicine, May 29 – June 2, San Francisco, California.
- 28) Fox, T., Dyer, L., Mathew, J., Van Camp, K., Ke, X., Hall, C. & **Wang, Y. T.** (2011). Effects of Wheelchair Tai Chi on Selected Physical Functional Abilities for Individuals with SCI. Medicine & Science in Sports & Exercise. 43(5):280.
- 29) Limroongreungrat, W., Sutthajinda, P., Tongaim, R., & **Wang, Y. T.** (2010). Muscle Activation Patterns of during a Straight Punch of Young Thai National Amateur Boxers. The 2010 Annual Meeting of the American College of Sports Medicine, June 2 – 5, Baltimore, Maryland.
- 30) Chang, L., **Wang, Y. T.**, Tis, L., Geil, M., & Shapiro, D. (2010). Effects of Two Stroke Patterns on Upper Extremity Kinematics in Wheelchair Propulsion. The 2010 Annual Meeting of the American College of Sports Medicine, June 2 – 5, Baltimore, Maryland.

- 31) Mingkumlert, S., Vanasant, T., Limroongreungrat, W., Chanchaiyakul, R., & **Wang, Y. T.** (2010). Effect of Core Strength and Stability Training on The X-factor Stretch In Amateur Golfers. The 2010 Annual Meeting of the American College of Sports Medicine, June 2 – 5, Baltimore, Maryland.
- 32) Gao, F., Chen, S., Chang, L., Ke, X., & **Wang, Y. T.** (2010). Kinematic Features of Wheelchair Propulsion of Elite Chinese National Wheelchair Racers. The 2010 Annual Meeting of the American College of Sports Medicine, June 2 – 5, Baltimore, Maryland.
- 33) Chang, L., Limroongreungrat, W., Zhong, Y., & **Wang, Y. T.** (2009). Effect of Segmental Velocity Increments on Maximum Wheelchair Racing Speed. The 2009 Annual Meeting of the American College of Sports Medicine, May 27 – 30, Seattle, Washington.
- 34) **Wang, Y. T.**, & Chen, S (2009). Tai Chi for Rehab: A Biomechanical/Physical therapy Perspective. 2009 AAHPERD National Convention and Exposition, March 30 – April 3. Tampa, Florida,
- 35) **Wang, Y. T.**, Chang, L., & Limroongreungrat, W. (2008). Application of biomechanics in physical therapy. The 2008 International Sports Biomechanics Symposium, (keynote speaker) July 30 – 31, Guangzhou, China.
- 36) **Wang, Y. T.**, Bernard, R., Cope, C., Chang, L., Limroongreungrat, W. & Sprigle, S. (2008). Fundamental Locomotive Activity Time Efficiency with Differently Positioning Drive-Axis Wheelchairs Among Elderly. The 2008 Annual Meeting of the American College of Sports Medicine, May 28 – 31, Indianapolis, Indiana.
- 37) **Wang, Y. T.**, Taylor, L., Chang, L., & Xu, T (2007). Effects of seated Tai Chi exercise on joint pain and range of motion among older adults, The 2007 Annual Meeting of the American College of Sports Medicine, May 30 – June 2, New Orleans, Louisiana.
- 38) Chang, L., **Wang, Y. T.**, & Limroongreungrat, W. (2007). Relationship between shoulder kinetics and shoulder pain during two speeds of wheelchair propulsion, The 2007 Annual Meeting of the American College of Sports Medicine, May 30 – June 2, New Orleans, Louisiana.
- 39) Soong, P. X., **Wang, Y. T.**, & Frederick, M. D., (2007). An investigation of the required minimum training intensity for improving cardiovascular fitness for Singapore Children, The 2007 Annual Meeting of the American College of Sports Medicine, May 30 – June 2, New Orleans, Louisiana.
- 40) Limroongreungrat W., Wang, Y. T., Geil, M. D., Johnson, J. T., Johnson, B. F., & Chang, L. (2007). Comparisons of three-dimensional pushrim forces during three racing speeds of wheelchair propulsion, The 2007 Annual Meeting of the American College of Sports Medicine, May 30 – June 2, New Orleans, Louisiana.

