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BULLETIN

# Special Issue on Fuzzy Sets and Systems Theory: Recent Advances and Developments
## —— On the Occasion of the Memory of Prof. Loti Askar Zadeh, the Founder of Fuzzy Sets Theory

## Call For Papers

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4 December 2017

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The FIAE (Fuzzy Information and Engineering Journal) publishes scientific papers reporting original research and/or applications in the field of Fuzzy Sets Theory and its Applications inclusding a wide area of topics from pure and applied mathematics, computer science, engineering, and other related fields of its scopes.

**Fuzzy set theory** have been used in a wide range of domains in which information is incomplete or imprecise, such as bioinformatics and etc. The main scope of this special issue is related to the recent advaces and develpments of fuzzy sets and systems on the memory of the founder of fuzzy sets theory, Prof. Lotfi Askar Zadeh (1921, Feb. 4 - 2017, Sep. 6). Following that, the objective of this special issue of FIAE is to present recent and considerable advances on the following (but not limited to) issues:

1. Fuzzy Information
    a. Fuzzy information theory and information systems
    b. Fuzzy clustering and classification
    c. Fuzzy information processing
    d. Hardware and software co-design
    e. Fuzzy computer
    f. Fuzzy database and data mining
    g. Fuzzy image processing and pattern recognition
    h. Fuzzy information granulation
    i. Knowledge acquisition and representation in fuzzy information

2. Fuzzy Sets and Systems
    a. Fuzzy sets
    b. Fuzzy analysis
    c. Fuzzy topology and fuzzy mapping
    d. Fuzzy equation
    e. Fuzzy programming and optimal
    f. Fuzzy probability and statistic
    g. Fuzzy logic and algebra
    h. General systems
    i. Fuzzy socioeconomic system
    j. Fuzzy decision support system
    k. Fuzzy expert system

3. Soft Computing
    a. Soft computing theory and foundation
    b. Nerve cell algorithms
    c. Genetic algorithms
    d. Fuzzy approximation algorithms
    e. Computing with words and Quantum computation

4. Fuzzy Engineering
    a. Fuzzy control
    b. Fuzzy system engineering

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