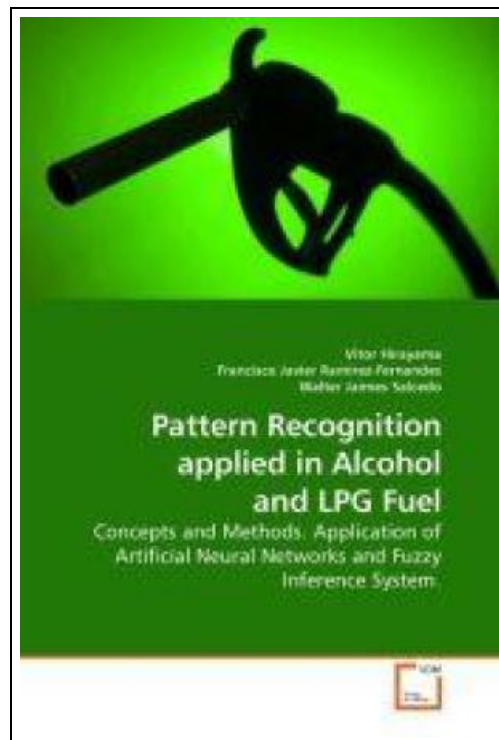


## Pattern Recognition applied in Alcohol and LPG Fuel : Concepts and Methods. Application of Artificial Neural Networks and Fuzzy Inference System.



Filesize: 5.5 MB

### **Reviews**

*Very useful for all group of people. It is amongst the most incredible pdf i actually have read through. Its been written in an extremely straightforward way and it is just right after i finished reading through this pdf by which basically modified me, change the way i think.*  
(Felicia Nikolaus)

## **PATTERN RECOGNITION APPLIED IN ALCOHOL AND LPG FUEL : CONCEPTS AND METHODS. APPLICATION OF ARTIFICIAL NEURAL NETWORKS AND FUZZY INFERENCE SYSTEM.**

[DOWNLOAD](#)

VDM Verlag Jan 2010, 2010. Taschenbuch. Condition: Neu. This item is printed on demand - Print on Demand Neuware - This work shows the results of a robust system developed as an alternative to recognize the quality of alcohol vapor and Liquid Petrol Gas (LPG) heat power in an electric nose. Two methodologies were used to recognize alcohol vapor and LPG patterns. The first approach used a Fuzzy Inference System (FIS) and training algorithms of Artificial Neural Networks (ANN): Backpropagation and Learning Vector Quantization. The second approach consists of develop an LPG heat power recognizing system robust to one-random-sensor-loss. Three systems were used. The first implemented an ANN to recognize data that simulated the failure of a random sensor. This system had 97% of right responses. The second implemented seven ANN s trained with input data subsets, such that six ANN s were trained with a different failure sensor, and the seventh ANN was trained with data of all sensors without failure. This system had 99% of right responses. The third implemented an Ensemble Static Learning Machine with ten parallel ANN s. The results were 97% of right responses. Some ways for hardware implementation of the recognizing system were suggested in DSP and micro-controller pre-built systems. 84 pp. Englisch.



[Read Pattern Recognition applied in Alcohol and LPG Fuel : Concepts and Methods. Application of Artificial Neural Networks and Fuzzy Inference System. Online](#)



[Download PDF Pattern Recognition applied in Alcohol and LPG Fuel : Concepts and Methods. Application of Artificial Neural Networks and Fuzzy Inference System.](#)

## Related Kindle Books



### HBR Guide to Getting the Right Work Done

Ingram Publisher Services Feb 2013, 2013. Taschenbuch. Condition: Neu. Neuware - IS YOUR WORKLOAD SLOWING YOU-AND YOUR CAREER-DOWN Your inbox is overflowing. You're paralyzed because you have too much to do but don't know where...

[Read Book](#)

»



### Business books (Book Guide) : Peter Principle, Airlines of North America, The Dilbert principle, The Joy of Work, The 33 Strategies of War, The Law of Success, Identifying and Managing Project Risk, Blue

Reference Series Books LLC Mrz 2012, 2012. Taschenbuch. Condition: Neu. Neuware - Source: Wikipedia. Commentary (books not included). Pages: 89. Chapters: Peter Principle, Airlines of North America, The Dilbert principle, The Joy of Work, The...

[Read Book](#)

»



### Pocket Guide to APA Style

Wadsworth Publishing Cengage Learning EMEA Sep 2016, 2016. Taschenbuch. Condition: Neu. Neuware - The POCKET GUIDE TO APA STYLE, 5E is an essential tool for writing research papers across the disciplines. Concise and thorough, the...

[Read Book](#)

»



### The Servant King: The Bible's portrait of the Messiah

Regent College Publishing 2003-05, 2003. Condition: New. This item is printed on demand. Brand new book, sourced directly from publisher. Dispatch time is 4-5 working days from our warehouse. Book will be sent in robust,...

[Read Book](#)

»



### Studyguide for Biomaterials: The Intersection of Biology and Materials Science by Temenoff, Johnna S., ISBN 9780130097101 (Paperback)

CRAM101, United States, 2011. Paperback. Condition: New. Language: English . Brand New Book \*\*\*\*\* Print on Demand \*\*\*\*\*.Never HIGHLIGHT a Book Again! Includes all testable terms, concepts, persons, places, and events. Cram101 Just the FACTS101...

[Read Book](#)

»