

ICCIC-2020

International Conference on Contemporary Issues in Computing

Organized by The Electro Inventor, Saraju Villa, 5A Khalisa Kota Pally Birati, Kolkata-700051, India
On 11th- 12th January 2020.

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

SPECIAL SESSION ON

Medical Image Analysis – Role of AI, ML and DL

SESSION ORGANIZERS:

Dr. Tushar H Jaware, Assistant Professor, E&TC Engineering Department,
R C Patel Institute of Technology, Shirpur. tusharjaware@gmail.com

SESSION DESCRIPTION:

One of the most promising areas of health innovation is the application of artificial intelligence (AI), primarily in medical imaging. Machine learning has a vital role in Image Analysis and Computer Vision as well as deep learning will become the mainstream technology in medical image analysis in upcoming decades.

Healthcare sector is totally different from other industry. It is on high priority sector and people expect highest level of care and services regardless of cost. Mostly the interpretations of medical images is being done by medical expert. In terms of image interpretation by human expert, it is quite limited due to its subjectivity, complexity of the image, extensive variations exist across different interpreters and fatigue. The recent advances in medical image processing in association with AI, ML and DL is an important aspect of research in health-care.

The goal of this special session is to provide an opportunity to researchers in image processing, physics, computer-aided diagnosis, perception, image-guided procedures, biomedical applications, ultrasound, informatics, radiology and digital pathology with an increased focus on fast emerging areas like AI, machine learning and deep learning.

RECOMMENDED TOPICS:

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

- Computer-aided detection and diagnosis
- Medical image processing for disease detection and prediction
- Ultrasonic acquisition and processing
- Semantic segmentation of medical images
- Magnetic resonance imaging (MRI)
- Image processing and analysis
- Imaging for precision medicine
- Quantitative imaging
- Machine learning in disease detection
- Deep learning in disease detection and prediction

SUBMISSION PROCEDURE:

Researchers and practitioners are invited to submit papers for this special theme session on **Medical Image Analysis – Role of AI, ML and DL on or before November 17, 2019**. All submissions must be original and may not be under review by another publication. INTERESTED AUTHORS SHOULD CONSULT THE CONFERENCE'S GUIDELINES FOR MANUSCRIPT PREPARATION at <http://iccicstm.com/guide.php> and SUBMISSIONS at <http://iccicstm.com/papersub.php>. All submitted papers will be reviewed on a double-blind, peer review basis.

NOTE: While submitting paper in this special session, please specify **Medical Image Analysis – Role of AI, ML and DL** at the top (above paper title) of the first page of your paper.

* * * * *