

Special Issue

Intuitionistic Fuzziness and Parallelism: Theory and Applications

Message from the Guest Editor

The aim of this Special Issue is to disseminate the recent advances in the areas of intuitionistic fuzzy sets (IFSs) and generalized nets (GNs) and their applications in the modelling of parallel processes under uncertainty. The IFS, an extension of the concept of the fuzzy set, is a popular and widely accepted tool for the modelling of uncertainty. It has many applications, some of which are in the areas of decision making under uncertainty, InterCriteria analysis, the modelling of parallel processes through intuitionistic fuzzy GNs, and most recently, in the quality of service (QoS) estimation of service systems. GNs are extensions of Petri nets, which have been proven to be a suitable tool for the modelling of parallel processes with applications in a wide range of areas, such as medicine, artificial intelligence, telecommunications, etc. Despite the extensive work in these fields throughout the past four decades, new theoretical results continue to be published and many new applications are being found.

Guest Editor

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About the Journal

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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