- 41) **Wang, Y. T.**, McSween, L. A., Harris, J. K., Limroongreugrat, W. & Chang, L. S. (2006). Comparison of simulated driving reaction times between younger and older adults, 2006 AAHPERD National Convention and Exposition, April 25-29, Salt Lake City, Utah.
- 42) Limroongreugrat, W., **Wang, Y. T.**, Edel, F., & Cobb, S. (2006). Instrumented wheel system for measuring pushrim forces during racing wheelchair propulsion, 2006 AAHPERD National Convention and Exposition, April 25-29, Salt Lake City, Utah.
- 43) Ford, T. III, **Wang, Y. T.**, Scharff-Olson, M. R., & Williford, H. (2005). Emg analysis of muscle firing patterns at the shoulder and elbow during the volleyball serve, The 2005 Annual Meeting of the American College of Sports Medicine, June 1-4, Nashville, Tennessee.
- 44) **Wang, Y. T.**, Patil, M. P., Higbie, E. Tis, L., & Xu, D. (2005). An approach to measure tibial movements in human locomotion: A technical note, The 2005 Annual Meeting of the American College of Sports Medicine, June 1-4, Nashville, Tennessee
- 45) Yuan, Y., Soong, P., & **Wang, Y. T.** (2005). Effects of restricted blood flow and training on muscular antioxidant ability in speed skating athletes, The 2005 Annual Meeting of the American College of Sports Medicine, June 1-4, Nashville, Tennessee.
- 46) **Wang, Y. T.**, & Pearl, M. J. (2004). Seated Tai Chi Quan as an optional exercise, The 2004 Georgia Association for Health, Physical Education, Recreation and Dance, September, 24, Athens, Georgia.
- 47) **Wang, Y. T.**, & Gudibanda, A., Higbie, E., Tis, L. & Xu, D. (2004). Angular kinematics of an ankle stabilizing orthosis during forward and sideward lateral cutting, The 2004 Annual Meeting of the American College of Sports Medicine, June 2-5, Indianapolis, Indiana.
- 48) **Wang, Y. T.** (2004). Seated Tai Chi Quan, The 2004 Clinical Educator's Institute, April, 30<sup>th</sup> at North Georgia College & State University and Georgia State University, Dahlonega, Georgia.
- 49) **Wang, Y. T.**, Li, Q., Xu, D., & Vrongistinos, K. D. (2004). Consistency of the cycle-movement pattern and maximum angular velocity during wheelchair racing, 2004 AAHPERD National Convention and Exposition, March 30-April 3, New Orleans, Louisiana.
- 50) **Wang, Y. T.**, Chang, L. S. (2004). Wheelchair propulsion and injury prevention, 2004 AAHPERD National Convention and Exposition, March 30-April 3, New Orleans, Louisiana.
- 51) **Wang, Y. T.**, Chen, S., Liu, J. (2004). Chair Tai Chi Chuan as an optional exercise, 2004 AAHPERD National Convention and Exposition, March 30-April 3, New Orleans, Louisiana.
- 52) **Wang, Y. T.** (2004). Seated Tai Chi Quan Course for Physical Therapy Association of Georgia, January, 10, Atlanta, Georgia.
- 53) Limroongreungrat, W. Cobb, S. C., Chang, L. S., Zhang, S., **Wang, Y. T.** (2003). Fundamental factors and performance of female international wheelchair basketball players, The 2003 Annual Meeting of the American College of Sports Medicine, May 28-31, San Francisco, California.



