

Call for Papers:

Special Issue on “Engineering Applications of Evolutionary Algorithms”

**International Journal of Engineering, Science and Technology (IJEST)**

**Call for Papers**

Special Issue on: **“Engineering Applications of Evolutionary Computation”**

Evolutionary algorithms are powerful nature-inspired optimization algorithms. They model the essential elements of biological evolution and explore the solution space by gene inheritance, mutation and selection of the fittest candidate solutions. Evolutionary methods have proven their success on various hard and complex optimization problems. This special issue will focus on the engineering applications of evolutionary computation, e.g. genetic algorithms, evolution strategies, genetic programming, particle swarm optimization, ant colony optimization, artificial immune systems, estimation of distribution algorithms, differential evolution, and memetic algorithms.

The aim of this special issue is to reflect recent advances in the practical aspects of evolutionary computation. Topics of interest include, but are not limited to:

- Engineering design
- Intelligent systems
- Wireless networks and sensor networks
- Scheduling
- Computer vision and image processing
- Database management and design
- Intelligent transportation systems
- Decision support systems
- Control systems
- Data mining
- Case studies of industrial applications

**Submission Guidelines and Important Dates**

Manuscripts should be in English and normally not exceed 7000 words in length (single column, 10 pt running text, double spacing, Times New Romans). All contributions will be subjected to a blind review process. Manuscripts must be sent electronically to the following email addresses:

tphong@nuk.edu.tw, ckting@cs.ccu.edu.tw, sa\_oke@yahoo.com

with the subject title as: Special Issue on “Engineering Applications of Evolutionary Computation” in Word document (Microsoft Word 97/2000/2003 version) not later than October 31, 2010. The official website of the journal is found at [www.ijest-ng.com](http://www.ijest-ng.com).

Important dates are as follows:

Deadline for full paper submission:	<b>October 31, 2010</b>
First turn of paper review:	<b>January 31, 2011</b>
Second turn of paper review:	<b>March 31, 2011</b>
Final (Camera-ready) paper submission:	<b>April 30, 2011</b>

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