**Special Issue on Neutrosophic Set and Its Applications**

Neutrosophic set is a generalization of fuzzy set and of intuitionistic fuzzy set. The key distinction between the neutrosophic set and other types of sets is the introduction of the degree of indeterminacy / neutrality (I) as independent component in the neutrosophic set.

In the neutrosophic set, the degree of membership-truth (T), the degree of indeterminacy (I), and the degree of non-membership-falsehood (F) are independent, therefore their sum (as single valued numbers) can be up to 3.

Neutrosophic set has been used in solving problems that involve indeterminacy, uncertainty, impreciseness, vagueness, inconsistent, incompleteness etc.

In the past years the field of neutrosophic set, logic, measure, probability and statistics, precalculus and calculus etc. have been extended and applied in various fields.

For more information, see the University of New Mexico’s website on neutrosophics: <http://fs.gallup.unm.edu/neutrosophy.htm> .

This special issue of Annals of Fuzzy Mathematics and Informatics (AFMI) invites original research papers that report on state-of-the-art and recent advancements in neutrosophic set to

artificial intelligence, data mining, soft computing, decision making in incomplete, indeterminate, inconsistent information systems, image processing, computational modelling, robotics, medical diagnosis, biomedical engineering, investment problems, economic forecasting, social science, humanistic, and practical achievements.

The papers are peer-reviewed by three independent researchers.

The papers should be sent by e-mail, in WORD format, to the guest editor:

Prof. Florentin Smarandache, University of New Mexico, United States ( [smarand@unm.edu](mailto:smarand@unm.edu), [fsmarandache@gmail.com](mailto:fsmarandache@gmail.com) ).

**Important Dates**

*Paper submission Opened: 10 October 2016*

*Paper Submission Deadline: 10 December 2016*

*Notification of Initial Decision: 10 January 2017*

*Final Manuscripts Due: 20 January 2017*

*Expected Publication Date: 30 January 2017*