- 54) Vrongistinos, K. D., Kirkendall, R., **Wang, Y. T.**, Stylianides, G., & Hwang, Y. S. (2003), Kinetics of manual wheelchair propulsion under different speeds, The 2003 Annual Meeting of the American College of Sports Medicine, May 28-31, San Francisco, California.
- 55) **Wang, Y. T.**, Chen, S., Clark, T., & Chang, L. S. (2003). Contributions of the selected fundamental factors to basketball performance for paralympic wheelchair basketball players, 2003 AAHPERD National Convention and Exposition, March 31-April 4, Philadelphia, Pennsylvania.
- 56) Zhou, B., Ernst, M., & **Wang, Y. T.** (2003). The contribution of muscular oxidative capacity to  $\text{VO}_{2\text{max}}$  for college male runners, 2003 AAHPERD National Convention and Exposition, March 31- April 4, Philadelphia, Pennsylvania.
- 57) **Wang, Y. T.**, Cobb, S., Chang, L., Limgroongreungrat, W., & Zhou, B. (2002). Selected physical and neuromuscular variables between male and female international wheelchair basketball players, The 2002 Annual Meeting of the American College of Sports Medicine, May 28-June 1, St. Louis, Missouri.
- 58) Laporte, C., **Wang, Y. T.**, Christian, E., & Thomas, R. (2002). Three-dimensional analysis of older adults while negotiating stairs with load: Practical applications, The 2002 American Physical Therapy Annual Meeting, February 20-24, Boston, Massachusetts.
- 59) Abi-Sarkis, G., & **Wang, Y. T.** (2002). The effect of a new softshell brace on selected ankle kinematics during walking, The 2001 Annual Meeting of the American College of Sports Medicine, May 28-June 1, St. Louis, Missouri.
- 60) Liu, Y., & **Wang, Y. T.** (2002). Reliability of the kinetic measures under different heel conditions during normal walking, The 2002 Annual Meeting of the American College of Sports Medicine, May 28-June 1, St. Louis, Missouri.
- 61) Zhou, B., Ernst, M., & **Wang, Y. T.** (2002). Effect of limiting factors for maximal oxygen consumption on untrained male college students and collegiate distance runners, The 2002 Annual Meeting of the American College of Sports Medicine, May 28-June 1, St. Louis, Missouri.
- 62) Vrongistinos, K. D., **Wang, Y. T.**, Huang, Y., & Stylianides, G. (2002). Stability of periodic and pseudoperiodic human movements, The 2002 Annual Meeting of the American College of Sports Medicine, May 28-June 1, St. Louis, Missouri.
- 63) Weimar, W. H., Williams, C. D., & **Wang, Y. T.** (2002). Changes in resultant ground reaction force at heel strike in older individuals, The 2002 Annual Meeting of the American College of Sports Medicine, May 28-June 1, St. Louis, Missouri.

