



## Call for paper

We are pleased to announce **the 9<sup>th</sup> International Conference of Fuzzy Information and Engineering (ICFIAE)**. This conference will be held on **February 13-15, 2019 at Kish Island, Iran** with the cooperation of *International Fuzzy Information and Engineering Association (CHIPS)*, *Iranian Operations Research Society*, *Foshan University*, *Iranian Fuzzy Systems Society*, *University of Mazandaran*, *International Center of Optimization and Decision Making (ODM)* and certain scientific organizations of in Iran and around the world. The conference aims to provide the latest scientific researches in Fuzzy sets theory, and other related sciences with the collaboration of researchers and linking organizations of this field of study. We hope that this conference provides all the relevant aspects of fuzzy sets theory in different areas of sciences, engineering and in particular, its applications. The goal of this conference is the partnership of all scientific centers, making communication with national and international related societies, and the invitation of prominent figures with respect to scientific communication and making a proper situation in order to exchange ideas as well as making those who are interested in this field of study more familiar with international scopes.

The main scope of this conference is related to the recent advances and developments of fuzzy sets and systems 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 equations
- e. Fuzzy programming
- f. Fuzzy probability and statistic
- g. Fuzzy logic and algebra
- h. General systems
- i. Fuzzy socioeconomic systems
- j. Fuzzy decision support systems
- k. Fuzzy expert systems

### **3. Soft Computing**

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

### **4. Fuzzy Engineering**

- a. Fuzzy control
- b. Fuzzy system engineering
- c. Fuzzy knowledge engineering
- d. Fuzzy management engineering
- e. Fuzzy design
- f. Fuzzy industrial engineering
- g. Fuzzy system modeling

### **5. Fuzzy Operations Research**

- a. Fuzzy evaluation and decision-making
- b. Fuzzy overall plans and scheduling
- c. Fuzzy prediction and forecasting
- d. Fuzzy countermeasure
- e. Fuzzy graph theory and network flow
- f. Fuzzy management in knowledge

### **6. Artificial Intelligence**



- a. Fuzzy basis system in knowledge
- b. Approximate reasoning and fuzzy reasoning machine
- c. Fuzzy neural networks
- d. Intelligent controls and robots
- e. Fuzzy automata
- f. Statistical learning theory and support vector machine

#### **7. Others**

- a. Rough sets theory and its applications
- b. Fuzzy grey systems
- c. Fuzzy education
- d. Fuzzy linguistics
- e. Fuzzy biology

Furthermore, the articles of Fuzzy Logic, Fuzzy Reasoning, Fuzzy Engineering and Fuzzy Artificial Intelligence are even more welcome.

#### **Proposal for Special Sessions**

**One page proposals for special sessions are solicited in areas related to conference scope. Proposals should include the topic, expected number of participants and background of the organizer. Proposals should be submitted to [nhadi57@gmail.com](mailto:nhadi57@gmail.com) before August 10, 2018.**

#### **Important Dates:**

- Paper Submission Deadline ..... **November 15, 2018**
- Paper Acceptance ..... **December 15, 2018**
- Registration Deadline..... January 15, 2019
- Conference Date .....February 13-15, 2019

• **For further information please visit the conference website at [www.icodm.com](http://www.icodm.com) or contact the conference scientific and program chair by: [nhadi57@gmail.com](mailto:nhadi57@gmail.com) (Hadi Nasseri)**