Advances on Complex Systems with Mathematics and Computer Science

Guest Editor:

Prof. Dr. Christophe Guyeux
Department of Computer Science, Femto-ST Institute, UMR 6174 CNRS, Université de Bourgogne-Franche-Comté, Dijon, France

Message from the Guest Editor

A complex system is a set of many interacting entities whose integration achieves a common goal. Complex systems are characterized by emergent properties that exist only at the system level and cannot be observed at the level of its constituents. In some cases, an observer cannot predict the feedbacks or the behaviors or evolutions of complex systems by calculation, which leads to studying them using tools such as chaos theory, artificial intelligence, graph theory, or statistics.

The ambition of this Special Issue is to review the latest advances in the field of complex systems and at the interface of mathematics and computer science. Contributions can be theoretical or practical, as long as they shed new light on the complexity of such systems, or on how to deal with it.

Special Issue

Editor-in-Chief

Prof. Dr. Francisco Chiclana
School of Computer Science and Informatics, De Montfort University, The Gateway, Leicester LE1 9BH, UK

Message from the Editor-in-Chief

The journal *Mathematics* publishes high-quality, refereed papers that treat both pure and applied mathematics. The journal highlights articles devoted to the mathematical treatment of questions arising in physics, chemistry, biology, statistics, finance, computer science, engineering and sociology, particularly those that stress analytical/algebraic aspects and novel problems and their solutions. One of the missions of the journal is to serve mathematicians and scientists through the prompt publication of significant advances in any branch of science and technology, and to provide a forum for the discussion of new scientific developments.

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), RePEc, and other databases.
Journal Rank: JCR - Q1 (*Mathematics*) / CiteScore - Q1 (*General Mathematics*)

Contact Us