

INTUITIONISTIC FUZZY SETS: THEORY AND APPLICATIONS

A mini-symposium organized by:

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Intuitionistic fuzzy sets (IFS), proposed in 1983 by K. Atanassov, are one of the most actively explored extensions of the concept of fuzzy sets of L. Zadeh. They have attracted the attention of a global research community and have been applied in numerous different applications. The aim of this special session is to address different theoretical, application and software aspects, such as research of the foundations of the IFS and intuitionistic fuzzy logics (IFL), existing and novel extensions of the IFS, application of the apparatus of intuitionistic fuzziness in various areas, development of IFL-based software and decision making tools, as well as other relevant IFS-related research.

Topics include but are not limited to:

- Operations, relations, operators over IFS and IFL
- Extensions of IFS and IFL
- Software for implementation and visualization of IFS and IFL
- Applications of intuitionistic fuzziness to Bio-informatics, Computation Intelligence, Simulation and Modelling, Control and Automation, Image Processing, Data Management, Management and Planning, and others
- Intercriteria analysis and other IFS-based decision making tools
- Other related topics