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frequency control of multisource A Hybrid Fuzzy System Based Cooperative Scalable and Secured Localization Scheme A Hybrid Fuzzy Logic And

Thus, this study investigates and proposes a Page 14/55

method for improving a traditional range-free-based localization method (centroid) that uses soft computing approaches in a hybrid model. This model integrates a fuzzy logic system into centroid and Page 15/55

uses an extreme learning machine (ELM) optimization technique to capitalize on the strengths of both approaches: the former is properly used with low node density and short coverage, while the latter is used for Page 16/55

the opposite-to achieve a robust ...

A hybrid model using fuzzy logic and an extreme learning ...

A hybrid fuzzy logic proportional integral Page 17/55

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Fuzzy logic plays an or important role in many construction engineering and management applications, which are reviewed in this paper. This paper discusses the limitations of fuzzy logic and how this theory Page 20/55

has been combined with other modeling techniques to develop fuzzy hybrid techniques, and describes the aspects of construction problems and decision making that are most effectively modeled using these Page 21/55

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Abstract and Figures. This paper investigates the design of a fuzzy logic PID Page 22/55

controller that uses a simplified design scheme. Fuzzy logic PD and PI controllers are effective for many control ...

(PDF) Hybrid fuzzy logic PID controller ResearchGate
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In a hybrid fuzzy weights-ofevidence model, knowledgebased fuzzy membership values are combined with data-based conditional probabilities to derive fuzzy posterior probabilities. Moreover, Page 24/55

Tahmasebi and Hezarkhani (2010a) applied FL to predict the grade in case of lack of data which showed that this method can provide better results.

A hybrid neural networks— Page 25/55

fuzzy logic genetic For
algorithm for ...

Soft Computing (SC) consists of several computing paradigms, including fuzzy logic, neural networks, and genetic algorithms, which can be used to create

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powerful hybrid intelligent systems. Combining type-2 fuzzy logic with traditional SC techniques powerful hybrid intelligent systems can be built for solving complex control problems.

Interval Type 2 Fuzzy Logic
for Hybrid Intelligent
Control...

Fuzzy Logic Control for
Parallel Hybrid V ehicles
Niels J. Schouten, Mutasim
A. Salman, and Naim A. Kheir
Abstract— In this paper, a
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fuzzy logic controller is developed for hybrid vehicles with...

hybrid approach employed both fuzzy logic and evolution algorithm. Tsukamoto Fuzzy Inference System has an advantage in the classification and...

(PDF) Dental Disease
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Detection Using Hybrid Fuzzy

This review suggests that hybrid-fuzzy modeling approach works well in many applications of hydrology when compared with pure fuzzy logic modeling. In Page 31/55

recent years, fuzzy logic has emerged as a powerful technique in the analysis of hydrologic components and decision making in water resources.

A basic review of fuzzy
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logic applications in
hydrology ...

Neuro-fuzzy hybridization results in a hybrid intelligent system that synergizes these two techniques by combining the human-like reasoning style Page 33/55

of fuzzy systems with the learning and connectionist structure of neural networks. Neuro-fuzzy hybridization is widely termed as fuzzy neural network (FNN) or neuro-fuzzy system (NFS) in the Page 34/55

literature. Neuro-fuzzy system (the more popular term is used henceforth) incorporates the human-like reasoning style of fuzzy systems through the use of fuzzy ...

Neuro-fuzzy - Wikipedia Govinda Chowdary V., Udhay Sankar V., Mathew D., Hussaian Basha C., Rani C. (2020) Hybrid Fuzzy Logic-Based MPPT for Wind Energy Conversion System. In: Das K., Bansal J., Deep K., Page 36/55

Nagar A., Pathipooranam P., Naidu R. (eds) Soft Computing for Problem Solving. Advances in Intelligent Systems and Computing, vol 1057.

Hybrid Fuzzy Logic-Based
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MPPT for Wind Energy Conversion ...

In this thesis, two fuzzy logic controllers have been developed for the energy management system of the hybrid vehicle. For the first controller, it is

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assumed that the vehicle will work like a plug-in hybrid vehicle.

Fuzzy Logic Controller for
Parallel Plug-in Hybrid
Vehicle
Buy Design of Hybrid Fuzzy
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Fuzzy Logic, Neural
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researchers and engineers with up-to-date coverage of new results, methodologies and applications for building intelligent systems capable of solving large-scale problems.

Intelligent Hybrid Systems **SpringerLink** Candidate-well selection (CWS) aims to recognize wells that have potential for higher production after hydraulic fracturing stimulation in petroleum Page 43/55

development process, which is natural nonlinear, strongcoupling, uncertain, multiinput, and single-output mathematical problem. CWS hybrid intelligence model is developed by integrating widely applied fuzzy logic Page 44/55

systems (FLS), namely, type-2 Takagi-Sugeno-Kang (T2-TSK) FLS, with grey clustering analysis (GCA) for hydraulic fracturing in H gas ...

Fuzzy logic and grey Page 45/55

clustering analysis hybrid

Therefore, to determine the optimal path of motion, the hybrid Fuzzy-Genetic method was used. In Fuzzy logic, distance from the nearest obstacle and the angle Page 46/55

difference with the target node were selected as the two node-to-node routing criteria. To reduce the traveled distance in the Fuzzy method, the Genetic algorithm was used to optimally adjust the Fuzzy Page 47/55

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these advancements. The journal focuses on the disciplines of industrial engineering, control engineering, computer science, electrical engineering, mechanical engineering, civil Page 54/55

engineering, management engineering and others.

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