# **Special Issue**

## Complex and Fractional Dynamics II

## Message from the Guest Editor

Team sports can be seen in the framework of complex systems, where multiple agents interact at different scales in time and space. For example, at the match time scale, we observe interactions between players. coaches, referees, supporters and environment, which lead to a certain team performance during the match. On the other hand, meanwhile, we verify interactions between teams in several matches, while teams' behaviour evolves as a result of transfers of players and coaches, injuries, suspensions, physical and mental stress, administrative decisions and other factors. Therefore, a plethora of elements gives rise to the emergence of a collective dynamics, with time-space patterns that can be analyzed by the mathematical and computational tools adopted for tackling dynamical systems. This Special Issue focuses on original and new research results on entropy-based techniques for modelling and analyzing team sports dynamics. Potential topics include, but not limited to:

- Entropy and Information Theory
- Complex networks
- Evolutionary computing
- Image and signal processing
- Machine learning
- Fractals and chaos
- Nonlinear dynamical systems

## Guest Editor

Dr. António Lopes Faculty of Engineering, University of Porto, Rua Dr. Roberto Frias, 4200-465 Porto, Portugal

#### Deadline for manuscript submissions

closed (31 March 2022)



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Entropy Editorial Office MDPI, Grosspeteranlage 5 4052 Basel, Switzerland Tel: +41 61 683 77 34 entropy@mdpi.com

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## About the Journal

## Message from the Editor-in-Chief

The concept of entropy is traditionally a quantity in physics that has to do with temperature. However, it is now clear that entropy is deeply related to information theory and the process of inference. As such, entropic techniques have found broad application in the sciences.

*Entropy* is an online open access journal providing an advanced forum for the development and/or application of entropic and information-theoretic studies in a wide variety of applications. *Entropy* is inviting innovative and insightful contributions. Please consider *Entropy* as an exceptional home for your manuscript.

## Editor-in-Chief

Prof. Dr. Kevin H. Knuth

Department of Physics, University at Albany, 1400 Washington Avenue, Albany, NY 12222, USA

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