

ICAIHC-2022 Program Schedule

15th April 2022 (Friday)

8 AM-9.30 AM	Delegate Arrival, Registration, Breakfast					
9.30 AM-10:10 AM	Inaugural Event					
10:10 AM-10:50 AM	Plenary Talk - 1: Implementing AI based algorithms for retinal diseases in real time. How can I manage my patients better?					
	Speaker: Dr. Rajiv Raman, Senior Consultant at Dept. of Vitreoretinal Services, Sankara Nethralaya, Chennai, Tamil Nadu, India					
10:50 AM-11.00AM	High Tea					
11:00 AM-1:00 PM	Session – 01 Session Chairs: Dr. H. S. Hota, (D.S.W.) Atal Bihari Vajpayee University, Chhattisgarh Dr Surjeet Sahoo, Prof & HoD, Dept. of Psychiatry IMS, S 'O'A Deemed to be University, Bhubaneswar, Odisha			Session – 02 Session Chairs: Dr. Jajati Keshari Sahoo, BITS Pilani, Goa Campus, Goa Dr. Alok Ranjan Tripathy, Ravenshaw University, Odisha		
	Session Co-ordinator: Mrs Binita Kumari			Session Co-ordinators: Dr. Bichitrnanda Patra & Mr Alok Pati		
	Intelligent Computation in Healthcare			Text mining & biomedical literature Analysis Computational Biology		
	P.ID	Title	Authors	P.ID	Title	Authors
	12	Parametric Scaling of Pre-processing assisted U-net Architecture for Improvised Retinal Vessel Segmentation	Kundan Kumar	33	Chimp Optimization Algorithm Based Feature Selection for Cardiac image-based Heart Disease Diagnosis	Biren Pratap Baliarsingh
	17	A Comparative Study using Next Generation Sequencing Data and Machine Learning Approach for Crohn's Disease (CD) Identification	Debasish Swapnesh Kumar Nayak	37	Utilizing an optimized CHPNN Model for COVID-19 Cases Prediction	Smita Mohanty
	26	RescuePlus	Saurabh Shivaji Masal	43	Breast Cancer Detection using Concatenated Deep Learning Model	Abhishek Das
	60	Analyze Ego-Centric Nodes in Social Network using Machine Learning Technique	Rohini A	53	A SDE-CPNN classifier for Fetal State Identification from the Cardiotocogram Recordings	Rajashree Dash
68	A systematic review of ai privileges to combat widen threat of flavivirus	Sirisha Potluri	55	Diabetic Retinopathy Detection Using CNN Model	Mayank Shrivastava	
83	Cancer Microarray Data Analysis using PSO-CS-SVM hybrid Machine	Sudhir Kumar Senapati	124	Data analysis in clinical decision making - Prediction of Heart Attack	Shubham Prakash	

11:00 AM-1:00 PM		Learning model				
	116	Intelligent IoT based healthcare system using Blockchain	Sachikanta Dash	133	Churn Prediction of Clinical Decision Support Recommender System	Kamakhya Narain Singh
	121	Sentiment Analysis of Stress Among The Students Amidst The Covid Pandemic Using Global Tweets	Jyothsna R	134	Classification of Covid-19 Variants using Rough Set Theory Concept	KAMAKHYA NARAIN SINGH
	132	COVID-19 Detection Using CNN-ResNet 50 model	Yashwanth S V	154	An Artificial Intelligence and Computer Vision based Eye-Writer	Monika Mangal
1:00 PM-2:00 PM	LUNCH					
2:10 PM-4:10 PM	Session – 03			Session – 04		
	Session Chairs: Dr Asim Kumar Mallick, Prof & HoD Dept. of Psychiatry, College of medicine Sagar Dutta Medical College, West Bengal health University Dr Nibedan Panda, Presidency University, Bangaluru			Session Chairs: Dr. Narmata Dhandpa, Amity University, Delhi Dr. Rajendra Prasath, IIIT Sri City, Chittoor		
Session Co-ordinators: Dr. Mamata Nayak			Session Co-ordinators: Dr. Nilimarani Das			
IoMT & Intelligent biomedical devices for Health care			Biomedical Images & Signal processing			
Link:			Link:			
2:10 PM-4:10 PM	P.ID	Title	Authors	P.ID	Title	Authors
	10	A question entailment approach for answering covid'19 inquiries using deep Neural networks	Julius Godslove Femi	5	Artificial Pancreas (AP) based on the JAYA Optimized PI Controller (JAYA-PIC)	Anuja Nanda
	16	INDIA: A Comparison of Regression Approaches for Predicting COVID-19 Active, Recovered, and Death Cases	Binita Kumari	45	The Role of Data Augmentation in Medical Image Classification	Madhusmita Das
	27	Skeletal bone age determination using deep learning	C D Karthik	84	Performance Analysis of Hyper parameters of Convolutional Neural Networks for COVID-19 X-ray Image classification	Sarbeswara Hota
	44	Recommendation of Pesticides based on Automation Detection of Citrus Fruits and Leaves Diseases using Deep Learning	Nandha kumar K	86	Sequence Rule Mining for insulin dose prediction using temporal dataset	Dinesh Kumar Bhawnani
	56	Digi-CANE - An IoT Saviour for Visually Sensitive	Shubham Suman	89	Semantic Segmentation of Cardiac Structures from USG Images using Few-shot Prototype Learner Guided Deep Networks	Rahul Roy
	141	Realtime Health Monitoring System using Predictive Analytics	Amlan Sahoo	106	Early Detection of Stroke Risk using Optimized Light Gradient Boosting Machine approach based on Demographic data	Suresh Kumar Pemmada
	142	A Comparative Analysis of Multivariate Statistical Time-series Models for	Mogarala Tejoyadav	129	A Review of the detection of Pulmonary Embolism from Computed	Manas Pratim Das

