

Tentative Outline

Title of the Thematic Issue: Neutrosophic Theory and Applications

Guest Editors: Prof. Jun Ye and Prof. Florentin Smarandache

Aims & Scope:

Neutrosophic set, logic, probability, statistics are generalizations of fuzzy and intuitionistic fuzzy set and logic. Neutrosophic set and logic are gaining significant attention in solving many real problems that involve uncertainty, impreciseness, vagueness, incompleteness, inconsistent, and indeterminacy. They have been applied in computational intelligence, multi-criteria (group) decision making, image processing, medical diagnosis, fault diagnosis, control design, rock mechanics etc.

This special session invites original research papers that report on state-of-the-art and recent advancements in neutrosophic set and logic to soft computing, artificial intelligence, big and small data mining, decision making problems and practical achievements in engineering applications.

Keywords: # Neutrosophic, artificial intelligence, computational modelling, Linguistic neutrosophic

Subtopics:

- Neutrosophic set in intelligent systems
- Neutrosophic set, neutrosophic logic and its various applications
- Neutrosophic set approach to artificial intelligence
- Neutrosophic set-based software engineering
- Neutrosophic set-based image processing
- Neutrosophic set-based decision making
- Neutrosophic set-based data mining
- Neutrosophic set-based decision support systems
- Neutrosophic set-based computational modelling
- Neutrosophic set-based robotics
- Neutrosophic set-based knowledge discovery in databases
- Neutrosophic set-based medical diagnosis
- Neutrosophic sets-based multi-criteria (group) decision making problems
- Neutrosophic sets-based clustering analysis and pattern recognition
- Neutrosophic set-based economic forecasting
- Neutrosophic set-based bio-medical engineering
- Neutrosophic probability, neutrosophic statistics, neutrosophic measure theory
- Neutrosophic neural networks and applications
- Neutrosophic graph and applications
- Complex neutrosophic set, complex neutrosophic logic, theory and applications

- Complex neutrosophic set-based medical diagnosis
- Complex neutrosophic set-based multi-criteria (group) decision making
- Neutrosophic applications in any field of knowledge
- Neutrosophic linguistic theory and applications
- Linguistic neutrosophic theory and applications

Schedule:

Manuscript submission deadline: 1st October 2019

Peer Review Due: 15th November 2019

Revision Due: 15th December 2019

Announcement of acceptance by the Guest Editors: 15th January 2020

Final manuscript due: 28th February 2020