

New Applications and Developments of Fuzzy Systems



Filesize: 5.65 MB

Reviews

Extensive manual! Its such a great read. It really is loaded with knowledge and wisdom You wont really feel monotony at at any time of your time (that's what catalogs are for regarding if you ask me).

(Myrl Hintz)

NEW APPLICATIONS AND DEVELOPMENTS OF FUZZY SYSTEMS



To get **New Applications and Developments of Fuzzy Systems** eBook, you should access the web link under and save the document or have accessibility to additional information that are highly relevant to NEW APPLICATIONS AND DEVELOPMENTS OF FUZZY SYSTEMS ebook.

GRIN Verlag Mrz 2012, 2012. Taschenbuch. Book Condition: Neu. 210x148x7 mm. This item is printed on demand - Print on Demand Neuware - Doctoral Thesis / Dissertation from the year 2010 in the subject Engineering - Artificial Intelligence, grade: PhD, Korea University, Seoul (College of Engineering - Dept of Industrial Systems and Information Engineering), course: Intelligence Control and Artificial Intelligence, language: English, abstract: Fuzzy Logic (FL) is a particular area of interest in the study of Artificial intelligence(AI) based on the idea that in fuzzy sets each element in the set can assume a value from 0 to 1, not just 0 or 1, as in classic or crisp set theory. The gradation in the extent to which an element is belonging to the relevant sets is called the degree of membership. This degree of membership is a measure of the elements belonging to the set, and thus of the precision with which it explains the phenomenon being evaluated. A linguistic expression is given to each fuzzy set. The information contents of the fuzzy rules are then used to infer the output using a suitable inference engine. The key contribution of fuzzy logic in computation of information described in natural language made it applicable to a variety of applications and problem domains; from simple control systems to human decision support systems. Yet, despite its long-standing origins, it is a relatively new field, and as such leaves much room for development. The thesis presents two novel applications of fuzzy systems; a human decision support system to help teachers to fairly evaluate students and two hybrid intelligent fuzzy systems; a type-2 fuzzy logic system and a combined type-1 fuzzy logic system and extended Kalman filter for controlling systems operating under high levels of uncertainties due to various sources of measurement and modeling errors. The combination of fuzzy logic and the classical student evaluation approach produces easy to understand...



[Read New Applications and Developments of Fuzzy Systems Online](#)



[Download PDF New Applications and Developments of Fuzzy Systems](#)

See Also

**[PDF] Psychologisches Testverfahren**

Follow the hyperlink listed below to read "Psychologisches Testverfahren" file.

[Read eBook](#)

»

**[PDF] Programming in D**

Follow the hyperlink listed below to read "Programming in D" file.

[Read eBook](#)

»

**[PDF] Children s Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English]**

Follow the hyperlink listed below to read "Children s Educational Book: Junior Leonardo Da Vinci: An Introduction to the Art, Science and Inventions of This Great Genius. Age 7 8 9 10 Year-Olds. [Us English]" file.

[Read eBook](#)

»

**[PDF] Children s Educational Book Junior Leonardo Da Vinci : An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. [British English]**

Follow the hyperlink listed below to read "Children s Educational Book Junior Leonardo Da Vinci : An Introduction to the Art, Science and Inventions of This Great Genius Age 7 8 9 10 Year-Olds. [British English]" file.

[Read eBook](#)

»

**[PDF] Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success**

Follow the hyperlink listed below to read "Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success" file.

[Read eBook](#)

»

**[PDF] Adobe Indesign CS/Cs2 Breakthroughs**

Follow the hyperlink listed below to read "Adobe Indesign CS/Cs2 Breakthroughs" file.

[Read eBook](#)

»