Turkish Journal of Fuzzy Systems

An Official Journal of Turkish Fuzzy Systems Association: e-ISSN 1309-1190

An electronic, open access and refereed journal

http://www1.gantep.edu.tr/~tjfs/

Aims and Scope

Since its introduction to the research community by Lotfi Asker Zadeh, fuzzy theory has gained a big acceptance in both academia and industry. In today's world, it is easy to see many diverse applications of the fuzzy concept in science and industry. As everything improves, the fuzzy theory and its applications are also advancing to handle much more complicated problems of our lives. However, in many cases it is not easy to distinguish between problems that actually require a crisp or fuzzy approach in their modeling and solution. Indeed, the boundary between them is also uncertain. What types of problems really require modeling and solution through fuzzy logic? What are these problems and what is "fuzziness" in them? Without properly answering these fundamental questions, application of fuzzy sets and logic will probably not be very helpful in solving problems of our lives.

Turkish Journal of Fuzzy Systems (TJFS) will mainly focus on the determination of problems which can most suitably be handled through a fuzzy systems approach (i.e. fuzziness is their fundamental characteristics) and will provide a unique journal for publishing the recent research on applications, practices, and methodologies of fuzzy sets and systems. The authors must clarify why their problem needs a fuzzy modelling and/or solution approach in their work in order to be considered for TJFS.

Subject Coverage

Turkish Journal of Fuzzy Systems (TJFS) covers a broad range of topics related to fuzzy sets and systems including, but not limited to, the following (We should mention here that TJFS favors engineering and application oriented papers on the following topics):

- Approximate Reasoning
- Computing with Words
- Fuzziness and Probability
- Fuzziness and Statistics
- Fuzzy Algebra
- Fuzzy Algorithms

- Fuzzy Analytic Hierarchy Process
- Fuzzy Analysis
- Fuzzy and Chaos
- Fuzzy Automata
- Fuzzy Control
- Fuzzy Cognitive Mapping
- Fuzzy Data Analysis
- Fuzzy Data Mining
- Fuzzy Differential Equation
- Fuzzy Discrete Event Systems
- Fuzzy Expert Systems
- Fuzzy Forecasting
- Fuzzy Functions
- Fuzzy Genetic Algorithms
- Fuzzy Geometry
- Fuzzy Granular Computing
- Fuzzy Hardware and Architectures
- Fuzzy Human – Computer Interaction
- Fuzzy Image Processing
- Fuzzy Information Processing
- Fuzzy Information Theory
- Fuzzy Integrated Systems
- Fuzzy Intelligence
- Fuzzy Internet Computing
- Fuzzy Neural Networks
- Fuzzy Optimization
- Fuzzy Rough Sets
- Fuzzy Sets and Logic
- Fuzzy Signal Processing
- Fuzzy Simulation
- Fuzzy Speech Processing
- Fuzzy Stochastic Systems
- Fuzzy Systems Applications in Communications
- Fuzzy Systems Applications in Engineering
- Fuzzy Systems Applications in Environmental Issues
- Fuzzy Systems Applications in Finance Sector
- Fuzzy Systems Applications in Health Science
- Fuzzy Systems Applications in Management
- Fuzzy Systems Applications in Medical Sciences
- Fuzzy Systems Applications in Military Operations
- Fuzzy Systems Applications in Natural Sciences
- Fuzzy Systems Applications in Pattern Recognition
- Fuzzy Systems Applications in Power Systems
- Fuzzy Systems Applications in Public Services
- Fuzzy Systems Applications in Robotics and Mechatronics
- Fuzzy Systems Applications in Service Sciences
- Fuzzy Systems Applications in Social Sciences
- Fuzzy Systems in Industrial Engineering
- Fuzzy Systems in Operations Research
- Fuzzy Systems Interfaces with Metaheuristics
- Hybridization with Fuzzy Systems
- Mathematical Foundations of Fuzzy Logic
- Neuro – Fuzzy Systems
- Philosophy of Fuzzy Logic
- Software Development for Fuzzy Systems Applications
- Type-2 Fuzzy Logic Systems and Applications

Other topics and applications related to Fuzzy Logic and Fuzzy Systems.

Editorial Team

Honorary Editor

Editors

Editorial Board Members

TJFS Inaugural Issue

Volume 1, Issue 1 (2010)