

Special Issue on  
**Applications of Neural Networks and Fuzzy Logic in  
Operations Research**

# CALL FOR PAPERS

As it is known, artificial neural networks (ANN) and fuzzy set theory have widespread applications in all areas of operations research (OR) including theory, algorithms, and applications. Modelling the uncertainty of real world phenomena, increasing the efficiency of algorithms, and constructing large scale models are some important applications of ANN and fuzzy set theory in OR. In recent years, these applications have had a rapid growth from both theoretical and practical points of view (such as reinforcement learning and neurodynamic programming).

The aim of this special issue is to provide an opportunity to researchers to contribute, share, and present their recent and up to date findings with scientists all over the world. Thus the scope of this special issue includes applications of ANN and fuzzy set theory in all areas of OR.

Potential topics include but are not limited to the following:

- ▶ Linear and nonlinear programming
- ▶ Game theory
- ▶ Transportation and Logistics Optimization
- ▶ Large scale optimization
- ▶ Optimal control
- ▶ Calculus of variations
- ▶ Clustering and classification
- ▶ Robust optimization
- ▶ Network optimization
- ▶ Optimal control theory
- ▶ Approximate dynamic programming
- ▶ Production and inventory control

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