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Education

Ph.D.	University of Illinois at Urbana-Champaign, IL, USA	Kinesiology (Biomechanics & Motor Control)
M.S.	Seoul National University, Seoul, South Korea	Physical Education (Biomechanics)
B.S.	Seoul National University, Seoul, South Korea	Physical Education

Professional Experiences

Associate Professor, Department of Counseling, Health and Kinesiology, Texas A&M University-San Antonio. 2017 ~ Present.

Postdoctoral Research Associate, Department of Kinesiology, University of Massachusetts at Amherst, MA.

Graduate Teaching Assistant, Department of Kinesiology & Community Health, University of Illinois at Urbana-Champaign, Urbana, IL. 2007 ~ 2011.

Publications

- **Selected Publications**

1. **Lim, J. I.**, Chang, S. H., & Lee, J. (2024). The influence of texting on walking: A gait comparison between school-age children and young adults. *Research in Dance and Physical Activity*, 8(3), 1-13. [[Link](#)]
2. Lee, J., Tomimbang, A. C., & **Lim, J. I.**, (2022). Effect of peer-led adapted aquatics on functional fitness, self-efficacy, and postural stability among older adults. *Educational Gerontology*, 48(1), 29-40. [[Link](#)] [[PDF](#)]
3. Ducharme, S. W., **Lim, J. I.**, Busa, M. A., Aguiar, E. J., Moore, C. C., Schuna Jr. J. M., Barreira, T. V., Staudenmayer, J., Chipkin, S. R., & Tudor-Locke, C. (2021). A transparent method for step detection using an acceleration threshold. *Journal for the Measurement of Physical Behaviour*. 4(4), 311-320. [[Link](#)] [[PDF](#)]
4. Sato, S., Buonaccorsi, J., Miehm, J. D., **Lim, J. I.**, Rajala, C., Khalighinejad, F., Ionete, C., Kent, J. A., & van Emmerik, R. E. A. (2021). Non-ambulatory measures of lower extremity sensorimotor function are associated with walking function in Multiple Sclerosis. *Multiple Sclerosis and Related Disorders*, 53, 103051. [[Link](#)] [[PDF](#)]
5. **Lim, J. I.**, Palmer, C. J., Busa, M., Amado, A., Rosado, L., Ducharme, S. W., Simon, D., & Van Emmerik, R. E. A. (2017). Additional helmet and pack loading reduces situational awareness during the establishment of marksmanship posture, *Ergonomics*, 60(6), 824-836. [[Link](#)]
6. **Lim, J. I.**, Busa, M., Van Emmerik, R. E. A., & Hamill, J. (2017). Adaptive changes in running kinematics and their impact on shock transmission as a function of head stability demands, *Journal of Biomechanics*, 52, 122-129. [[Link](#)]
7. **Lim, J. I.**, Schuna Jr., J., M., Busa, M., Umberger, B. R., Katzmarzyk, P. T., Van Emmerik, R. E. A., & Tudor-Locke, C. (2016). Allometrically scaled children's clinical and free-living ambulatory behavior, *Medicine & Science in Sports & Exercise*, 48(12), 2407-2416. [[Link](#)]
8. Busa, M., **Lim, J. I.**, Van Emmerik, R. E. A., & Hamill, J. (2016). Head and tibial acceleration as a function of stride frequency and visual feedback during running, *PLoS ONE*, 11(6): e0157297. [[Link](#)]
9. **Lim, J. I.**, Amado, A., Sheehan, L., & Van Emmerik, R. E. A. (2015). Dual task interference during walking: The effects of texting on situational awareness and gait stability. *Gait & Posture*, 42, 466-471. [[Link](#)]
10. **Lim, J. I.** (2015). Effects of spatial and temporal constraints on interceptive aiming task performance and gaze control. *Perceptual & Motor Skills*, 121(2), 509-527. [[Link](#)]

