

Hiroki Ozaki PhD

Researcher
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BIO

Dr. Hiroki Ozaki gained his PhD at Nihon University. He used to work for the Singapore Sports Institute for three years. He is currently a researcher in Sports Biomechanics at the Japan Institute of Sports Sciences (JISS) in Tokyo. He is also currently heading the Science Support Unit in the High Performance Support Project which was organized by the Japan Sports Agency in 2008 and currently managed by the Japan Sports Council. He had vast experiences of science support in the high performance sports. He engaged in multiple sports such as table tennis, trampoline, volleyball, Karate, Badminton and some of Para sports. His research interest is to clarify the mechanisms of whipping motion in various sports and assess the efficiency of those skills by using multi-segment power analysis.

Working Experience

Researcher	2017-present
Department of Sport Science, Japan Institute of Sports Sciences.	
Sports Biomechanist	2014-2016
Sports Biomechanics, Singapore Sports Centre, Singapore Sports Institute.	
Contract researcher	2009-2013
Department of Sport Science, Japan Institute of Sports Sciences.	
Visiting researcher	2008-present
Physical Education centre, Department of Literature, Chuo University.	

International Publications

Inaba, Y., Tamaki, S., Ikebukuro, H., Yamada, K., **Ozaki, H.** and Yoshida, K. (2017). Effect of Changing Table Tennis Ball Material from Celluloid to Plastic on the Post-Collision Ball Trajectory, *Journal of human kinetics*, 30; 55: 29-38.

Matsuo, T., Jinji, T., Hirayama, D., Nasu, D., **Ozaki, H.** and Kumagawa, D. (2017). Middle finger and ball movements around ball release during baseball fastball pitching, *sports Biomechanics*, 28:1-12.

Li, K. H. H., Lim, D. and Ozaki, H. (2016). Functional Synthesis of Mechanical Improvement of Wheelchair for Paralympians' Table Tennis Competition, *Sports Product Engineering* 2016, 191-199.

Ozaki, H., Ohta, K. and Jinji, T. (2012). Multi-body power analysis of the kicking motion based on a double pendulum, *Procedia Engineering*, Vol34, 218-213.

Jinji, T., Ohta, K. and **Ozaki, H.** (2012). Multi-body power analysis of the baseball pitching based on a double pendulum, *Procedia Engineering*, Vol34, 784-789.

Ozaki, H. and Aoki K. (2008). Kinematic and Electromyographic Analysis of Curve Kick, *Football Science*, Vol5, 26-36.