# 

# ICIDA 2022

## 

## International Conference on Innovations in Data Analytics

***Organized by***

***Eminent College of Management and Technology (ECMT), India***

In collaboration with

***International Knowledge Research Foundation***

*Technically Sponsored by:*

**Scientific Innovation Research Group (SIRG), Egypt**

**Scientific Research Group in Egypt (SRGE), Egypt**

**SETIT Research Lab.  Sfax University –Tunisia**

**CI2S lab, Argentina**

**November 29-30, 2022 (Online Mode)**

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

<http://icida.ikrf.in/>

**SPECIAL SESSION**

**Healthcare: Cyber Security, Bioinformatics and AI Perspective**

### SESSION ORGANIZER:

### 

|  |
| --- |
| A picture containing text  Description automatically generated |
| **Dr. Gaurav Gupta**  Yogananda School of Artificial Intelligence Computers and Data Science,  Shoolini University, Himachal Pradesh, India [solan.gaurav@gmail.com](mailto:solan.gaurav@gmail.com) ; [gaurav@shooliniuniversity.com](mailto:gaurav@shooliniuniversity.com) |

**SESSION DESCRIPTION:**

The special session “Healthcare: Cyber Security, Bioinformatics and AI Perspective” is designed to describes the fundamental concepts of Machine Learning, blockchain and security and its application in healthcare. Researchers working in cyber security, medical imaging and healthcare rely on the expertise of clinicians who play a significant role in understanding complex medical data for diagnosis of diseases. Automation of diagnosis procedures for various healthcare problems may help in improving patient care and overall healthcare. Recently, advanced machine learning methods have shown promising results in biomedical and healthcare applications. Therefore, there is a need to explore novel learning methods, optimization and inference techniques for processing biomedical and healthcare data to get performance closer to clinical diagnosis. Advances in machine learning can be used to develop sophisticated and novel applications in the field of biomedical and healthcare domains. This will attract healthcare practitioners who have access to interesting sources of data but lack the expertise in using machine learning techniques effectively. Special attention will be devoted to handling feature selection, class imbalance, model robustness, scalability, distributed and heterogeneous data sources, and data fusion in biomedical and healthcare applications.

**Session Co-Chairs**

**Dr CH Vanipriya**

Associate Professor

Sir M Visvesvaraya Institute of Technology, Krishnadevaraya Nagar, Hunasamaranahalli, International Airport Road, Bangalore – 562157

Email [vanipriya\_is@sirmvit.edu](mailto:vanipriya_is@sirmvit.edu)

**Dr Pankaj Vaidya**

Associate Professor cum Head of School

Yogananda School of Artificial Intelligence Computers and Data Science,

Shoolini University,

Oachghat-Kumarhatti NH, Bajhol, Solan Himachal Pradesh, INDIA – 173229

Email [solan.gaurav@gmail.com](mailto:solan.gaurav@gmail.com) ; [gaurav@shooliniuniversity.com](mailto:gaurav@shooliniuniversity.com)

### RECOMMENDED TOPICS:

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

* Machine Learning (ML), Cyber Security (CS) as well as Internet of Things (IoT), including Information fusion and knowledge transfer in biomedical and healthcare applications;
* Information retrieval of medical images;
* Imaging sensing tools, technologies and applications in biomedical research;
* Body motion and pose detection in biomedical imaging;
* Computer aided detection and diagnosis, especially for cancers;
* Transfer learning in medical imaging;
* Adversarial training in medical imaging;
* Medical image reconstruction;
* Knowledge-assisted image processing;
* Domain adaptation in medical imaging;
* Content-based information retrieval;
* Medical image compression;
* Distributed training, learning, and inference for biomedical and healthcare data;
* Distributed model optimization for biomedical and healthcare data;
* Federated learning for biomedical and healthcare data.

### PUBLICATION AND SUBMISSION PROCEDURE

The conference aims at carrying out double-blind review process. The papers submitted by the authors will be assessed based on their technical suitability, the scope of work, plagiarism, novelty, clarity, completeness, relevance, significance, and research contribution. The conference proceedings will be published in Springer AISC series. All books published in the series are submitted for consideration in Web of Science.

Paper submission system of easy chair: [**https://easychair.org/conferences/?conf=icida2022**](https://easychair.org/conferences/?conf=icida2022)

**NOTE: While submitting the paper in this special session, please specify [Healthcare: Cyber Security, Bioinformatics and AI Perspective] at the top (above paper title) of the first page of your paper.**

**DEADLINE TO REMEMBER: 21st August 2022**

# \* \* \* \* \* \*