

NEW TITLE

International Journal of

Innovative Computing and Applications

Scope of the Journal

IJICA proposes and fosters discussion on all new computing paradigms and corresponding applications to solve real-world problems. It will cover all aspects related to evolutionary computation, quantum-inspired computing, swarm-based computing, neuro-computing, DNA computing and fuzzy computing, as well as other new computing paradigms

Subject coverage:

Suitable topics include, but are not limited to:

- *Evolutionary Computation*
 - Evolvable hardware
 - Evolutionary algorithms
 - Evolution strategies
 - Multi-objective evolutionary algorithms
 - Applications
- *Genetic Programming*
 - Program encoding
 - Variants of genetic programming
 - Genetic systems programming
- *Quantum Computing*
 - Quantum algorithms
 - Quantum logic
 - Nanocomputing
 - Complexity
 - Quantum cryptography and other applications
- *DNA Computing*
 - Encoding DNA strands
 - DNA-based algorithms
 - Bio-inspired systems
- *Swarm-based Computing*
 - Swarm-based algorithms
 - Memetic algorithms
 - Artificial life
 - Ant colony optimisations
 - Efficient meta-heuristics
 - Particle swarm optimisation
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 - Neural networks
 - Learning methods
 - Machine learning
 - Stochastic computing
 - Software simulation
 - Hardware emulation

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 - Fuzzy logic and fuzzy sets
 - Fuzzy controllers
- *New Trends*



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Innovative Computing -- Editorial

Nadia Nedjah and Luiza de Macedo Mourelle

An Empirical Evaluation of Eight Two-Class Constructive Neural Network Algorithms in Classification Tasks

M. C. Nicoletti, J. R. Bertini Jr.,

E. R. Hruschka Jr.

Beam-ACO for Assembly Line Balancing: A Hybrid Ant Colony Optimization Algorithm

Christian Blum

Constant Creation with Grammatical Evolution

Ian Dempsey, Michael O'Neill and

Anthony Brabazon

A Fuzzy Adaptive Turbulent Particle Swarm Optimization

Hongbo Liu, Ajith Abraham and Weishi Zhang

Evolutionary Design and Applications of Hybrid Intelligent Systems

Oscar Castillo, Patricia Melin

Evolutionary Synthesis of Digital Circuits

Lukas Sekanina

MALLBA: A Software Library To Design Efficient Optimization Algorithms

E. Alba, G. Luque, J.M. Nieto, G. Ordóñez,

G. Leguizamón

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