Conference Presentations

- Rinaldi, N., **Lim, J. I.**, Hamill, J., Moraes, R., & Van Emmerik, R. E. A. (2017). Margin of dynamic stability is increased during walking combined with grasping in an unpredictable environment. *International Society of Posture & Gait Research World Congress*, Fort Lauderdale, FL, USA.
- **Lim, J. I.**, Busa, M., Van Emmerik, R.E.A., & Hamill, J. (2017). Adaptive changes in running kinematics as a function of head stability demands and their effect on shock transmission. *North American Society for the Psychology of Sport and Physical Activity*, San Diego, CA, USA.
- **Lim J. I.**, Han H., Aguiar E.J., Busa M.A., Ducharme S.W., Moore C., Chipkin S.R., Staudenmayer J., Tudor-Locke C. (2017). Development and Validation of Universal Step Detection Threshold for Raw Accelerometer Data. *ACSM's 64th Annual Meeting*, Denver, Colorado.
- Tudor-Locke C., Schuna J.M., Barreira T.V., Han H., Aguiar E.J., Ducharme S.W., **Lim J. I.**, Moore C., Busa M.A., Sirard J.R., Chipkin S.R., Staudenmayer J. (2017). The Relationship between Steps/min and Intensity on a Treadmill in 21-40 Year Old Adults. *ACSM's 64th Annual Meeting*, Denver, Colorado.
- Aguiar E.J., Ducharme S.W., Han H., **Lim J. I.**, Moore C., Busa M.A., Sirard J.R., Chipkin S.R., Staudenmayer J., Tudor-Locke C. (2017). The Relationship Between Walking Cadence and Percentage of Maximum Heart Rate. *ACSM's 64th Annual Meeting*, Denver, Colorado.
- Han H., Aguiar E.J., Ducharme S.W., **Lim J. I.**, Moore C., Busa M.A., Sirard J.R., Chipkin S.R., Staudenmayer J., Tudor-Locke C. (2017). Zero Cadence as a Proxy Indicator of Sitting Behaviors in Objective Monitoring. *ACSM's 64th Annual Meeting*, Denver, Colorado.
- Tudor-Locke C., Han H., Ducharme S.W., Schuna J.M, Barreira T.V., Aguiar E.J., **Lim J. I.**, Moore C., Busa M.A., Sirard J.R., Chipkin S.R., Staudenmayer J. (2017). Waist and wrist accelerometer step outputs in treadmill and simulated activities of daily living. *International Society of Behavioral Nutrition and Physical Activity (ISBNPA)*, Victoria, Canada.
- Aguiar E.J., Ducharme S.W, Han H., **Lim J. I.**, Moore C., Busa M.A., Chipkin S.R., Staudenmayer J., Tudor-Locke C. (2017). Relationship between walking cadence and

percentage of heart rate reserve. *International Society of Behavioral Nutrition and Physical Activity* (ISBNPA), Victoria, Canada.

- Tudor-Locke C., Aguiar E.J., Han H., Ducharme S.W., **Lim J. I.**, Moore C., Busa M.A., Schuna J.M., Barreira T.V., Chipkin S.R. (2017). Accelerometer-determined steps/min versus activity counts/min for discriminating moderate-intensity ambulation. *International Conference on Ambulatory Monitoring of Physical Activity and Movement (ICAMPAM)*, Bethesda, Maryland.
- Ducharme, S. W., Van Emmerik, R. E. A., Aguiar, E. J., Han, H., Moore, C., **Lim, J. I.**, Staudenmayer, J., Busa, M. A., Sirard, J. R., & Tudor-Locke, C. (2016). Stride-time variability and metabolic cost of walking as a function of walking speed. *New England Chapter of the ACSM, Annual Fall Conference*, Providence, RI, USA.
- Moore, C., Ducharme, S. W., Han, H., Aguiar, E. J., Sirard, J. R., Busa, M. A., **Lim, J. I.**, & Tudor-Locke, C. (2016). Step-count accuracy of the ActiGraph GT9X LINK accelerometer at a novel location on the heel. *New England Chapter of the ACSM, Annual Fall Conference*, Providence, RI, USA.

Teaching Experiences

1. College Teaching

- Coordination, Control, and Skill
- Analysis and Performance of Basic Movement Skills
- Indoor Court Activities
- Baseball
- Motor Control & Learning
- Sports Biomechanics & Biomechanics Laboratory
- Assessment in Physical Education
- Outdoor Activities for physical education major undergraduates
- Lifespan Activities for physical education major undergraduates
- Weight Training

Ad Hoc Journal Reviewer

- Journal of Biomechanics
- Gait & Posture
- PLoS ONE

- Journal of Advanced Transportation
- BioMed Research International

Professional Membership

- American College of Sports Medicine (ACSM)
- North American Society for Psychology of Sport and Physical Activity (NASPSPA)
- Canadian Society for Psychomotor Learning and Sport Psychology (SCAPPS)
- International Society of Biomechanics in Sports (ISBS)
- Korean Society of Sport Biomechanics
- The Korean Alliance for Health, Physical Education, Recreation, and Dance (KAHPERD)