

Special Session

**Special Session NF\_SS5: Fuzzy Logic in Pattern Recognition and Medical Applications**

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The main goal of this special session is to bring together relevant contributions on the use of fuzzy logic for pattern recognition and medical applications. Recently fuzzy logic theory has been receiving increasing attention in numerous applications, and in particular in pattern recognition and medical applications. In addition, recent advancements in fuzzy logic, like type-2 fuzzy systems, intuitionistic fuzzy logic, shadow sets and so on, have made possible solving even more difficult real world problems. For these reasons, we are soliciting original contributions in the following topics, but not limited to:

Type-2 Fuzzy Systems in pattern recognition

Intuitionistic Fuzzy Logic in pattern recognition

Type 2 Fuzzy Logic in Image Processing and Edge Detection

Pattern Recognition in Medical Image Processing

Fuzzy Logic in Classification and Diagnosis for Medical Applications

Applications in Human Recognition, Hypertension, Cancer, Diabetes, etc.

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