

ICDAM-2021
International Conference on Data Analysis and Management
*Organized Jointly by JAN WYZYKOWSKI UNIVERSITY, POLAND & PANIPAT INSTITUTE
OF ENGINEERING AND TECHNOLOGY, INDIA*

On 26 June, 2021.

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

SPECIAL SESSION ON

Artificial Intelligence and Machine Learning in Healthcare System: Recent Trends and Future Scope

SESSION ORGANIZERS:

Dr. Hari Singh, JUIT, India, hsrawat2016@gmail.com

Dr. Himanshu Jindal, JUIT, India, himanshu19j@gmail.com

SESSION DESCRIPTION:

With the increasing use of e-health technologies, electronic Health Records are increasing enormously turning into Big Data. Such data could be continuous vital signals or health reports. These e-health records need to be analyzed to find out disease patterns and perform predictive analytics for the efficient and accurate health treatments. In fact, this new emerging research area which stands at the intersection of several different disciplines such as Technology, Medicine, and Big Data Analytics. The need of the hour is to develop new techniques, methods for the acquisition, storage, processing, analysis, standardization and optimization of every process in the health sector. E-healthcare data analytics could result in development of efficient electronic health records, new protocols for sharing such data utilizing optimized resources, and hence leading to smart health industry. Further given the sensitive nature of healthcare data, its privacy and security is of utmost importance. Development of state-of-the-art systems using various technologies for security and privacy of e-health data like EHR/EPR also needs an important attention. This is to make e-Health as a reliable alternative to conventional Healthcare.

This special session aims to bring together researchers, academicians and sector employees from different fields and disciplines and provide them an independent platform to exchange information on their researches, ideas and findings about healthcare data, analytics and methodologies to efficiently secure it. It is also aimed to encourage a debate on how e-healthcare can complement the conventional healthcare in terms of diagnosis, treatment, and to develop a common understanding for research conducted in this multidisciplinary field.

RECOMMENDED TOPICS:

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

- Healthcare Data Analytics
- Medical Imaging
- Electronic Health Records
- EHR- Authentication

- EHR-Security
- Medical Image Watermarking
- Personal Health Records
- Healthcare Information Systems
- m-health
- Telemedicine
- Personal Health Record-privacy
- Image processing analytics
- Emerging areas in IoT/deep learnings
- Security issues in Healthcare
- Clustering
- Classification and Regression Methods
- Supervised, Semi-Supervised and Unsupervised Learning
- Unsupervised Pre-trained Networks (UPNs)
- Convolutional Neural Networks (CNNs)
- Recurrent Neural Networks
- Machine Learning Applications

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on [**Artificial Intelligence and Machine Learning in Healthcare System: Recent Trends and Future Scope**] *on or before [31-March-2021]*. 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 <https://easychair.org/conferences/?conf=icdam2021>.

All submitted papers will be reviewed on a double-blind, peer review basis.

NOTE: While submitting paper in this special session, please specify [**Artificial Intelligence and Machine Learning in Healthcare System: Recent Trends and Future Scope**] at the top (above paper title) of the first page of your paper.

* * * * *