

Special Session on:



Fuzzy Systems in Industry FSI'17

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The development and the implementation of algorithms based on the fuzzy concept in various modern engineering applications play a very important role in order to master these systems. The decision making based on fuzzy system is one way to overcome the absence problems of complex analytic models, where the advantage of fuzzy system is that it allows to represent the behavior of these systems by if-then relations. In order to propose innovative approaches extends to the industrial branches which present a strong potential development for the modern engineering in industry. Whereas, the main aim of this proposal special session on fuzzy systems is to bring together scientists and industrial actors, to generate debate and to exchange ideas and experiences on the progress in applicative research using fuzzy tools on industry. The topics of interest include, but are not limited to, the following;

- Fuzzy in control automation systems
- Fuzzy modeling and identification
- Fuzzy in decision making
- Fuzzy in industrial diagnosis and prognostics systems
- Fuzzy system classification and optimization
- Fuzzy in management system
- Fuzzy lifetime distribution modelling
- Fuzzy reliability and failures analysis
- Adaptive Network Based Fuzzy Inference System (ANFIS)