

5TH INTERNATIONAL CONFERENCE ON INFORMATION SYSTEM DESIGN AND INTELLIGENT APPLICATIONS INDIA (2018)

19TH - 21ST July, 2018

Organised by University des Mascareignes, Mauritius

Important Dates

Last Date of Paper Submission

30th April, 2018

Notification of Acceptance

30th May, 2018

Camera Ready Copy

5th June, 2018

Publication

All accepted and registered papers of this special session will be published in Springer Advances in Intelligent Systems and Computing (AISC) series.

[Now indexed by: ISI Web of Science Proceedings, DBLP, Ulrich's, EI-Compendex, SCOPUS, Zentralblatt Math, MetaPress and Springerlink]

Submission Guidelines

1. Prospective authors are invited to submit original research work that falls within the scope of the session. All submissions will be thoroughly peer-reviewed by experts based on originality, significance and clarity.

2. Only papers presenting novel research results or successful innovative applications will be considered for publication in the conference proceedings.

3. Kindly ensure that your paper is formatted as per Springer AISC Template (not exceeding 8 pages written in A4 size).

Registration

Please visit conference webpage for registration and other details:

<http://www.indiaconf.org/>

Special Session on

“Machine Learning and Bio-Inspired techniques for Industrial Applications (MLBIA’18)”

Session Chair(s):

Prof. P.S.R.Chowdary and Dr. VVSSS Chakravarthy

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Theme of Session:

Many industrial applications require highly efficient computing models. Computing models are often derived using highly complexed conventional numerical techniques. In the recent past several Evolutionary and Meta-heuristic algorithms have emerged as promising computing tools providing solutions to many engineering problems in multiple disciplines. These models, inspired by biology is a way to make use of concepts, principles and mechanisms underlying biological systems. Bio-inspired techniques doesn't possess complexed numerical steps and are capable of handling multimodal problems with ease. As bio-inspired systems are being developed, many researchers have identified them as useful tools for engineering applications including optimization and adaptive engineering systems. Given an infinite time for computation, these techniques are capable of providing global optimum.

In spite of these advantages, there are several industrial applications where conventional numerical techniques are predominant even till now for several reasons. Considering this, the Session aimed to open deliberations on pros and cons of these novel techniques and tools

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along with the interest to explore the innovations in the contemporary research in the fields

Topics of Interest:

We invite original (un-published) research contributions based on the above mentioned theme including following topics **but not limited to**:

- Orthogonal Methods
- Hybrid deterministic/metaheuristic approach
- Gradient-based methods
- Modelling techniques for Electromagnetics
- Conventional and bio-inspired techniques for array synthesis
- Bio-inspired techniques for Wireless sensor networks
- Modelling and Simulation techniques in VLSI industry
- Techniques for Image Segmentation, watermarking and fusion
- Artificial Intelligence and Machine Learning
- Biomedical Informatics and Computation
- Techniques for Coding and Channel Analysis

Paper Submission Process:

Please submit your paper (in word/pdf format) at

Email: sameervedula@ieee.org

with '**Machine Learning and Bio-Inspired techniques for Industrial Applications**' mentioned in the subject line.

Program Committee:

Prof. Ganapati Panda, IIT-BBSR, Bhubaneswar, Odisha, India

Dr. Jaume Anguera Pros, Universitat Ramon Llull, Barcelona, Spain

Prof. P.Mallikarjuna Rao, Andhra University, Visakhapatnam, India

Prof. A.Malikarjuna Prasad, JNTUK, Kakinada, India

Dr. T.Venkateswara Rao, CR Reddy College of Engineering, Eluru, India

Dr.T.Sudheer Kumar, SVECW, Bhimavaram, India

For any further queries related to this special session, please contact the session chairs at:

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