Special Session on

Antennas for Cancer Detection Using Machine Learning Methods

in conjunction with

23rd International Conference on Intelligent Systems Design and Applications (ISDA)

December 11-13, 2023

Website: http://www.mirlabs.org/isda23

Hybrid Mode – Online & Offline

Onsite Venues: http://mirlabs.org/isda23/venue2.php

Objectives and Scope

This special session aims to identify new approaches and ML and DL algorithms for early cancer detection and to explore affordable tools for early detection of cancers. Presently, clinical studies are vigorously going on to identify and cure various cancers in the human body. However, recent news on ovarian cancer in which a physician says to cut off the fallopian tube to prevent ovarian cancer is heartbreaking. Hence, we would like to explore the Machine Learning and Deep Learning algorithms for a low-cost tool for early detection of cancers.

Subtopics
The topics include, but are not limited to:

- Antennas for disease detection
- Cancer detection using machine learning algorithms
- Antenna Design and Electromagnetic Properties
- Data Acquisition
- Feature Extraction
- Validation and Clinical Adoption

Paper publications

- Proceedings will be published in Lecture Notes in Networks and Systems, Springer(https://www.springer.com/series/15179)
- Indexed by SCOPUS, INSPEC, WTI Frankfurt eG, zbMATH, SCImago
- Paper maximum length is 10 pages
- Papers must be formatted according to Springer format (Latex/word) available at:https://www.springer.com/de/authors-editors/book-authors-editors/manuscript- preparation/5636#c3324
- Submission Link: https://cmt3.research.microsoft.com/ISDA2023

Important Dates
Paper submission due: **September 30, 2023**
Notification of paper acceptance: **October 31, 2023**
Registration and Final manuscript due: **November 10, 2023**
Conference Date: **December 13-15, 2023**

Special Session Chairs

- **Dr. S. Radha**, ECE Dept, Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad, India
- **Dr S REKHA,** ECE Dept, NNRG College of Engineering, Hyderabad, India
- **Dr. G. Shine let**, ECE Dept, Karunya University, Coimbatore, India
- **Dr. P. Nagabushanam,** EEE Dept, VNR VJIET, Hyderabad, Telangana, India

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