- 64) Liu, J., **Wang, Y. T.**, Chen, S., & Li, B. (2002). Teaching and Learning Tai Chi: Challenges, Concerns and Approaches, 2002 AAHPERD National Convention and Exposition, April 9-13, San Diego, California.
- 65) **Wang, Y. T.**, Chen, S., Liu, J., Li, B., & Xie, X. (2002). Seated Tai Chi as an optional therapeutic exercise, 2002 AAHPERD National Convention and Exposition, April 9-13, San Diego, California.
- 66) **Wang, Y. T.**, Clark, T., Chen, S., Merchant, P., & Limgroongreungrat, W. (2001). A study of wheelchair basketball players in the 2000 Roosevelt International Basketball Tournament. The 2<sup>nd</sup> World Congress & Exposition on Disability, 28-30, Atlanta, Georgia.
- 67) Chen, S., **Wang, Y. T.**, & Zhang, J. (2001). Tai Chi: An ideal lifelong exercise for improving senior's health. The 2<sup>nd</sup> World Congress & Exposition on Disability, 28-30, Atlanta, Georgia.
- 68) Chen, S., **Wang, Y. T.**, & Zhang, J. (2001). Wheelchair Tai Chi for individuals with disabilities. The 2<sup>nd</sup> World Congress & Exposition on Disability, Sept. 28-30, Atlanta, Georgia.
- 69) Vrongistinos, K., **Wang, Y. T.**, Hwang, Y., Pascoe, D. D., & Marghitu, D. (2001). Quaternion smoothing on three-dimensional kinematics data, The 2001 Annual Meeting of the American College of Sports Medicine, May 30- June 2, Baltimore, Maryland.
- 70) Hales, M., **Wang, Y. T.**, & Johnson, B. F. (2001). Examination of normalization methods for data analysis in frequency domain, The 2001 Annual Meeting of the American College of Sports Medicine, May 30- June 2, Baltimore, Maryland.
- 71) Weimar, W. H., Pascoe, D. D., **Wang, Y. T.**, & Williams, C. D. (2001). Changes in resultant ground reaction force at heel strike at different cadence and load, The 2001 Annual Meeting of the American College of Sports Medicine, May 30- June 2, Baltimore, Maryland.
- 72) Limroongeungrat, W., Pascoe, D. D., **Wang, Y. T.**, Cobb, S. C., & Merchant, P. S. (2001). The effects of loadings and suspensions of three book backpacks on static and dynamic posture of youths,  
73) The 2001 Annual Meeting of the American College of Sports Medicine, May 30- June 2, Baltimore, Maryland.
- 74) **Wang, Y. T.**, Clark, T., Merchant, P. S., Limroongeungrat, W., & Higbie, E. J. (2000). Three dimensional kinematical features of maximum velocity patterns in wheelchair racing, The 2000 Annual Meeting of the American College of Sports Medicine, May 31- June 3, Indianapolis, Indiana.
- 75) Vrongistinos, K. D., **Wang, Y. T.**, Pascoe, D. D., & Marghitu, D. B. (2000). A device for measuring forces and moments during manual wheelchair propulsion, The 2000 Annual Meeting of the American College of Sports Medicine, May 31- June 3, Indianapolis, Indiana.

- 76) Limroongeungrat, W., Imamura, R. T., Wang, V. C., Merchant, P. S., Johnson, B. F., & **Wang, Y. T.** (2000). Three dimensional kinematical analysis of forhand and backhand strokes in wheelchair tennis, The 2000 Annual Meeting of the American College of Sports Medicine, May 31- June 3, Indianapolis, Indiana.
- 77) Williams, C. D., **Wang, Y. T.**, & Too, D. (2000). The effect of age on neuromuscular activation during the electromechanical delay, The 2000 Annual Meeting of the American College of Sports Medicine, May 31- June 3, Indianapolis, Indiana.
- 78) Wasielewskim N. J., **Wang, Y. T.**, & Pascoe, D. D. (2000). Effects of graded treadmill running on foot and ankle kinematics in recreational runners, The 2000 Annual Meeting of the American College of Sports Medicine, May 31- June 3, Indianapolis, Indiana.
- 79) Weimar, W. H., & **Wang, Y. T.** (2000). Balance determination from force platform data only, The 2000 Annual Meeting of the American College of Sports Medicine, May 31- June 3, Indianapolis, Indiana.
- 80) Chen, S. H., Zhang, J. B., **Wang, Y. T.**, & Liu J. (2000). Effect of a progressive time delay procedure on motor skill completion duration of participants with disabilities, The 115<sup>th</sup> Annual AAHPERD Convention, March 21-25, 2000, Orlando, Florida.
- 81) **Wang, Y. T.** (1999). The role of physical therapy in promoting sport for all, The 99' Seoul International Sport Science Congress, August 23-25, Seoul, Korea.
- 82) El Gushey, H. M., **Wang, Y. T.**, Vrongistinos, K., Anwar, A. M., & Khalifa, I. A., (1999). Relationship between pole vault performance and selected biomechanics factors in pole vaulting, The 1999 Annual Meeting of the American College of Sports Medicine, June 2-5, Seattle, Washington.
- 83) Pascoe, D. D., Pascoe, D. E., Zhong, Y., & **Wang, Y. T.** (1999). Influence of book backpack loads on youth, The 1999 Annual Meeting of the American College of Sports Medicine, June 2-5, Seattle, Washington.
- 84) **Wang, Y. T.**, Pascoe, D. D., Weimar, W. H., & Pearl, M. J. (1999). Applications of the indexes of load stress in Walking, The 1999 Annual Meeting of the American College of Sports Medicine, June 2-5, Seattle, Washington.
- 85) Weimar, W., Madsen, N., & **Wang, Y. T.** (1999). Partitioning accelerations to reveal the influence of the coriolis effect, The 1999 Annual Meeting of the American College of Sports Medicine, June 2-5, Seattle, Washington.
- 86) Williams, C. D., **Wang, Y. T.**, Vrongistinos, K., & Zhong, Y. (1999). The effect of age on gait kinetics, The 1999 Annual Meeting of the American College of Sports Medicine, June 2-5, Seattle, Washington.

