International Conference
on
Signal Processing and Advance Research in Computing
(SPARC-2024)
12-13 September, 2024
Amity School of Engineering and Technology, Amity University, Lucknow, U.P., India

Special Session

On

"Data-Driven Healthcare: Leveraging Machine Learning for Signal and Image Processing"

IEEE

International Conference

on

Signal Processing and Advance Research in Computing

(SPARC-2024)

We are happy to announce that Amity School of Engineering and Technology, Amity University Uttar Pradesh Lucknow Campus is organizing an IEEE sponsored International Conference on Signal Processing and Advance Research in Computing (SPARC-2024) at Amity University Uttar Pradesh Lucknow Campus on 12-13 September 2024 in hybrid mode.

All submissions will be subject to peer reviews, accepted and presented papers will be submitted for inclusion into IEEE Xplore subject to meeting IEEE Xplore's scope and quality requirements.

The acceptance of the papers submitted to SPARC-2024 will be based on quality, relevance, and originality of the content. The conference will be in hybrid mode. There will be both physical and online mode of presentation.

Session Chairs:

1. Porf. (Dr.) Mihir Narayan Mohanty, ITER, Siksha 'O' Anusandhan (Deemed to be University), connectmihir68@gmail.com.
2. Dr. Saumendra Kumar Mohapatra, Faculty of Engineering & Technology, Sri Sri University, saumendra.m@srisriuniversity.edu.in.

For paper submission follow the link below

https://cmt3.research.microsoft.com/SPARC2024

International Conference
on
Signal Processing and Advance Research in Computing
(SPARC-2024)
12-13 September, 2024
Amity School of Engineering and Technology, Amity University, Lucknow, U.P., India

Theme of special session:

- Electronic Health Record (EHR) Data Analysis for Clinical Insights
- Predictive Modelling for Disease Diagnosis and Prognosis
- Radiomics and Radiogenomics for Medical Imaging Analysis
- Wearable Device Data Processing for Remote Patient Monitoring
- Genomic Data Analysis for Personalized Medicine
- Natural Language Processing (NLP) for Clinical Text Mining
- Pharmacovigilance and Drug Safety Monitoring using Machine Learning
- Telemedicine and Telehealth Data Analytics
- Healthcare Fraud Detection and Prevention through Data Analytics
- Patient Journey Analysis for Healthcare Service Optimization
- Integration of Machine Learning into Clinical Practice
- Explainable AI in Medical Decision Making
- Real-time Signal and Image Processing for Point-of-Care Applications
- Patient Monitoring and Predictive Analytics using Machine Learning
- Deep Learning for Medical Image Segmentation
- Convolutional Neural Networks (CNNs) for MRI Reconstruction
- Transfer Learning for Histopathology Image Classification
- Feature Extraction in Electrocardiogram (ECG) Signal Analysis
- Wavelet Transform for EEG Signal Denoising
- Fusion of Multi-Modal Medical Imaging Data
- Registration and Alignment of Medical Images for Treatment Planning
- Image Enhancement Techniques for X-ray and Ultrasound Imaging
- Signal Filtering Methods for Respiratory Monitoring
- Time-Frequency Analysis for Heart Rate Variability (HRV) Assessment

Important Dates

Submission Deadline:	30th June 2024
Acceptance Notification:	20th July 2024
Camera Ready and Registration Deadline:	15th August 2024
Conference:	12th and 13th September 2024

For more information, please visit our conference website .

https://www.amity.edu/lucknow/sparc-2024/default.aspx

For any further queries related to this special session, please contact the session chair at:

Session Chair: Dr Saumendra Kumar Mohapatra
Email: ID: saumendra.m@srisriuniversity.edu.in
Mobile No.: +91-9237050027