

[Individual Subscriber Registration](#) | [Login](#) | [Forgot Password?](#) | [Author Login](#) | [Author Registration](#) | [Forgot Password?](#) | [My Shopping Cart](#)

SEARCH

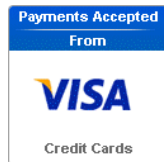
[Home](#) | [About](#) | [Journal](#) | [Book & Monographs](#) | [Institutional Price List](#) | [Conference](#) | [Contact Us](#)

Journal Menu

[Journal Home](#)
[Editorial Board](#)
[Guidelines for Authors](#)
[Subscribe](#)
[Content](#)

Categories

[Computer Science](#)
[Engineering and Technology](#)
[Mathematics \(Applied\)](#)
[Mathematics \(Pure\)](#)
[Oceanography](#)
[Physics](#)
[Statistics and Probability](#)
[All Journals](#)



Advances in Computer Science and Engineering

Advances in Computer Science and Engineering

Volume 8, Issue 1, Pages 45 - 56 (February 2012)

A NOVEL HYBRID ARTIFICIAL BEE COLONY ALGORITHM AND DIFFERENTIAL EVOLUTION FOR UNCONSTRAINED OPTIMIZATION PROBLEMS

A. Alizadegan, M. R. Meybodi and B. Asady

Received April 8, 2011

Abstract

ABC (Artificial Bee Colony) algorithm is one of the most popular approaches that is used in optimization problems. ABC overcomes other well-known heuristic methods, such as GA, PSO and DE (Differential Evolution). In this paper, we propose a hybrid ABC-DE algorithm that combines properties of ABC and DE approaches. The results show that our proposed algorithm is better than both ABC and DE and other methods.

Keywords and phrases: artificial bee colony, differential evolution, numerical function optimization.

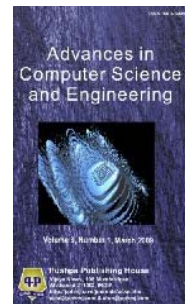
BACK



ADD TO MY CART

[Previous](#) [Next](#)

ISSN: 0973-6999



LATEST ISSUE

SUBMIT ON ARTICLE

SEARCH WITHIN JOURNALS

[Home](#) | [Journals](#) | [Books & Monographs](#) | [Institutional Price List](#) | [Refund Policy](#) | [Disclaimer Policy](#) | [Privacy Policy](#) | [Shipping & Delivery](#)

[Terms and Conditions](#)

This website is best viewed at 1024x768 or higher resolution with Microsoft Internet Explorer 6 or newer.

Copyright 2012