		Water Quality Forecasting of the River Ganga			Tomography images using Deep Learning methods	
	153	A Machine Learning Approach for Human Action Recognition	Susmitha. A	138	Diabetes Prediction Using Ensemble Methods	Stuti Tiwari

4:20 PM-5:00 PM

Keynote Talk - 1:
Biological sequence analysis using complex networks, challenges and applications.
Speaker: Dr. Fabricio M. Lopes, Professor, Department of Computer Science, Federal University of Technology - Paraná (UTFPR), Brazil

Closing of Day-1

16th April 2022 (Saturday)

8 AM-9:30 AM

Delegate Arrival, Registration (if Any), Breakfast

9:30 AM-10:10 AM

Keynote Talk - 2:
An overview of Machine Learning Algorithms for Health Care.
Speaker: Dr Sudarsan Padhy, Former Director, Institute of Mathematics and Applications, Bhubaneswar, Odisha

Speaker:

10:10 AM-10:50 AM

Keynote Talk - 3:
Machine and Deep learning for Biomedical and health care applications
Speaker: Prof. Celia Shahnaz, Professor, Department of EEE, BUET, Bangladesh

Speaker:

11:00 AM-1:00 PM

Session – 05
 Session Chairs:
 Dr. P. Chandrasekhar, IIT Bhubaneswar
 Dr. Prakash Kumar Sarangi, Vardhaman College of Engg., Hyderabad

Session – 06
Young Professional session
 Session Chairs:
 Dr Saroj Kumar Rout, Vardhaman College of Engg., Hyderabad
 Dr. Asif Uddin Khan, Silicon Institute of Technology, Bhubaneswar, Odisha

Session Co-ordinators: Dr. Shushreeta Tripathy

Session Co-ordinators: Dr. Kundan Kumar

Smart Communication, Smart grid systems and Cloud computing in Healthcare System

Machine Learning & Deep Learning in Healthcare

P.ID	Title	Authors	P.ID	Title	Authors
13	Application of Top-hat Transformation for Enhanced Blood Vessel Extraction	Tithi Parna Das	1	Internet of Things in Healthcare	Manisha Banka
22	Brain tumour detection by multilevel thresholding using opposition equilibrium optimizer	Manoj Kumar Naik	2	Application of Text Mining in social media	Gopal Krushna Padhi
23	Differentiating S1, S2 Noises from Abnormal Heart Sounds Generated	Sashikanta Prusty	3	Benford's Law for Data Cleaning in Big Data	Prachurya Ray

