

ICICC-2020
**International Conference on Innovative Computing and
Communication**
Organized by Shaheed Sukhdev College of Business Studies, New Delhi, India
On 21-23rd Feb 2020.

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

SPECIAL SESSION ON

**Machine Learning and Expert System Approaches in Medical Diagnosis
(MLESAMD)**

SESSION ORGANIZERS:

Prof Anupam Agrawal, Senior Member IEEE USA, Interactive Technologies & Multimedia Research (ITMR) Lab, Department of Information Technology, Indian Institute of Information Technology-Allahabad (IIITA), Prayagraj, India, anupam@iiita.ac.in
and

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EDITORIAL BOARD:

1. Dr. Aleena Swetapadma, School of Computer Engineering, KIIT University, Bhubaneswar, Odisha, India.
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3. Dr. Suriya Prakash M (MBBS, MD), All India Institute of Medical Sciences, New Delhi, India.
4. Dr Alba García Seco de Herrera, School of Computer Science and Electronic Engineering (CSEE), University of Essex, UK.
5. Dr. Simran Kaur, All India Institute of Medical Sciences, New Delhi, India.

SESSION DESCRIPTION:

The title of this special session focuses on the recent trends of Machine Learning and Expert System in Medical Diagnosis. The advancement in this direction can help clinical experts and Doctors in understanding and analyzing patient medical data to take a better decision and diagnosis. Particularly, this session will be looking forward on the advance Machine learning and Expert system approaches for the all possible Medical Diagnosis. Here, the keyword Medical Diagnosis is considered in the view of all types of clinical/ medical data analysis. This session will give the priority on Generalized Mathematical Models, Methodologies and Frameworks of Machine Learning and Expert System for Information retrieval, Processing, Classification and Prediction in Medical Diagnosis. Authors can explore their approaches over the clinical/medical data in the form of images and signals. Recommended topics are mentioned below.

SCOPE: Expected outcomes of this session will be to gather/invite/select few good quality original research papers proposing approaches which may help to provide possible solutions for the existing problems in Medical Diagnosis. The scope of this session will enable interdisciplinary research among medical and non-medical academicians, practitioners and peoples from Industry to provide scientific thought and development ideas related to the special session theme.

RECOMMENDED TOPICS:

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

- Medical data acquisition and analysis
- EEG and MEG signal analysis for neurological disorder
- Predication and Detection Framework for Medical Diagnosis
- Clinical Image and signal analysis
- Time and frequency domain information retrieval
- Human Computer Interaction
- Brain Computer Interaction
- Optimization techniques and applications in Medical Diagnosis
- Machine Learning for Medical Diagnosis
- Expert systems for Medical Diagnosis
- Distributed AI techniques for Medical Diagnosis
- Vision and signal processing
- Pattern processing and recognition techniques
- Cloud based framework for Medical Diagnosis
- Healthcare informatics
- Cognitive state classification
- Fuzzy techniques in Medical Diagnosis

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on **Machine Learning and Expert System Approaches in Medical Diagnosis (MLESAMD)** on or before **1st December 2019**. All submissions must be original and may not be under review by another publisher. INTERESTED AUTHORS SHOULD CONSULT THE CONFERENCE'S GUIDELINES FOR MANUSCRIPT SUBMISSIONS at http://icicc-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 **Machine Learning and Expert System Approaches in Medical Diagnosis (MLESAMD)** at the top (above paper title) of the first page of your paper.

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