

Expert Fuzzy Information Processing

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Olga Poleshchuk and Evgeniy Komarov

In essence, "Expert Fuzzy Information Processing," or FIP for short, a work co-authored by Professors Poleshchuk and Komarov, is an informative, authoritative, and up-to-date exposition of concepts and techniques which underlie processing of imperfect information—information ...

Use of Fuzzy Expert's Information in Measurement and What ...

Let us consider a priori expert's information as a fuzzy constraint for the parameter vector X and given by the set of membership functions $m(f(X))$. The methods of an expert's information acquisition and its propagation through are discussed in [20]. I thmopr bl w p rio nf atl cb e sd optimization problem with fuzzy ...

Hesitant Fuzzy Information Processing Based on the ...

posed hesitant fuzzy information processing approach, in particular in solving multi-criteria problem for selection of the most efficient transport company from the set of the existing alternatives. Keywords: hesitant fuzzy ...

Implementing a fuzzy expert system for ensuring ...

decisions about life insurance with fuzzy processing by assessing risks (Montequin, Cousillas, Alvarez, & Villanueva, 2016). Another expert system is suggested for recognizing group violations in ...

ISSN: 1992-8645 FUZZY MODELING AND CONTROL OF THE ...

based on methods for expert evaluations and fuzzy set theory (FST) [6-9]. If person making decisions, experts are competent and there is proper organization for their questioning, collecting and processing of uncertain information...

Fuzzy Control Systems

equations. Or a fuzzy control system may be seen as the implementation of the control strategy of a human expert. Understanding the functioning of

fuzzy control systems, ie the information processing taking place within the fuzzy ...

A fuzzy expert system for small business loan processing

A Fuzzy Expen System Journal of International Information Management A fuzzy expert system for small business loan processing Vipul K Gupta Saint Joseph's University Serkan Celtek University ...

Multi-sensor Data Fusion Based on Fuzzy Neural Network and ...

Therefore, these systems can take advantage of expert experience well to deal with problems involved in processing fuzzy information Such problems are difficult to solve by using

Foundations of Neural Networks, Fuzzy Systems, and ...

fuzzy rules 205 36 Fuzzy information retrieval and fuzzy databases 208 37 Fuzzy expert systems 215 38 Pattern recognition and classification, fuzzy clustering, image and speech processing 223 39 Fuzzy ...

FUZZY SYNTHETIC EVALUATION MODEL BASED ON THE ...

discovery and information processing methods also have been formed ie, decision tree-based machine learning methods, support vector machine-based statistics learning meth-ods If we regard the accumulated information ...

PREDICTING URBAN TRIP GENERATION USING A FUZZY ...

Fuzzy Expert Systems Digital data processing for optimizing human decisions has been developed in the recent decades In order to help managers and decision-makers, management information ...

FUZZY LOGIC INTEGRATION FOR LANDSLIDE HAZARD ...

The derivation of membership functions is crucial in fuzzy information processing and the lack of simple and generally expert's opinion and the mineral deposit model Most of studies for mineral potential mapping, assignment of fuzzy membership functions are based on expert...

RESEARCH Open Access A fuzzy model for processing and ...

the data acquisition and processing (sorting, transforming, among others) it into useful information, conducting pre-diagnosis and providing, when necessary, alert signs to the medical staff Conclusions: The use of fuzzy ...

Fuzzy Logic on the Frontiers of Decision Analysis and ...

consuming, context dependent information processing process The human decision maker is considered in analogy to a computer system, ie data and knowledge has to be fed into the system This and the type of information processing ...