
Editorial

Adil Baykasoglu

Department of Industrial Engineering,
Faculty of Engineering,
Dokuz Eylul University,
Tinaztepe Campus, 35397 Buca, Izmir, Turkey
Fax: +90 (232) 3017607
Fax: +90 (232) 3017608
E-mail: adil.baykasoglu@deu.edu.tr
E-mail: baykasoglu@gmail.com

Welcome to the *International Journal of Data Analysis Techniques and Strategies*' special issue for 'FUZZYSS'2013: 3rd International Fuzzy Systems Symposium'.

Fuzzy logic was proposed by Prof. Lotfi A. Zadeh as a new approach to model vagueness in any kind of systems. Since its introduction fuzzy logic and systems has found numerous applications in many diverse areas. Fuzzy logic is still an exciting research domain with many challenging problems and applications. There are many tools and techniques for modelling and analyses of uncertainty in the form of fuzziness in systems. However, proper use of these tools and techniques needs some expertise which needs to be shared among researchers and practitioners in order to enhance fuzzy logic theory and its helpfulness. Based on this enthusiasm, we have organised FUZZYSS'2013 and arranged the present special issue. In the present special issue, the readers will find some of the new applications of fuzzy logic and systems to several interesting problems.

The present special issue contains some of the good quality original research papers, which were presented orally and discussed during the 'FUZZYSS'2013: 3rd International Fuzzy Systems Symposium, Istanbul, Turkey, 24–25 October 2013', were selected for the present special issue. After the re-submission of the revised manuscripts, and rigorous refereeing processes, five papers out of seven papers were finally considered for the publication in the scheduled special issue of *International Journal of Data Analysis Techniques and Strategies*. We would like to thank to Prof. John Wang (the editor of *International Journal of Data Analysis Techniques and Strategies*) for giving us the opportunity to prepare this special issue. This special issue provides the reader a collection of five articles, which offers an exclusive perspective on the topics ranging from fuzzy modelling of time series with fuzzy functions; software fault prediction; inventory allocation in assembly line balancing; route prioritisation in transportation; sub-assembly detection in line balancing.