

## CALL FOR PAPERS

### Special Session on “Bio-Inspired Modeling Techniques in Image Processing & Electromagnetics (BIE’18)”

#### Important Dates

**Last Date of Paper Submission**

28<sup>th</sup> Sep, 2018

**Notification of Acceptance**

5<sup>th</sup> Nov, 2018

**Camera Ready Copy**

10<sup>th</sup> Nov, 2018

#### Publication

SPRINGER-SIST series and submitted to ISI Proceedings, EI-Compendex, DBLP, SCOPUS, Google Scholar and Springer link \*\* for indexing

#### Submission Guidelines

Please submit your paper (in word/pdf format) only to Email:

[sameersree@gmail.com](mailto:sameersree@gmail.com)

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 SIST Template (not exceeding 8 pages written in A4 size).

#### Registration

Please visit conference webpage for registration and other details:

<http://sci2018.in/>

#### **Session Chair(s):**

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#### **Theme of Session:**

Many industrial applications require highly efficient computing models. Computing models are often derived using highly complex 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 are inspired by biology is a way to make use of concepts, principles and mechanisms underlying biological systems. The bio-inspired techniques inherently does not possess complex 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 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
- Techniques for Image Segmentation, watermarking and fusion
- Artificial Intelligence and Machine Learning
- Biomedical Informatics and Computation
- Techniques for Coding and Channel Analysis
- Network Communication

**Paper Submission Process:**

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**Email: [sameersree@gmail.com](mailto:sameersree@gmail.com)**

with 'Bio-Inspired Modeling Techniques for Image Processing & Electromagnetics (BIE'18)' mentioned in the subject line.

**Program Committee:**

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

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

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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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