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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

Assistant 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.

Project title:

- Effects of armor load on action-perception coupling – Motor Control Laboratory
- Influence of impact shock during running on head stabilization and visual perception – Biomechanics Laboratory
- Cadence and intensity across the adults lifespan – Physical Activity & Health Laboratory
- The MS Neuromotor Test: A nonambulatory Measure of Sensorimotor Function to Identify and Track Progressive MS – Motor Control Laboratory

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

Research Assistant, Biomechanics Laboratory, Korea Institute of Sport Science, Seoul, Korea. 2005 ~ 2006.

Part-Time Lecturer, Department of Physical Education, Seoul National University, Seoul, Korea. 2005 ~ 2006.

Graduate Research Assistant, Biomechanics Laboratory, Department of Physical Education, Seoul National University, Seoul, Korea. 2004 ~ 2005.

Graduate Teaching Assistant, Department of Physical Education, Seoul National University, Seoul, Korea. 2002 ~ 2004.

Publications

- **Peer Reviewed Articles**

1. **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](#)]
2. **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](#)]
3. **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](#)]
4. 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](#)]
5. **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](#)]

6. **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](#)]
7. **Lim, J. I.**, & Carlton, L. G. (2014). Effects of target motion characteristics on interceptive aiming performance and gaze control. *International Journal of Sport Psychology*, 45, 409-428. [[Link](#)]
8. **Lim, J. I.**, & Seo, J. S. (2004). A comparative study of the baseball pitching patterns between skilled and unskilled players. *The Korean Journal of Physical Education*, 43(5), 415-422. [[Link](#)]

- **Peer Reviewed Published Abstracts**

1. Rinaldi, N. M., **Lim, J. I.**, Van Emmerik, R. E. A., Hamill, J., & Moraes, R. (2016). Walking combined with a reach-to-grasp task while crossing obstacles at different distances. *Brazilian Journal of Motor Behavior*, (supplement) S10.
2. **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. *Journal of Sport and Exercise Psychology*, 37, (supplement) S49.
3. **Lim, J. I.**, Busa, M., Amado, A., Rosado, L., Simon, D., Ducharme, S., Palmer, C., & Van Emmerik, R.E.A. (2015). Effects of load configuration on movement coordination and visual information pick-up in expert marksmanship performance. *Journal of Sport and Exercise Psychology*, 37, (supplement) S49.
4. Ducharme, S., **Lim, J. I.**, Simon, D., Palmer, C., Busa, M., Amado, A., Rosado, L., & Van Emmerik, R.E.A. (2015). Loading the head reduces head-pitch attenuation of center of mass oscillations during walking and running gait in soldiers. *Journal of Sport and Exercise Psychology*, 37, (supplement) S36.
5. Ducharme, S.W., Palmer, C.J., Rosado, L., Busa, M., **Lim, J. I.**, Simon, D., Amado, A., & Van Emmerik, R.E.A. (2014). Asymmetrically loaded warfighters exhibit reduced segmental coordinative adaptability in a dynamic marksmanship task. *7th World Congress of Biomechanics (WBC 2014)*, Boston, MA, USA.
6. **Lim, J. I.**, & Carlton, L. G. (2013). Moving target interception: Effects of target motion characteristics on eye movements and performance. *Journal of Sport and Exercise Psychology*, 35, (supplement) S36.
7. Davis, J., **Lim, J. I.**, Ofori, E., Kickert, A., & Carlton, L. G. (2010). Head motion and eye movement behavior in the basketball free-throw. *Proceedings of the SCAPPS 2010 Annual Conference*, 42(1).

8. Kickert, A., **Lim, J. I.**, Carlton, M. J., Ofori, E., & Carlton, L. G. (2010). Point of aim and eye movement behavior in a rolling task. *Proceedings of the SCAPPS 2010 Annual Conference*, 42(1).
9. **Lim, J. I.**, Kickert, A., Contakos, J., & Carlton, L. G. (2009). Moving target interception: Effects of a fixed interception position on eye movements and performance. *Journal of Sport and Exercise Psychology*, 31, (supplement) S83.
10. **Lim, J. I.**, Contakos, J., Kickert, A., & Carlton, L. G. (2008). Eye movements and limb kinematics in moving target aiming. *International Society of Biomechanics in Sports*, Seoul, Korea. 26 *International Conference on Biomechanics in Sports*, 1779.

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)