

# Fuzzy Implication Functions

## Description:

Fuzzy Implication Functions are a generalization of the classical two-valued implication to the infinite-valued setting. They play an important role both in the theory and application, as can be seen from their use in, among others, Multi-Valued Logic, Approximate Reasoning, Fuzzy Control, Image Processing and Data Analysis. The goal of this invited session is to bring together researchers interested in recent advances in the theory of fuzzy implications, concerning, among others, characterizations, representations, generalizations and their relationships with fuzzy negations, triangular norms, uninorms and other fuzzy logic connectives.

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