Mathematical Modeling and Cognitive Computing

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Message from the Guest Editor

Dear Colleagues,

This Special Issue on mathematical modeling and cognitive computing seeks research on mathematical modeling and cognitive enhancement via human–computer interaction (adaptive e-learning technologies). We are currently seeking empirical and theoretical research on subfields such as, but not limited to, mathematics and computational cognition, STEM cognition, cognitive computing and modeling, STEM cognitive enhancement, human–computer interaction, mobile computing (m-learning or e-learning), AI in digital education, machine learning, and digital technology applications.

Thus, the current issue seeks to use transdisciplinary research to primarily focus on STEM cognitive enhancement with a focus on mathematical modeling and cognitive computing—in order words, computational cognition and decision making. Unlike existing research, this issue seeks to examine mathematics/STEM modeling and connections linking pattern recognition, spatial visualization/perception, and information processing to apply and enhance computational decision making and processes through 4IR technologies.

Special Issue

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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.

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