- 87) **Wang, Y. T.**, Liu, Z., & Shi, W. (1998). Tai Chi for Everyone --- A Workshop, The 113<sup>th</sup> Annual AAHPERD Convention, March 21-25, 1998, Reno, Nevada.
- 88) Williams, C. D., **Wang, Y. T.**, Pascoe, D. D., Vrongistinos, K., & Zhong, Y. (1998). The relationship between kinematics and economy of disabled and able-body individuals during wheelchair propulsion, The 1998 Annual Meeting of American College of Sports Medicine, June 3-6, 1998, Orlando, Florida.
- 89) Weimar, W. H., Clark, T. W., Williams, C. D., Zhong, Y., Vrongistinos, K. D., & **Wang, Y. T.** (1998). Effects of age, gender, and dominance on lower extremity muscle strength, The 1998 Annual Meeting of American College of Sports Medicine, June 3-6, 1998, Orlando, Florida.
- 90) **Wang, Y. T.**, & LaPorte, C. (1997). A lecture: Biomechanical analysis of wheelchair propulsion, Physical Therapy 1997: Scientific Meeting and Exposition for the American Physical therapy Association, May 30 - June 4, San Diego, California.
- 91) **Wang, Y. T.**, Pascoe, D. D., Vrongistinos, K. D., Williams, C. D., & Zhong, Y. (1997). Three-dimensional kinematical features of a new wheelchair propulsive technique in racing, The 1997 Annual Meeting of American College of Sports Medicine, May 28 - 31, 1997, Denver, Colorado.
- 92) Williams, C. D., Pascoe, D. D., **Wang, Y. T.**, Vrongistinos, K. D., & Zhong, Y. (1997). Effect of speed on oxygen uptake for disabled and able-body individuals in wheelchair propulsion, The 1997 Annual Meeting of American College of Sports Medicine, May 28 - 31, 1997, Denver, Colorado.
- 93) Vrongistinos, K. D., Kim, C., Shih, J., Williams, C. D., & **Wang, Y. T.** (1997). Effects of initial knee angles and types muscle stretching on vertical jumps, The 1997 Annual Meeting of American College of Sports Medicine, May 28 - 31, 1997, Denver, Colorado.
- 94) Vrongistinos, K. D., & **Wang, Y. T.** (1997). Cut-off frequency estimation of kinematical data with discrete transformation and regression analysis, The XV<sup>th</sup> International Symposium of Biomechanics, June 21-25, 1997, Denton, Texas, USA.
- 95) **Wang, Y. T.**, Yao, W., Chen, D., & Lui, Z. (1997). Development of a computerized reaction time testing system with multi-functions and features, The 112<sup>th</sup> Annual AAHPERD Convention, March 20-24, 1997, St. Louis, Missouri.
- 96) **Wang, Y. T.**, Pascoe, D. D., Poole, A., Yao, W., Ford III, H. T., & Jasper, S. R. (1996). Effects of the backpack load on the gait pattern, The 1996 Annual Meeting of American College of Sports Medicine, May 29 - June 1, 1996, Cincinnati, Ohio.
- 97) Jasper, S. R., **Wang, Y. T.**, Ford III, H. T., Vrongistinos, K., LaPort, C. & Yao, W. (1996). Kinematical analysis of long jump in takeoff phase, The 1996 Annual Meeting of American College of Sports Medicine, May 29 - June 1, 1996, Cincinnati, Ohio.

