

# Special Issue

## Intelligent and Fuzzy Systems: Applications in Engineering and Technology

### Message from the Guest Editors

The topic Intelligent and Fuzzy Systems: Applications in Engineering and Technology is related to the modelling and simulation of complex interconnected processes working under uncertainty in different application areas. These complex processes can be found in a wide range of sectors including industry, environment, economy, transport, medicine and management. The commonality between these processes is that they are often unpredictable and poorly defined because of a large number of controllable and non-controllable factors, such as uncertainties and non-linearities in the environment and the inputs or the outputs. In this case, the purpose is to find effective methods for tasks such as modelling, simulation and control for complex processes. Fuzzy systems can provide this effectiveness due to their ability to capture uncertainties and non-linearities well. These methods can also be complemented with other artificial intelligence methods such as machine learning, neural networks and evolutionary algorithms for other tasks such as decision support, decision making and knowledge discovery.

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### Guest Editors

Dr. Boriana Vatchova

Dr. Yordanka Boneva

Dr. Alexander Gegov

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### Deadline for manuscript submissions

closed (20 April 2025)



## Mathematics

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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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### Editor-in-Chief

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