

International Journal of

Computational Complexity and Intelligent Algorithms

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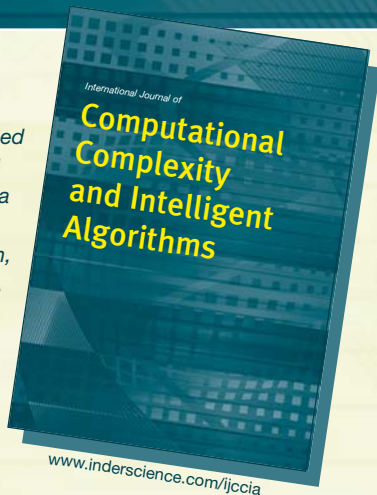
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Scope of the Journal

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Modern systems are becoming more sophisticated but traditional analytic- and numeric-based methods have sufficed until now, frequently simplifying problems to allow analytical tractability. To deal comprehensively with the new systems, a wide range of intelligent methodologies and techniques (including intelligent algorithms of computation, optimisation, control and system theory) are increasingly required. IJCCIA aims to become a leader in the exciting field of computational intelligence theory and its applications, with the emphasis on analysis and measurement of computational complexity.



Topics covered include:

- Soft/nature-inspired/bio-inspired computing (heuristic algorithm development)
- Novel intelligent algorithms development
- Computational complexity analysis
- Complexity measures
- Numerical analysis, stability
- Review/analysis/comparison of intelligent algorithm models
- Computer simulations and visualisation
- Software and hardware implementation of intelligent algorithms
- Review and comparison studies of algorithms and techniques
- Multidisciplinary research combining
- Algorithms/modelling/optimisation/scheduling/control
- Mathematical modelling/analysis of physical/chemical/biological/environmental/ industrial processes
- Optimisation techniques
- Statistical simulations and techniques
- Neural networks and complex network modelling/theory
- Case studies and practical applications

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