



Fuzzy Relations and Applications

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Description:

Fuzzy relations are a useful tool to determine whether there exists a relationship between objects when the information about them is affected by some type of uncertainty or when the criteria to analyze them are imprecise or subjective. The theoretical study of such relations has become a research field causing a great deal of development. This theoretical development has been closely linked to an increasing number of applications, making the interest in them increases much more rapidly, to many different areas as image processing, machine learning, decision making, pattern recognition, fuzzy control, medical diagnosis, social sciences and robotics, just to mention a few of them. This special session aims to provide an appropriate forum for researchers to exchange their ideas and approaches and to share the latest developments in this field, both from a theoretical and an applied viewpoint.