CALL FOR BOOK CHAPTERS

Book series title: Studies in Computational Intelligence (Scopus Indexed) (https://www.springer.com/series/7092)

Book title: Recent Advances on Memetic Algorithms and its applications in Image Processing.

Editors:

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Scope of the book:

Memetic Algorithms (MAs) are a class of stochastic global search heuristics in which the problem-specific solvers are combined with Meta-heuristics approaches. MAs might be implemented by incorporating heuristics, approximation algorithms, local search techniques, specialized recombination operators, truncated exact methods, etc., in Meta-heuristics algorithms. The performance of MAs is strictly accordance with the amount and quality of the problem knowledge they incorporate. Knowledge incorporation is meant to either to improve the solution quality, or to accelerate the convergence, or to reach solutions that would otherwise be unreachable by evolution or a local method alone.

In recent years, many researchers have been focused on the use of Memetic algorithms for Image processing applications. The aim of this edited book is to bring out the original research on innovative and emerging areas of Memetic algorithms for image processing applications.

Topics of Interest:

The topic of interests are given below: (but not limited to)

Memetic Algorithms in

- Differential Evolution for image processing
- Gray wolf optimization for image processing

- Bat algorithm for image processing
- Ant colony optimization for image processing
- Artificial Bee colony algorithm for image processing
- Particle Swarm optimization for image processing
- Fire fly optimization algorithm for image processing
- Cuckoo Search algorithm for image processing
- Water wave optimization for image processing
- Plant optimization algorithm for image processing
- Lion optimization algorithm for image processing
- Bull optimization algorithm for image processing
- Chemical reaction algorithm for image processing
- Elephant herding optimization for image processing
- The raven roosting algorithm for image processing
- Bumble bees mating optimization for image processing
- Any other Meta-heuristic Algorithms for image processing applications

IMPORTANT DATES:

1-Page Abstract (with title, keywords and author details):	**25th April, 2019.**
Abstract decision (acceptance/rejection) notification:	**30th April, 2019.**
Submission of full chapter:	**25th May, 2019.**
First review notification:	**15th July, 2019.**
Submission of revised chapters (camera ready):	**15th August, 2019.**
Tentative Publication**:**	**November, 2019.**

Submission Procedure:

Prospective authors are invited to submit 1-page write up (with abstract of 200-250 words and 6 keywords) of the chapter along with title of the chapter, author details and table of content of chapter. Abstract should highlight the novelty and contribution of the proposed chapter. The abstract/full chapter should be uploaded via easy chair link: https://easychair.org/conferences/?conf=memetic19

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