



University of Pannonia

Faculty of Engineering

Research Centre for Biochemical, Environmental and Chemical Engineering

Assessment of the Revised Doctoral Dissertation

by

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Doctoral aspirant: Datao Xu

MSc in Human Movement Science

Dissertation Title: *Landing strategy optimization for lower limb injury risk reduction: Combining computational biomechanical modeling and machine learning*

Supervisors: Dr. habil. Gusztáv Fekete and Dr. András Kovács

The revised version of the doctoral dissertation demonstrates that the previously raised comments and suggestions have been addressed appropriately

Clarifications have been added regarding EMG sensor application, the consistency of terminology in signal processing and modelling has improved, and transitions between software tools are now more coherent.

Additionally, the justification of parameter choices in machine learning methods has been expanded.

Overall opinion:

The revisions have improved the clarity and methodological transparency of the dissertation. The updated version is considered suitable for public defence.

June 12, 2025.

A handwritten signature in blue ink, appearing to be 'Attila J. Trájer'.

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