

Call for Papers**Special Issue:** Evolutionary Intelligence techniques for Humanized computing**Aims and Scope:**

Evolutionary intelligence serves as a powerful tool to mimic and process human knowledge. This has yielded a spectrum of intelligent computing approaches to optimize multidisciplinary engineering applications. Although 'Intelligent Computing' is a developed area of research, many new findings are being evolved by researchers in multitude of applications. It is known that hybridization of computational approaches with traditional engineering methodologies and applications has become a topic of increasing interest for both researchers and developers globally from academia as well as industries.

The theme will address advances in theories, concepts (mathematical as well as physical) and methodologies of Evolutionary Computations, Nature inspired algorithms, artificial intelligence, soft computing & machine learning where they could be applied to numerous interdisciplinary domains of engineering as well as bio-medical for aiding to human conveniences. The purpose of this special issue is to publish high-quality research papers addressing recent advances on Evolutionary intelligence and its application in engineering. The theme covers following topics:

Algorithms

- Evolutionary Computation
- Swarm Intelligence
- Artificial Neural Networks
- DNA and Molecular Computing
- Membrane Computing
- Biological Computing (Bio-inspired computing)
- Artificial Immune Systems
- Autonomy-Oriented Computing
- Agent based Systems
- Computational Neuroscience
- Fuzzy Systems
- Genetic Algorithms
- Hybrid Systems
- Multi-/Many-Objective Optimization
- Nature inspired algorithms

Applications

- Multimedia & Text Processing
- Computational Neuroscience
- Pattern Recognition and Machine Learning

- Signal, Image and Video Processing
- Speech Processing
- Data Fusion
- Knowledge Discovery and Data Mining
- Expert Systems
- Information Security
- Computer Vision
- Cloud Computing
- Nanotechnology
- Web and Networks
- Bio-informatics
- Parallel Computing
- Natural Language Processing
- Human computer interactions
- Gesture analysis
- Robotic vision systems
- Biometrics, Security and Forensics Applications

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Proposed Timelines:

Release of First Call for Papers: 31st March 2018

Submission Deadline: 22nd May 2018

Original unpublished papers can be submitted directly to the journal submission system. While submitting online select>> SI: Evolutionary Intelligence techniques for Humanized computing.

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