



Advances on Fuzzy Systems Applied to Symmetry in Multiple Criteria, Decision-Making and Decision Analysis

Guest Editor:

Dr. Valério Salomon

Faculty of Engineering of
Guaratinguetá, Sao Paulo State
University, Av. Dr. Ariberto Pereira
da Cunha, 333 - Pedregulho,
Guaratinguetá SP 12516-410,
Brazil

valerio.salomon@unesp.br

Deadline for manuscript
submissions:

31 August 2022

Message from the Guest Editor

Dear Colleagues,

Fuzzy systems theory (FST), proposed in late 1960s by Dr. L. A. Zadeh (in memoriam), created a fertile field of research in diverse areas such as computer science, decision sciences, energy, engineering, mathematics, physics and astronomy, to name a few. Decision analysis (DA) is a major topic for FST applications. Multiple criteria decision analysis (MCDA) is a successful methodology for DA with FST. Leading MCDA methods, such as the analytic hierarchy process (AHP), data envelopment analysis (DEA), multi-attribute utility theory (MAUT), and technique for order of preference by similarity to ideal solution (TOPSIS) have hybrid FST approaches: FAHP, FDEA, FMAUT, and FTOPSIS. Fuzzy goal programming (FGP) and fuzzy linear programming (FLP) were also applied for DA. Nevertheless, the application of FST to DA is not an exhausted research topic, and much more remains to be discovered. On the contrary, FST has made outstanding conceptual advances in recent years regarding hesitant fuzzy sets (HFS), intuitionist fuzzy sets (IFS), and symmetric fuzzy sets (SFS), among many others...





Editor-in-Chief

Prof. Dr. Sergei D. Odintsov

ICREA, P. Lluis Companys 23,
08010 Barcelona and Institute of
Space Sciences (IEEC-CSIC), C.
Can Magrans s/n, 08193
Barcelona, Spain

Message from the Editor-in-Chief

Symmetry is ultimately the most important concept in natural sciences. It is not surprising then that very basic and fundamental research achievements are related to symmetry. For instance, the Nobel Prize in Physics 1979 (Glashow, Salam, Weinberg) was received for a unified symmetry description of electromagnetic and weak interactions, while the Nobel Prize in Physics 2008 (Nambu, Kobayashi, Maskawa) was received for the discovery of the mechanism of spontaneous breaking of symmetry, including CP symmetry. Our journal is named *Symmetry* and it manifests its fundamental role in nature.

Author Benefits

Open Access:— free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility: indexed within Scopus, SCIE (Web of Science), CAPlus / SciFinder, Inspec, Astrophysics Data System, and many other databases.

Journal Rank: JCR - Q2 (*Multidisciplinary Sciences*) / CiteScore - Q1 (*General Mathematics*)

Contact Us
