



## Computer Simulation Modelling in Sport

Guest Editor:

**Prof. Dr. Mark King**

School of Sport, Exercise and  
Health Sciences, Loughborough  
University, Loughborough LE11  
3TU, UK

Deadline for manuscript  
submissions:

**closed (23 November 2021)**

### Message from the Guest Editor

Dear Colleagues,

Computer simulation modelling in sport gives researchers and coaches alike an understanding of the mechanics behind sports movements that is not possible with traditional experimental methodologies. Over the last 20 or so years, we have seen computer models in sport develop from very simple models with only a few degrees of freedom to far more complex multibody models to cover a broad range of activities and give the scientific and sports community an insight that was not previously possible. This Special Issue welcomes papers from the computer simulation community with a focus on either understanding/optimising performance or reducing injuries in sport.

Prof. Dr. Mark King  
*Guest Editor*





an Open Access Journal by MDPI

## Editor-in-Chief

**Prof. Dr. Giulio Nicola Cerullo**

Dipartimento di Fisica,  
Politecnico di Milano, Piazza L.  
da Vinci 32, 20133 Milano, Italy

## Message from the Editor-in-Chief

As the world of science becomes ever more specialized, researchers may lose themselves in the deep forest of the ever increasing number of subfields being created. This open access journal *Applied Sciences* has been started to link these subfields, so researchers can cut through the forest and see the surrounding, or quite distant fields and subfields to help develop his/her own research even further with the aid of this multi-dimensional network.

## Author Benefits

**Open Access:** free for readers, with article processing charges (APC) paid by authors or their institutions.

**High Visibility:** indexed within Scopus, SCIE (Web of Science), Ei Compendex, Inspec, Embase, CAPlus / SciFinder, and other databases.

**Journal Rank:** JCR - Q2 (Engineering, Multidisciplinary) / CiteScore - Q1 (General Engineering)

## Contact Us

---

*Applied Sciences* Editorial Office  
MDPI, Grosspeteranlage 5  
4052 Basel, Switzerland

Tel: +41 61 683 77 34  
[www.mdpi.com](http://www.mdpi.com)

[mdpi.com/journal/applsci](http://mdpi.com/journal/applsci)  
[applsci@mdpi.com](mailto:applsci@mdpi.com)  
[X@Applsci](https://twitter.com/Applsci)