- 98) Scharff-Olson, M., Williford, H. N., Blessing, D. L., Moses, R., & **Wang, Y. T.**, (1996). Ground reaction forces between novices and instructors during bench/step exercise at two different speeds, The 1996 Annual Meeting of American College of Sports Medicine, May 29 - June 1, 1996, Cincinnati, Ohio.
- 99) **Wang, Y. T.**, Microcomputer software presentation: Instructional support, The 111<sup>th</sup> Annual AAHPERD Convention, April 16 - 20, 1996, Atlanta, Georgia.
- 100) Shih, J., **Wang, Y. T.**, Moneinzadeh, M. H., Adrian, M. J. (1995). A biomechanical study of the effects of speed and experience on stair climbing movement, The 19<sup>th</sup> Annual Meeting of the American Society of Biomechanics, August 24-26, 1995, Stanford University, Stanford, California.
- 101) **Wang, Y. T.**, Ford III, H. T., Shin, D. M., Vrogistinos, K., & Ma, Y. (1995). Angular momentum transfer between segments in simulated underhand throwing, The 1995 Annual Meeting of American College of Sports Medicine, May 31 - June 3, 1995, Minneapolis, Minnesota.
- 102) Shin, D. M., **Wang, Y. T.**, Kim, C. K., Ford III, H. T., & Ma, Y. (1995). Shoulder muscle timing pattern for high and low handicapped golfers, The 1995 Annual Meeting of American College of Sports Medicine, May 31 - June 3, 1995, Minneapolis, Minnesota.
- 103) Sinclair, S., Shih, J., Plummer, O., & **Wang, Y. T.** (1995). The range of motion of lower extremity during exercising on different speeds and types of treadmill, The 1995 Annual Meeting of American College of Sports Medicine, May 31 - June 3, 1995, Minneapolis, Minnesota.
- 104) Gehlsen, G. M., Shin, D. M., Edward, J., & **Wang, Y. T.** (1995). The impact absorption strategy of drop-jump landing in female high school athletes, The 1995 Annual Meeting of American College of Sports Medicine, May 31 - June 3, 1995, Minneapolis, Minnesota.
- 105) Blessing, D. L., Gravelle, B. L., **Wang, Y. T.**, & Kim, C. K. (1995). The influence of c0-activation on the adaptive response to concurrent strength and endurance training in women, The 1995 Annual Meeting of American College of Sports Medicine, May 31 - June 3, 1995, Minneapolis, Minnesota.
- 106) **Wang, Y. T.**, Deutsch, H., & Moeinzadeh, M. (1995). Muscle activity timing patterns during wheelchair propulsion --- Across speed conditions, The 110<sup>th</sup> Annual AAHPERD Convention, March 28 - April 1, 1995, Portland, Oregon.
- 107) Pascoe, D. E., Shin, D., Kim, C., **Wang, Y. T.**, & Pascoe, D. D. (1994). Impact of book bags on gait cycle and posture, The 1994 Annual Meeting of American College of Sports Medicine, June 1-4, 1994, Indianapolis, IN.

