Advances in Fuzzy Systems

Special Issue on
Fuzzy Mathematical Modeling and Control

CALL FOR PAPERS

The attempt to utilize imprecise information in creating models of real life applications led to the development of fuzzy modeling techniques. At present, new theories, concepts, and algorithms, extending pioneer ideas, have been proposed to tackle complex modeling and control problems with higher uncertainty degrees that cannot be handled with traditional fuzzy logic, now called type-1 fuzzy logic.

We invite researchers to contribute original articles that show the new trends for handling uncertainty to solve modeling and control problems that use type-1 fuzzy logic as well as its extensions, such as type-2 fuzzy logic, intuitionistic fuzzy logic, and other approaches. We also are interested in review articles that sum up the state of the art of this topic, showing recent major advances and discoveries, significant gaps in the research, current debates, and ideas that show where research might go in the future.

Potential topics include but are not limited to the following:

- ▶ Successful new applications of modeling and control that demonstrate how the extensions of type-1 fuzzy logic can or cannot be outperformed by such extensions
- ▶ Innovative approaches that allow us to extend the type-1 fuzzy systems and models, as interval type-2, mediative fuzzy logic, neutrosophic fuzzy models, and others
- ▶ Fuzzy theoretical developments focused on handling uncertainty as extensions to type-1 fuzzy logic
- ▶ Any paper considering original research regarding fuzzy systems that involve solving complex problems by innovatively handling uncertainty

Authors can submit their manuscripts through the Manuscript Tracking System at https://mts.hindawi.com/submit/journals/afs/fmmc/.

Papers are published upon acceptance, regardless of the Special Issue publication date.

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