



## Computational Intelligence: Theory and Applications

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### Message from the Guest Editors

Computational intelligence (CI) is an intellectual mode of low-level cognition. The areas covered by computational intelligence include fuzzy logic, neural networks, evolutionary computation and probabilistic reasoning. The theories and techniques of CI allow us to find solutions to problems in pattern recognition, control, automated decision-making, optimization, statistical modeling, and many other areas. The research and development of CI reflect the important interdisciplinary and integration developing trend of present science and technology. This Special Issue will focus on new developments and advances in the various areas of computational intelligence, including the theory and applications to the fields of engineering, scientific computing, computer science, physics and life sciences.

Topics include, but are not limited to, the following:

- pattern recognition
- prediction systems
- process and system control
- bioinformatics
- cloud computing
- data mining
- decision support systems
- intelligent information retrieval
- noise analysis
- real-time systems
- signal and image processing
- system modelling and optimization
- time-series prediction
- deep learning

Deadline for manuscript  
submissions:

**closed (30 September 2022)**



[mdpi.com/si/113734](https://mdpi.com/si/113734)

# 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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