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Abstract Details

Title: Role of Soft Computing Techniques in Real World Applications

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Abstract: Soft Computing (SC) reflects the fact that the human mind possesses a remarkable ability to store and process information which is pervasively imprecise, uncertain and lacking in categoricity. It has been used to obtain quick and accurate solutions. Soft computing techniques have been explored and many applications found within various research areas and application domains. Many soft computing techniques have been specifically developed for certain application domains. In this paper, an overview of different application areas is discussed, where the Soft Computing Techniques have been applied, and then critically analyzed the work done by the various researchers in the field of soft reliability.

Keywords: Fuzzy Logic (FL), Neural Networks (NN), Genetic Algorithm (GA), Bee Colony Optimization (BCO).