



## CALL FOR PAPERS

### Special Session on “Computational Intelligence Optimization Techniques for Engineering Applications”-(CIOTEA)

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**Theme of Session:** Computational Intelligence Optimization Technique for Engineering Applications (CIOTEA)

[The main aim of this special session is to](#)

bring together academicians, researchers and practitioners and share their knowledge and experience in the areas of applying computational Intelligence(CI) to solve various engineering optimization problems with multi discipline perspective.CI is an evolving field and at present in addition to the three main constituents of neural network, fuzzy logic and nature Inspired algorithms, it encompasses computing paradigms like ambient intelligence, artificial life, cultural learning, artificial endocrine networks, social reasoning, and artificial hormone networks. In recent past considerable attention have been made to implement computational Intelligence for optimization problems. Optimization is a procedure of achieving the best use of resource or situation. Optimization can be achieved by maximizing or minimizing the objective function of the given engineering problem. Optimization thus leads to achieving minimal cost, maximum



efficiency, maximum profit, minimum error, optimal design, optimal management, optimal decision making and many more.

**Topics of Interest:**

We invite original (un-published) research contributions based on the above mentioned theme including following topics **but not limited to:**

Various Engineering Optimization algorithms based on

Neural Networks

Fuzzy logic

Genetic algorithm

Differential Evolution

Particle swarm optimization

Ant colony optimization

Bat algorithm

Firefly algorithm

Artificial bee colony algorithm

Cuckoo search algorithm

Bacterial foraging algorithm

Group search optimization

Flower Pollination Algorithm

**Paper Submission Process:**

Please submit your paper (in word/pdf format) at

Email: [rhareish@gmail.com](mailto:rhareish@gmail.com)

With 'Name of Special Session:' mentioned in the subject line.



**Program Committee:** Name(s), Affiliation(s)

**For any further queries related to this special session, please contact the session chairs at:**

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