



2011 IEEE International Conference on Fuzzy Systems

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Call for Papers

SS33: Special Session on Fuzzy and Paraconsistent Intelligent Systems

Submission Deadline: January 15, 2011

http://fuzzieee2011.nutn.edu.tw/Special_Sessions.htm

Very imaginative theories has been proposed to overcome where classical logic are not suitable; perhaps the most famous is Fuzzy set theory, as proposed by Zadeh. The appearance of so-called non-classical logics is a result of the intense development of Artificial Intelligence, Automation and Robotics, overcoming the limitations of the classical logic and extensions. In this session we are focused in technique and logics alternatives to the classical logic concerning applications and theoretical aspects. In fact, one central question that we face in application is the concept of uncertainty, paraconsistency, and paracompleteness. Paraconsistent logical systems are very useful for applications in general opening new ways of applied techniques.

Topics of interest include, but are not limited to:

Automation and Robotics

Decision-making based on non-classical systems

Paraconsistency and Biomedicine

Paraconsistent Logics and Applications

Paraconsistent Knowledge

Para-Fuzzy Logic Controller

Paraconsistent Artificial Neural Network

Control Systems

Extended Vector Annotated Logic Program with Strong Negation

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