New Applications and Developments of Fuzzy Systems

Filesize: 4.52 MB

Reviews

This pdf is so gripping and intriguing. I could comprehended almost everything using this composed e ebook. You are going to like just how the article writer create this ebook.
(Miss Dakota Zulauf)

NEW APPLICATIONS AND DEVELOPMENTS OF FUZZY SYSTEMS

To read **New Applications and Developments of Fuzzy Systems** eBook, remember to refer to the link under and download the document or get access to additional information that are in conjuction with 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 from0 to 1, not just 0 or 1, as in classic or crisp set theory. The gradation in the extent towhich an element is belonging to the relevant sets is called the degree of membership.This degree of membership is a measure of the element s belonging to the set, and thus ofthe precision with which it explains the phenomenon being evaluated. A linguisticexpression is given to each fuzzy set. The information contents of the fuzzy rules are thenused to infer the output using a suitable inference engine. The key contribution of fuzzylogic in computation of information described in natural language made it applicable to avariety of applications and problem domains; from simple control systems to humandecision 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 decisionsupport system to help teachers to fairly evaluate students and two hybrid intelligentfuzzy systems; a type-2 fuzzy logic system and a combined type-1 fuzzy logic system andextended Kalamn filter for controlling systems operating under high levels ofuncertainties due to various sources of measurement and modeling errors.The combination of fuzzy logic and the classical student evaluation approachproduces easy to understand...

Relevant eBooks

[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]

Click the web link below to download and 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.

Download PDF »

[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]

Click the web link below to download and 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.

Download PDF »

[PDF] Klara the Cow Who Knows How to Bow (Fun Rhyming Picture Book/Bedtime Story with Farm Animals about Friendships, Being Special and Loved. Ages 2-8) (Friendship Series Book 1)

Click the web link below to download and read "Klara the Cow Who Knows How to Bow (Fun Rhyming Picture Book/Bedtime Story with Farm Animals about Friendships, Being Special and Loved. Ages 2-8) (Friendship Series Book 1)" file.

Download PDF »

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

Click the web link below to download and read "Six Steps to Inclusive Preschool Curriculum: A UDL-Based Framework for Children's School Success" file.

Download PDF »

[PDF] Genuine the book spiritual growth of children picture books: let the children learn to say no the A Bofu (AboffM)(Chinese Edition)

Click the web link below to download and read "Genuine the book spiritual growth of children picture books: let the children learn to say no the A Bofu (AboffM)(Chinese Edition)" file.

Download PDF »

[PDF] Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselues By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1624-1625)

Click the web link below to download and read "Two Treatises: The Pearle of the Gospell, and the Pilgrims Profession to Which Is Added a Glasse for Gentlewomen to Dresse Themselues By. by Thomas Taylor Preacher of Gods Word to the Towne of Reding. (1624-1625)" file.

Download PDF »