

Special Session
on
Swarm Intelligence: Recent techniques and Applications in expert systems
at
22nd International Conference on Soft Computing and Pattern Recognition
(SoCPaR'22)
on
World Wide Web

December 14-16, 2022

<http://www.mirlabs.org/socpar22>

Objectives and Scope

Swarm Intelligence simulates the collective behavior of decentralized or self-organized natural or artificial systems, which work based on local interactions of the individuals with each other and with their environment. Behavior of many living organisms like animals, birds, insects which act together to attain their objective and even organization of artificial systems which coordinate in an orientation are simulated as swarm intelligence algorithms. They can be effectively used for solving real world problems in variety of domains. Many researchers effectively implement swarm intelligence behavior for obtaining optimal solutions and still there exists a large scope for new ventures in this field.

This special session aims at bringing out quality papers on applications of the following swarm intelligence algorithms for various expert applications in healthcare, agriculture, education, retail, business, banking, space research etc.

Subtopics

The topics include, but are not limited to:

- Ant Colony Optimization
- Particle Swarm Optimization
- Artificial Bee Colony Algorithm
- Bat Algorithm
- Cuckoo Search Algorithm
- Firefly algorithm
- Fruit Fly Optimization Algorithm
- Flower Pollination Algorithm
- Spider Monkey Optimization Algorithm
- Grey Wolf Optimization Algorithm
- Ant Lion Optimizer
- Crow Search Algorithm
- Dragon Fly Algorithm
- Whale Optimization Algorithm
- Gravitational Search Optimization Algorithm etc.

Paper Publications

- Proceedings will be published in Lecture Notes in Networks and Systems, Springer (Indexed in SCOPUS, INSPEC, WTI Frankfurt eG, zbMATH, SCImago)
<https://www.springer.com/series/15179>
- Papers maximum length is 10 pages
- Papers must be formatted according to Springer format (Latex/word) available at:
<https://www.springer.com/de/authors-editors/book-authors-editors/manuscript-preparation/5636#c3324>

Important Dates

Paper submission due: September 30, 2022

Notification of paper acceptance : October 31, 2022

Registration and Final manuscript due : November 15, 2022

Conference: December 14-16, 2022

Special Session Chairs

- M.Akila, KPR Institute of Engineering and Technology, Coimbatore, India.
- R.Devi Priya, KPR Institute of Engineering and Technology, Coimbatore, India.
- V.Kavitha, Data Science and Business Systems, SRM Institute of Science and Technology, Chennai, India

Information Contact: R.Devi Priya < scrpriya@gmail.com >