



ICRTAC – CVMIP 2021
AICTE Sponsored 4th International Conference on Recent Trends in Advanced Computing –
Computer Vision Based Machine Intelligence Paradigms – CVMIP - 2021

Technical Sessions

Day 1 : 11-11-2021

Time: 10:30 – 12:15 PM IST

Track : T1: Image/Video preprocessing

Session Chairs: Prof. V M Nisha, Prof. Jeyaprakash Chellamani, Prof. Sheng-Fu Liang

Keynote Address (10:30 - 11:00 AM)

Dr Vipin Chaudhary, Kevin J. Kranzusch Professor and Chair,
 Computer and Data Sciences, Case Western Reserve University

Title of the Talk : ICICLE: Intelligent Cyber infrastructure with Computational Learning in the Environment

S.No.	Paper Id	Paper Details	Time*	Authors
1	9	Localized Super Resolution for Foreground Images using U-Net And MR-CNN	11:00 - 11:15 AM	Umashankar Kumaravelan, Nivedita M
2	29	Implementation of an Automatic EEG Feature Extraction With Gated Recurrent Neural Network For Emotion Recognition	11:15 - 11:30 AM	Rajeswari Rajesh Immanuel Dr.S.K.B.Sangeetha
3	52	A Novel Hand Gesture Recognition For Aphonic People Using Convolutional Neural Network	11:30 - 11:45 AM	S.Deepa, A.Umamageswari, S.Menaka
4	68	An Enhanced Optimized Abstractive Text Summarization Traditional Approach Employing Multi-Layered Attentional Stacked LSTM with the Attention RNN	11:45 – 12:00 PM	Nafees Muneera, P Sriramya
5	65	Distracted Driver Behavior Recognition with Computer Vision using Deep Convolutional Neural Network in Real World Application	12:00 – 12:15 PM	Dr. M. Ananthi, Bharathram. P Rahul Narayanan. L

** -10 mins for presentation and 5 mins for Query*



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Technical Sessions

Day 1 : 11-11-2021

Time: 02:00 – 04:15 PM IST

Track : T2: Image/Video Understanding & Analysis

Session Chairs: Prof. M Premalatha, Prof.Chi-Yeh Chen

Keynote Address (02:00 - 02:30 PM)	
Dr. Yung-Nien Sun, professor, Department of computer science and information engineering & Institute of medical informatics, NCKU	Title of the Talk: Deep Learning for Medical Image Analysis

S.No.	Paper Id	Paper Details	Time*	Authors
1	11	Automated Sorting Grading of Fruits Based on Non-Destructive Quality Assessment Using Hyperspectral Imaging and Deep CNN Model	02:45 – 03:00 PM	Dr. R. Priyatharshini, M. Sarathkumar, P. Rahul Ganesh, A. Rajkumar
2	23	On the Performance of Energy Efficient Video transmission over LEACH based protocol in WSN	03:00 – 03:15 PM	M. Radhika and P. Sivakumar
3	32	High Performance Classifier for Brain Tumor Detection Using Capsule Neural Network	03:15 – 03:30 PM	Thanga Purni J S, Vedhapriyavadhana, S.L.Jayalakshmi , R.GIRIJA
4	14	Pest Detection Using Improved Yolo Architecture	03:30 – 03:45 PM	Dr.M.Sujaritha, M. Kavitha, S.Roobini
5	53	Comprehensive Analysis of Defect Detection through Image Processing and Machine Learning for Photovoltaic Panels	03:45 – 04:00 PM	S. Prabhakaran , Dr. R. Annie Uthra and Dr. J. Preetha Roselyn
6	8	Convergence-Perceptual Model for Computing Time-series-Data on Fog-Environment	04:00 – 04:15 PM	Rupa Kesavan Poorani S Iyswarya R, Muthunagai S U Dr. Anitha R Vijayaraja L

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Day 1 : 11-11-2021

Time: 02:00 – 04:15 PM IST

Track : T3: Image/Video Understanding & Analysis

Session Chairs: Prof. R Maheswari, Prof. M Ananthi

Keynote Address (02:00 - 02:30 PM)

Dr. Yung-Nien Sun, professor, Department of computer science and information engineering & Institute of medical informatics, NCKU	Title of the Talk: Deep Learning for Medical Image Analysis
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S.No.	Paper Id	Paper Details	Time*	Authors
1	7	Face Expression-Based Student Engagement Analysis For Classroom Environment	02:45 – 03:00 PM	E. Komagal, B. Yogameena
2	10	SMS Spam Classification Using PSO-C4.5	03:00 – 03:15 PM	Dr. D.Saraswathi, D.Sowmya
3	18	Classification of Fungi Affected Psidium Guajava Leaves using ML and DL Techniques	03:15 – 03:30 PM	Sukanya S. Gaikwad, Shivanand S. Rumma, Mallikarjun Hangarge
4	45	Self - Balancing Robot using Arduino and PID Controller	03:30 – 03:45 PM	C.N.Savithri, R S Roopesh, Lavanya Devi N, P.Shanthakumar, P. Thirumurugan
5	20	Artificial Cognition Of Temporal Events Using Recurrent Point Process Networks	03:45 – 04:00 PM	Bala Sundara Ganapathy N, Deeptavarna M
6	77	Implementation of Machine Learning Methods on Data To Analyze Emotional Health	4.00-4.15 PM	Vijaya Chandra Jadala, Dr. Sai Kiran Pasupuleti , Dr. S. Hrushikesava Raju G. Srihari Babu , N. Ravinder , and B. Sreedhar

