

In the Name of God

---

---

# IRANIAN JOURNAL OF FUZZY SYSTEMS

---

---

## HONORARY CHAIRMAN

**L. A. Zadeh**, *University of California, Berkeley, USA*

## EDITOR-IN-CHIEF

**M. Mashinchi**, *Shahid Bahonar University of Kerman, Kerman, Iran*

## MANAGING EDITOR

**R. A. Borzooei**, *University of Sistan and Baluchistan, Zahedan, Iran*

## EDITORIAL BOARD

**N. R. Arghami**, *Ferdowsi University of Mashhad, Mashhad*

**A. Daneshgar**, *Sharif University of Technology, Tehran*

**E. Eslami**, *Shahid Bahonar University of Kerman, Kerman*

**S. Katebi**, *Shiraz University, Shiraz*

**C. Lucas**, *Tehran University, Tehran*

**A. Memariani**, *Bu-Ali Sina University, Hamedan*

**N. Sadati**, *Sharif University of Technology, Tehran*

**A. Vahidian Kamyad**, *Ferdowsi University of Mashhad, Mashhad*

**M. M. Zahedi**, *Shahid Bahonar University of Kerman, Kerman*

## ADVISORY BOARD

**R. Aliev** (*Baku, Azerbaijan*)

**M. Anvari** (*Berkeley, USA*)

**J. Buckley** (*Birmingham, USA*)

**P. Corsini** (*Udine, Italy*)

**P. Diamond** (*Brisbane, Australia*)

**D. Dubois** (*Toulouse, France*)

**S.-C. Fang** (*Raleigh, USA*)

**M. Jamshidi** (*Albuquerque, USA*)

**Y. B. Jun** (*Chinju, South Korea*)

**L. Koczy** (*Budapest, Hungary*)

**J. Mordeson** (*Omaha, USA*)

**M. Mukaidono** (*Kawasaki, Japan*)

**N. R. Pal** (*Calcutta, India*)

**Z. Pawlak** (*Warsaw, Poland*)

**I. Perfilieva** (*Ostrava, Czech*)

**H. Prade** (*Toulouse, France*)

**A. Ralescu** (*Cincinnati, USA*)

**D. Ralescu** (*Cincinnati, USA*)

**E. Sanchez** (*Marseille, France*)

**A. Sostak** (*Riga, Latvia*)

**M. Sugeno** (*Wako, Japan*)

**I. B. Turksen** (*Toronto, Canada*)

**J. L. Verdegay** (*Granada, Spain*)

**R. Viertl** (*Wien, Austria*)

**Y.-M. Liu** (*Chengdu, China*)

## SUBSCRIPTION RATE 2005

Iranian Journal of Fuzzy Systems (IJFS) is published six-monthly by the University of Sistan and Baluchistan. Annual subscription rates 2005 (including packing and postage) are as follows: for university departments, libraries, industrial and other multiple-reader institutions in Iran 80,000 Rials, in other countries 30 EURO; for individuals in Iran 40,000 Rials, in other countries 20 EURO. Reprints of papers are available for 1500 Rials per copy in Iran and 2 EURO per copy elsewhere (Including packing and postage). For more information, please visit the website of the journal.

مجله Iranian Journal of Fuzzy Systems (IJFS) طی نامه شماره ۳/۲۹۱۰/۶۲ مورخ ۸۳/۱/۲۶ کمیسیون

نشریات علمی کشور درجه علمی - پژوهشی دریافت نمود.

## Journal Address

*Iranian Journal of Fuzzy Systems*

University of Sistan and Baluchistan, P.O. Box 98135-987

Zahedan, Iran.

Tel & Fax: +98-541-2431060

E-mail: ijfs@hamoon.usb.ac.ir

Homepage: <http://www.usb.ac.ir/ijfs/>

# **IRANIAN JOURNAL OF FUZZY SYSTEMS**

**Volume 2    Number 1    April 2005**

**IJFS**

University of Sistan and Baluchistan, Zahedan, Iran.



# Iranian Journal of Fuzzy Systems

VOLUME 2, NUMBER 1, APRIL 2005

## CONTENTS

<b><i>J. J. Buckley, K. D. Reilly and L. J. Jowers</i></b> Simulating Continuous Fuzzy Systems: I	1
<b><i>P. Isaac</i></b> On Projective L- Modules	19
<b><i>S.-P. Li, Z. Fang and J. Zhao</i></b> P2-Connectedness in L-Topological Spaces	29
<b><i>R. Ameri</i></b> Fuzzy Hypervector Spaces over Valued Fields	37
<b><i>M. M. Zahedi and M. R. Khorashadi-Zadeh</i></b> Category of (POM)L-Fuzzy Graphs and Hypergraphs	49
<b><i>A. A. Suratgar and S. K. Y. Nikraves</i></b> Potential Energy Based Stability Analysis of Fuzzy Linguistic Systems	65