- 108) Moses, R., Blessing, D., **Wang, Y. T.**, Willford, H. & Olson, M. (1994). Ground reaction forces in bench aerobics, The 1994 Annual Meeting of The Southeast Chapter of ACSM, January 20-22, Greensboro, NC.
- 109) Ziegler T, Blessing, D., **Wang, Y. T.**, & Wilson, D. (1994). A two dimensional cinematographic analysis of fastballs and curveballs of youth league pitchers, The 1994 Annual Meeting of The Southeast Chapter of ACSM, January 20-22, Greensboro, NC.
- 110) **Wang, Y. T.**, Pascoe, D., Farrar, V. & T. Ford T. III. (1993). Relationship between heel heights and force patterns in normal walking, The 1993 Annual Meeting of the American College of Sports Medicine, June 2-5, Seattle, Washington.
- 111) **Wang, Y. T.** (1993). Application of biomechanics in rehabilitation, Wuhan Institute of Physical Education, Wuhan China, May 7, 1993.
- 112) **Wang, Y. T.**, Deutsch, H., Hedrick, B & Martin, M. (1991). Relationship between kinematic features and muscle efforts during wheelchair propulsion", The 13th Annual International Conference IEEE Engineering In Medical And Biology Society, Oct. 31 - Nov. 3, Orlando, FL.
- 113) **Wang, Y. T.** (1991). A theoretical model of muscle contributions --- the flexors at elbow joint, The Sixth Annual Midwestern Graduate Students Biomechanics Symposium at Illinois State University. Feb. 15, 1991.
- 114) **Wang, Y. T.**, & Deutsch, H. (1990). Computer aided instruction Multi-media presentation --- a modified vector program, ALS Media Show, University of Illinois. Feb. 20, 1990.
- 115) **Wang, Y. T.**, Dali, X., Hedrick, B., Adrian, M. & Morse, M. (1989). 3-D kinematic analysis of wheelchair propulsion --- across racing speed conditions, American Society of Biomechanics the 13th Annual Meeting at University of Vermont, Burlington. Aug. 1989.
- 116) **Wang, Y. T.** (1988). Panning filming technique applied in running, The Third Annual Midwestern Graduate Students Biomechanics Symposium at Southern Illinois University. Feb. 15, 1988.

## 12. Honors and Awards

[Lasting Legacy Former Dean Enhances College with Impactful Achievements](#)

Distinguished Faculty Award by Gerontology Institute, Georgia State University in 2009

Fellow of Society of Health and Physical Educators, America, Research Consortium since 2008.

Selected and listed as Outstanding People of the 20<sup>th</sup> Century by International Biographical Center, Cambridge, England in 2003.

Fellow of American College of Sports Medicine since 2000.

Awarded for the Outstanding Faculty Contribution to the Undergraduate Program in the College of Education of Auburn University in 1994.

Governor’s Awarded for the Outstanding Teaching Professor for the Undergraduate Program in the State of Alabama in 1994.

Selected and listed in *Who's Who among Asian Americans* in 1994.

Honorable Professor of Wuhan Sports University, P. R. China 1993.

Excellent Ph.D. student of 1990-1991 academic year for The Laura J. Huslster Scholarship Award from the Department of Kinesiology, the University of Illinois at Urbana-Champaign.

### **13. Service to the University, College, and Academic Unit**

#### **At University Level**

Member of University Executive Council, 7/2022-Present at RIT

Member of University Council, 1/2021-Present at RIT

Member of Deans Council, 1/2021-Present at RIT

Member of College Administrative Deans, 7/2014-Present at UT Tyler

Member of President Council, 7/2014-Present at UT Tyler

Member of University Council, 7/2014-Present at UT Tyler

Member of Senator Cultural Diversity Committee, 2010-2014 at GSU.

Member of Senator Commencement Committee, 2010-2014 at GSU.

President of Phi Beta Delta Honor Society for International Scholars, GSU Chapter, 2009-2013.

Program Director of “Agreement between Wuhan Institute of Physical Education, China and Georgia State University” (2005-2008) at GSU.

Vice-Chair of University Institutional Review Board (IRB) (2008-2009) at GSU.

