

Inge Werner

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Education

Diploma in Sport Science (teacher training in sports and mathematics) 1983

Thesis: biomechanical analysis of the movement fluency (using biomechanical methods to identify characteristics in movements, being perceived as fluent ones, with the example of an apparatus gymnastic element on the floor)

Doctoral degree in Sport Science 1992

Thesis: eye-hand coordination in context with physical activity leading to fatigue (using fine motor tasks for the hands with respect for accuracy and for speed and also for timing when being fatigued in different levels after cycling)

Additional education:

Austrian trainer diploma in apparatus gymnastics
judge diploma in apparatus gymnastics
additional qualification in Motopädagogik (working with children suffering from developmental disorders)

Employment

1980-1983 working at the Institute of Sport Science as a student assistant
1983-1993 half time as assistant
since 1993 full time as assistant professor;
2001-2017 leading all study-programs of the institute of Sport Science
2013-2017 Dean of Studies of the Faculty for Psychology and Sport Science

Research topics

Sure footedness and foot target accuracy in mountain hiking; factors affecting stepping accuracy (in context of accident prevention in mountain hiking esp. stumbling and slipping); movement variability.

Analyses of sport related movement techniques and motor control aspects (sports climbing specific holds and finger force sharing, balance and high altitude, sensory motor control in gliding on cross country skis, golf swing and YIPS). New field: Implementation of principal component analysis .

Teaching

Kinesiology – Motor Control and Motor Learning
Multivariate Statistics, Study-designs
Seminars in Kinesiology (with students performing empirical studies)

Some selected publications

Werner, I; Enzinger, A; Ressel, J (2015): Effects of uphill walking and downhill walking on postural control. In: Radmann, A; Hedenborg, S; Tsolakidis, E (eds): Book of Abstracts of the 20th Annual Congress of the European College of Sport Science (ECSS Malmö 2015), Malmö, Sweden, June 24-27, 2015. European College of Sport Science, ISBN 978-91-7104-567-6, S. 191

Lawrence, EL; Fassola, I; Werner, I; Leclercq, C; Valero-Cuevas, FJ (2014): Quantification of dexterity as the dynamical regulation of instabilities: comparisons across gender, age, and disease.

In: *Frontiers in Neurology* 5, No. 53.

Innerebner, V; Werner, I; Pocecco, E (2012): Effects of acute hypoxia on motor balance.

In: *Sleep And Breathing* 16/1, S. 262 – 263

Raschner, C; Platzer, HP; Patterson, C; Werner, I; Hildebrandt, C (2011): The relationship between ACL injuries and physical fitness in junior austrian alpine ski racers - a 10 year longitudinal study.

In: *British Journal of Sports Medicine* 45/4, S. 310 - 311.

Professional membership:

Austrian Association in Sport Science (2012-2014 president of the AASS)