

# IEEE TRANSACTIONS ON FUZZY SYSTEMS

A PUBLICATION OF THE IEEE NEURAL NETWORKS SOCIETY



AUGUST 2002

VOLUME 10

NUMBER 4

IEFSEV

(ISSN 1063-6707)

---

## PAPERS

Fuzzy Models of Language Structures . . . . .	<i>F. Criado Torralba, T. Gachechiladze, H. Meladze, and G. Tsertsvadze</i>	421
Fuzzy Model Reference Adaptive Control . . . . .	<i>N. Goléa, A. Goléa, and K. Benmahammed</i>	436
Expected Value of Fuzzy Variable and Fuzzy Expected Value Models . . . . .	<i>B. Liu and Y.-K. Liu</i>	445
Parallelization of a Fuzzy Control Algorithm Using Quantum Computation . . . . .	<i>G. G. Rigatos and S. G. Tzafestas</i>	451
Application of Fuzzy Logic in Resistive Fault Modeling and Simulation . . . . .	<i>M. Nourani, A. R. Attarha, and C. Lucas</i>	461
Fuzzy Logic-Based Matching Pursuits for Lossless Predictive Coding of Still Images . . . . .	<i>B. Aiazzi, L. Alparone, and S. Baronti</i>	473
From Approximative to Descriptive Fuzzy Classifiers . . . . .	<i>J. G. Marín-Blázquez and Q. Shen</i>	484
Fuzzy Logic-Based Optimization for Redundant Manipulators . . . . .	<i>M. C. Ramos, Jr. and A. J. Koivo</i>	498
Fuzzy Job-Shop Scheduling Based on Ranking Level ( $\lambda, 1$ ) Interval-Valued Fuzzy Numbers . . . . .	<i>F.-T. Lin</i>	510
The SOF-PID Controller for the Control of a MIMO Robot Arm . . . . .	<i>H. B. Kazemian</i>	523
Current-Mode A/D Fuzzy Converter . . . . .	<i>G. Giustolisi, G. Palumbo, and S. Pennisi</i>	533
Algorithms for the Computation of $T$ -Transitive Closures . . . . .	<i>H. Naessens, H. De Meyer, and B. De Baets</i>	541

---

## BRIEF PAPERS

An Accelerated Approach for Solving Fuzzy Relation Equations With a Linear Objective Function . . . . .	<i>Y.-K. Wu, S.-M. Guu, and J. Y.-C. Liu</i>	552
---	--	-----

---

## ANNOUNCEMENTS

Call for Papers—The IEEE International Conference of Fuzzy Systems . . . . .		559
--	--	-----

---