Member of University Institutional Review Board (IRB) (2004-2009) at GSU.

Member of University Intellectual Property Committee since 2007 at GSU.

Member of University Unrepresentative Faculty Committee (2005-2007) at GSU.

Member of University International Study Abroad Committee since 2004 at GSU.

### **At College Level**

Member of Faculty Advisory Committee (2002-2006) at GSU.

Member of Non-Tenure Track Promotion Committee (2005) at GSU.

Member of Gerontology Institute, Executive Committee (2004, 2007) at GSU.

Member of Research Committee (2001) at GSU.

Member of Faculty Appeals Committee (2001) at GSU

Member of Graduate Faculty Committee (1999-2000) at GSU

### **At Academic Unit Level**

Chair of Tenure and Promotion Committee of the School of Health Professions since 2007-2008, 2010-2012 at GSU.

Member of Student Retention & Promotion Committee of the Division of Physical Therapy since 2005 at GSU

Member of Student Admission Committee of the Division of Physical Therapy since 2007 at GSU.

Member of Chair and Faculty Search Committee of the Department of Physical Therapy (2004) at GSU.

Member of Faculty Search Committee of the Department of Physical Therapy (2000) at GSU.

Member of Chair Search Committee of the Department of Physical Therapy (1998) at GSU.

## **14. Service Activities in Professional Organizations**

Lead Editor (editor-in-chief) for the Journal of *Evidence-Based Complementary and Alternative Medicine*, special issue: Tai Chi, Yoga and Qigong as Mind-Body Exercise, 2016.  
<https://www.hindawi.com/journals/ecam/si/609514/>

Member of Editorial Board for International Journal of Research in Sports Medicine since 2007.

Chair (2004-2007) of Sports Biomechanics in the International Council for Health, Physical Education, Recreation, Sports, and Dance.



Panel reviewer for National Institute on Disability and Rehabilitation Research Service, Technology Development Fellowship Grant in January of 1999 and 1998.

Chair of International Relations Council (1996-1998) of American Association of Active Lifestyle and Fitness, American Alliance of Health, Physical Education, Recreation and Dance

A frequent professional journal reviewer for the following peer reviewed journals:

- 1) International Journal of Research in Sport Medicine since 2006.
- 2) Journal of Orthopedic & Sports Physical Therapy since 2002.
- 3) Journal of Research Quarterly in Exercise and Sport since 1998.
- 4) Journal of Adapted Physical Activity Quarterly since 2004.
- 5) Journal of Medicine & Science in Sports & Exercise since 1995.
- 6) Journal of Applied Biomechanics since 2000
- 7) Journal of Archives of Physical Medicine and Rehabilitation since 1999
- 8) British Journal of Sports Medicine since 2005
- 9) Journal of Biomechanics since 2014
- 10) Journal of Athletic Training since 2014
- 11) Journal of Evidence-Based Complementary and Alternative Medicine since 2016

## **15. Service to the Community**

I developed Tai Chi rehabilitation programs for Peripheral Neuropathy Patients at the University of Texas at Tyler since summer of 2015 and developed Tai Chi program for Meadow Lake Senior Living facility since fall of 2017 and Wheelchair Tai Chi Ball rehabilitation program for Meadow Lake Senior Living facility since Spring of 2018.

I presented Tai Chi and Wheelchair Tai Chi Workshops to Georgia Arthritis Foundation, Georgia Physical Therapy Association, Cobb County School System, Georgia Nursing Homes, Assisted Living Homes, Senior Centers and Georgia Gerontology Society, Rochester Parkinson’s Foundation, and Rochester Spinal Association from 2008 to 2021.

I have established good research collaborations with Georgia Institute of Technology, the Center for Assistive Technology & Environmental Access, Shepherd Center, Emory University, and Atlanta VA Rehabilitation Research & Development Center during 2005-2014. We have worked together on several joint research projects and research grant proposals as well (see the research proposals in the Funding section).