



**DoSCI-2023**

**International Conference/Doctoral Symposium on Computational Intelligence**  
**Organized by Institute of Engineering & Technology, a constituent college of Dr APJ**  
**Abdul Kalam Technical University Lucknow, India in association with**  
**University of Calabria, Italy**  
**03rd March 2023.**

**\*\*\*\*\* CALL FOR PAPERS \*\*\*\*\***

### **SPECIAL SESSION ON**

Emerging Techniques, Advances and Application in Computational Intelligence.

### **SESSION ORGANIZERS:**

Dr. Pooja Singh, Galgotias University, India, [pooja17ps@gmail.com](mailto:pooja17ps@gmail.com)

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### **SESSION DESCRIPTION:**

The aim and scope of this session is to focused on the novelty of the emerging techniques, advances and application with considering:

- Deep Learning
- Sequence Modelling
- Drone Technology
- Cloud Computing, and
- General Topics in Computational Intelligence

### **RECOMMENDED TOPICS:**

- |   |                                    |
|---|------------------------------------|
| • Neural Networks   | • Reasoning Models                 |
| • Evolutionary Algorithms   | • Deep Learning                    |
| • Fuzzy Logic   | • Explainable AI                   |
| • Rough Sets  | • Physics Informed Neural Networks |
| • Bayesian Methods  | • Adversarial Machine Learning     |
| • Reinforcement Learning  | • Game Theory                      |
| • Cognitive Learning  | • Extreme Learning Machines        |
| • Quantum Computing   | • Intelligent Agents               |
| • Learning Paradigms  | • Multi-Objective Optimization     |
| • Memory Paradigms  |                                    |
| • Application of Computational Intelligences in HealthCare Sector |                                    |

Topics to be discussed in this special session include (but are not limited to) the following:

- Natural Language Processing
- Computational Genomics
- Recommendation Systems
- Music Information Retrieval
- Generative Adversarial Models
- Blockchain
- Augmented & Virtual Reality
- Industry 4.0
- Cybersecurity
- Social and Crowd Computing
- Big Data Analytics
- Robotic Process Automation
- 5G/6G Communications
- Renewable Energy Systems
- Structural Health Monitoring
- Smart Cities
- Intelligent Transportation Systems
- Neuroscience
- Healthcare
- Graphical Models
- Climate Science
- Unsupervised Learning
- Remote Sensing
- SSE Devices Modelling
- Computational Finance
- Computer Vision
- Sentiment Analysis

#### **SUBMISSION PROCEDURE:**

Researchers and practitioners are invited to submit papers for this special theme session **“Emerging Techniques, Advances and Application in Computational Intelligence”** *on or before* 30th December 2022. All submissions must be original and may not be under review by another publication. INTERESTED AUTHORS SHOULD CONSULT THE CONFERENCE’S GUIDELINES FOR MANUSCRIPT SUBMISSIONS at [http://dosci-conf.com/paper\\_submission.html](http://dosci-conf.com/paper_submission.html). All submitted papers will be reviewed on a double-blind, peer review basis.

**NOTE:** While submitting paper in this special session, please specify **Emerging Techniques, Advances and Application in Computational Intelligence** at the top (above paper title) of the first page of your paper.

**Important:** All the authors who are submitting papers in our special issue are requested to send the mail about their submission, with paper Title, on my mail id: [pooja17ps@gmail.com](mailto:pooja17ps@gmail.com)

For any other queries kindly feel free to communicate with me either on mail id or on WhatsApp: +91-8750296662.

**All the accepted papers (after double blinded peer review) will be published in Springer Lecture Notes on Networks & Systems (Indexing: SCOPUS, INSPEC, WTI Frankfurt eG, zbMATH, SCImago; All books published in the series are submitted for consideration in Web of Science) and extended selected papers will be published in the special issues of SCI/SCOPUS/WoS/DBLP/ACM indexed Journals.**