11:00 AM-1:00 PM		in Closure of Atrioventricular and Semilunar Valves using MFCC and LSTM				
	49	Comprehensive Information Retrieval using Fine-tuned BERT model and Topic-assisted Query Expansion	Wilson Patro	4	A Machine Learning based Drug Recommendation System for Health Care	Mahima Mohapatra
	59	Link Performance in Community Detection Using Social Network	Rohini A	5	Classification of Internet Advertisements	Sashmita Jena
	79	Development of Real-Time Cloud Based Smart Remote Healthcare Monitoring System	M. Narasimharao	6	Forecasting The Time Delay in Delivery of Pharmaceutical Products	Subhalaxmi Hott
	110	An EOG-Based Human-Computer Interface in solving 24-Puzzle	Prabin Kumar Panigrahi	7	Fortune of Smart Phones by a Model Recommendation	Sonali Sahoo
	136	Study of Data Mining Algorithms on Social Network Data for Discovering Invisible Patterns of Social Collaboration	Deepak Rajaram Patil	8	A Comparative Analysis of Machine Learning Techniques For Pima Indian Diabetes	Subham Kumar Paul
	149	Computer Aided Study on Pharmacological Action and Molecular Mechanism of Salidroside	Junxia Liu	9	Detection of Parkinson's Disease using Machine Learning Approach	Satyapragyan Das
	150	Symptoms of Aggressive Behavior of Adults in Educational Institutions	Qurat Ul Ain	10	Speech Emotion Recognition System using Librosa for Better Customer Experience	Subhadarshini Mohanty
				11	Fuzzy C-means Clustering and Pseudo-coloring based Pest detection of Ripe-Fruit Health Monitoring System using 2-D Aggretech Images	Priyadarshini Pradhan
1:00 PM-2:00 PM	LUNCH					
2:10 PM-2:50 PM	<p>Keynote Talk - 4:</p> <p>Deep Learning for Medical Imaging - Challenges and Opportunities.</p> <p>Speaker: Dr. Deepti R. Bathula, Assistant Professor, Dept. of Computer Science & Engineering, Indian Institute of Technology, Ropar</p>					
2:50 PM-3:00 PM	Tea					
	Session – 07			Session – 08		
	<p>Session Chairs: Dr. Srikanta Kumar Mohapatra Chitkara University Institute of Engineering & Technology, Chitkara University, Punjab, India</p>			<p>Session Chairs: Dr Sachi Mohanty, Dept. of CS, Singidunum University, Serbia Dr. Bibhudendhu Pati, Ramadevi Women's</p>		

3:00 PM-4.30 PM	Dr Birendra Goswami, Dept. of CS&IT, YBN University, Ranchi, Jharkhand			University, Bhubaneswar, Odisha		
	Session Co-ordinator: Mrs Madhusmita Das			Session Co-ordinator: Mrs Madhusmita Sahu		
Microwave communication and Wireless Sensor Networks			Design and Modelling for Big Data Analytics			
P.ID	Title	Authors	P.ID	Title	Authors	
04	An Adaptive Fuzzy based Clustering Model for Healthcare-Wireless Sensor Networks	Premkumar Chithaluru	38	The Hospitality Industry's Impact on the Covid-19 Epidemic: A Case Study of Ukraine“	Sandeep Kumar Gupta	
11	Security Issues and Solutions for Reliable WBAN Based e-Healthcare Systems: A Systematic Review	Ananya Nandikanti	39	Society in front of a covid-19 pandemic: India vs Ukraine	Sandeep Kumar Gupta	
19	An enhanced web-based tools for multiple sequence alignment: A comparative approach	Swayamprabha Sahoo	76	Detection of COVID-19 infection from clinical findings using machine learning algorithm	Yogesh Krishnan Seeniraj	
65	5g Revolution transforming the delivery in healthcare	Shivam Singh	87	Ensemble Deep Learning Approach with Attention Mechanism For COVID-19 Detection and Prediction	Monika Arya	
74	Early Detection of Sepsis Using LSTM Neural Network with Electronic Health Record	Saroja Kumar Rout	93	Examining the AQI with effect of Agnihotra in NCR Region: Extracting Knowledge for Sustainable Society and Holistic Development with Healthcare 5.0	Tribhuvan Mishra	
92	Quantification of Homa Effect on Air Quality in NCR, India: Pollution and Pandemic Challenges in Cities and Healthcare Remedies	Saransh Chauhan	123	Computational approach in designing and development of novel inhibitors of AKR1C1	Nilima R. Das	
95	Slotted PIFA Antenna with Meta surface for Wearable Medical Applications at 5.05 GHz	TVS Divakar	147	The Mechanism of Fast Attenuation of Sweet Feeling in Transfer Paper and Research in Preparation of Transfer Paper with Lasting Sweet Feeling	Suxia Hu	
103	System Modelling and Identification for EEG Monitoring using Random Vector Functional Link Network	Rakesh Kumar Pattanaik	148	Stability Analysis of COVID-19 SEIQR Model with Infectivity in Latent Period	Fang Zheng	

4.30-5:00 PM

Awards and Closing Ceremony