

Special Issue

Fuzzy Decision Making and Soft Computing Applications

Message from the Guest Editors

Research on Fuzzy Logic and Soft Computing in the field of Decision Making has a long history, but it is still attractive for the possibility of solving many practical problems with the peculiarities of systems built by these approaches. In particular, often, decision-making systems should deal with uncertain data. Moreover, in some fields of application, such as differential diagnosis in medicine, a meaningful confidence measure is required to be associated with the classification result, in order to show all possible outcomes with the relative likelihood. Finally, in the last few years, increasing regard has been paid to semantically meaningful systems, for encapsulating them in interactive frameworks of cognitive systems, or for enabling validation by domain experts, by providing clear and logical interpretation of the inference process.

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