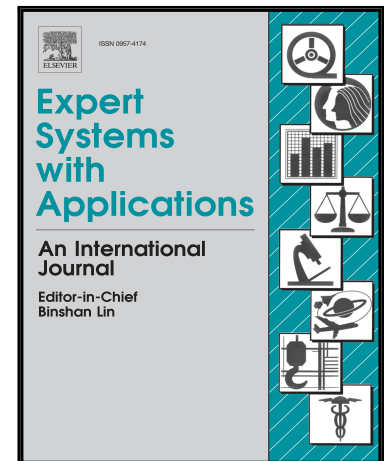


Accepted Manuscript

Exploring relations between EMG and biomechanical data recorded during a golf swing

Antanas Verikas, James Parker, Marija Bacauskiene,
M.Charlotte Olsson

PII: S0957-4174(17)30465-7
DOI: [10.1016/j.eswa.2017.06.041](https://doi.org/10.1016/j.eswa.2017.06.041)
Reference: ESWA 11412



To appear in: *Expert Systems With Applications*

Received date: 5 April 2016
Revised date: 28 April 2017
Accepted date: 28 June 2017

Please cite this article as: Antanas Verikas, James Parker, Marija Bacauskiene, M.Charlotte Olsson, Exploring relations between EMG and biomechanical data recorded during a golf swing, *Expert Systems With Applications* (2017), doi: [10.1016/j.eswa.2017.06.041](https://doi.org/10.1016/j.eswa.2017.06.041)

This is a PDF file of an unedited manuscript that has been accepted for publication. As a service to our customers we are providing this early version of the manuscript. The manuscript will undergo copyediting, typesetting, and review of the resulting proof before it is published in its final form. Please note that during the production process errors may be discovered which could affect the content, and all legal disclaimers that apply to the journal pertain.

Highlights

- A novel technique to explore relations between EMG and biomechanical data is presented.
- Statistically significant relations between EMG and biomechanical data were revealed.
- High prediction accuracy of peak angular velocity of thorax and pelvis was obtained.
- Insights concerning coordination of human body parts during a golf swing were obtained.

Download English Version:

<https://daneshyari.com/en/article/4943275>

Download Persian Version:

<https://daneshyari.com/article/4943275>

[Daneshyari.com](https://daneshyari.com)