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Technical Sessions

Day 2: 12-11-2021

Time: 10:30 – 12:15 PM IST

Track : T4: Applications and Services to achieve SDG

Session Chairs: Prof. V Kanchana devi, Prof. Jenn-Jier James Lien

Keynote Address (10:30 - 11:00 AM)

Dr. Juan Manuel Corchado, Director - European IoT Digital Innovation Hub, Director- BISITE Research Group, University of Salamanca & President of the Air Institute, Spain

Title of the Talk: AIoT for Achieving Sustainable Development Goals

S.No.	Paper ID	Paper details	Time*	Authors name
1	39	Mining Suitable Symptoms To Identify Disease Using Apriority and NBC	11:00 - 11:15 AM	Dr. R.Sandha, Dr.M.Vasumathy
2	42	Background Features Based Novel Visual Ego-Motion Estimation	11:15 - 11:30 AM	B. Sharmila And D. Nedumaran
3	57	Feature Extraction Based On GLCM AND GLRM Methods Compare Different Classification Algorithms On Medical COVID-19 Dataset	11:30 - 11:45 AM	Suganthi N, Sarojini K
4	64	Enhancing Protection Against Scalper Bots With ML	11:45 – 12:00 PM	R.Gowthamani , K.Sasi Kala Rani, C.R.Jayanth , B.Jeba Regan Raj , J.Binesh
5	54	Identifying Diabetics By Retinal Image Classification Using ROI	12:00 – 12:15 PM	A.Umamageswari, S.Deepa, N.Bharathiraja

* -10 mins for presentation and 5 mins for Query



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Technical Sessions

Day 2 : 12-11-2021

Time: 10:30 – 12:30 PM IST

Track : T5: Applications and Services to achieve SDG

Session Chairs: Prof. M Braveen, Prof. U K Sridevi

Keynote Address (10:30 - 11:00 AM)

Dr. Juan Manuel Corchado, Director - European IoT Digital Innovation Hub, Director- BISITE Research Group, University of Salamanca & President of the Air Institute, Spain	Title of the Talk: AIoT for Achieving Sustainable Development Goals
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S. No.	Paper ID	Paper details	Time*	Authors name
1	28	Advanced Algorithmic Techniques For Topic Prediction And Recommendation – An Analysis	11:00 - 11:15 AM	Shaik Nazeer, Prathyusha Yayavaram, L.Jani Anbarasi
2	47	A Survey Based On Online Voting System Using Blockchain Technology	11:15 - 11:30 AM	S.P.Shanthini, M.Usha, P.Prittipaul
3	48	Survey On Collaborative Filtering Technique For Recommender System Using Deep Learning	11:30 - 11:45 AM	S. L. Jothilakshmi , R Bharathi
4	51	A Survey on Power Consumption Indicator using Machine Learning Based Approach	11:45 – 12:00 PM	Hamsini R And Visu P
5	19	Deep Learning Based Recognition of Plant Diseases	12:00 – 12:15 PM	Swetha Parthiban, Sneha Moorthy, Sribalaji Sabanayagam, Shobana Shanmugasundaram, Athishwaran Naganathan, Mohan Annamalai and Sabitha Balasubramanian
6	59	Memory Augmented Distributed Monte Carlo Tree Search Algorithm Based Content Popularity Aware Content Recommendation Using Content-Centric Networks	12:15 – 12:30 PM	Christopher Arokiaraj A.P, Dr.Hari Prasad.D

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Technical Sessions

Day 2 : 12-11-2021

Time: 02:00 – 03.45 PM IST

Track : T6: Applications and Services to achieve SDG

Session Chairs: Prof. Rabindra Kumar Singh, Prof. Raghuram

Keynote Address (02:00 - 02:30 PM)

Dr. Domenico Ciuonzo, DIETI, University of Naples, Federico II, Italy	Title of the Talk: Toward Effective Network Traffic Analytics of Mobile Apps via Deep Learning
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S.No.	Paper Id	Paper Details	Time*	Authors
1	43	LIVSPECS: Design and Implementation of Smart Specs for Hearing and Visually Challenged Person	02:45 – 03:00 PM	Prithvi PK, Yashwanth Krishnan B, Chandru K, Shabika Fathima M, Ranjana R, Subha T
2	55	Covid analysis prediction using DenseNet method in deep learning	03:00 – 03:15 PM	Usha M , Prittopaul P , Lekha D
3	24	Hybridization of Texture Features for Identification of Bi-lingual Scripts from Camera Images at Word level	03:15 – 03:30 PM	Satishkumar Mallappal , B.V.Dhandra2 , Gururaj Mukarambi3
4	46	Filtering Electronic Mail For Spams Using Logistic Regression Machine Learning Model: A Comprehensive Study	03:30 – 03:45 PM	Dr.S.Geetha, Mrs.T.Amutha

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