

**3rd International Conference on
Image Processing and Capsule Networks
(ICIPCN-2022)**

Conference Dates: 20-21, May 2022

Organized by

Da-Yeh University

Taiwan.

Schedule for Presentation

Conference
Date
20.5.2022
[IST]

- **9.30am-10.30 am- Inauguration & Keynote Address**
- **10.45am - 1.15pm- Session I**
- **1.15pm - 2.00pm- Session Break**
- **2.00pm - 4.45pm- Session II**
- **4.15pm- 4.45pm - Valedictory Function**

Presentation Time: 15 Minutes

Presentation Format: Power Point Presentation (PPT)

Session-I -- Parallel Session-I
20th May 2022 [10.45am – 1.15pm]

| TIME SLOT | TITLE/AUTHOR NAME |
|----------------------------|--|
| 10.45 AM TO 11.00 AM | BRAIN-INSPIRED SPATIOTEMPORAL FEATURE EXTRACTION USING CONVOLUTIONAL LEGENDRE MEMORY UNIT SUDHARSHAN G, KHOSHALL V, AND SARAVANAN M |
| 11.00 AM TO 11.15 AM | UNDERWATER IMAGE ENHANCEMENT USING IMAGE PROCESSING NAGAMMA, PROF.S.V. HALSE |
| 11.15 AM TO 11.30 AM | FAKE NEWS DETECTION ON INDIAN SOURCES NAVYADHARA GOGINENI, YASHASHVINI RACHAMALLU, RUCHITHA MEKALA, DR. MAMATHA H R |
| 11.30 AM TO 11.45 AM | EXPLORING SELF-SUPERVISED CAPSULE NETWORKS FOR IMPROVED CLASSIFICATION WITH DATA SCARCITY LADYNA WITTSCHER AND CHRISTIAN PIGORSCH |
| 11.45 AM TO 12.00 PM | A NOVEL ARCHITECTURE FOR IMPROVING TUBERCULOSIS DETECTION FROM MICROSCOPIC SPUTUM SMEAR IMAGES S. PITCHUMANI, V. VANITHA, V KARAN, M SIVANT |
| 12.00 PM TO 12.15 PM | TAPASQA - QUESTION ANSWERING ON STATISTICAL PLOTS USING GOOGLE TAPAS HIMANSHU JAIN, SNEHA JAYARAMAN, SOORYANATH I T, AND MAMATHA H R |
| 12.15 PM TO 12.30 PM | FACE SKETCH-PHOTO SYNTHESIS AND RECOGNITION K M MITRAVINDA, CHANDANA M, MONISHA CHANDRA, SHAAZIN SHEIKH SHUKOOR , AND MAMATHA H R |
| 12.30 PM TO 12.45 PM | TOWARD ROBUST IMAGE PRE-PROCESSING STEPS FOR VEHICLE PLATE RECOGNITION MOHAMED ALKALAI |
| 12.45 PM TO 1.00 PM | MULTI-FOCUS IMAGE FUSION USING MORPHOLOGICAL TOGGLE-GRADIENT AND GUIDED LTER MANALI ROY AND SUSANTA MUKHOPADHYAY |
| 1.00 PM TO 1.15 PM | SECURITY ENHANCEMENT OF FOG NODES IN IOT NETWORKS USING THE IBF SCHEME N. A. NATRAJ, V.KAMATCHI SUNDARI, K. ANANTHI, S. RATHIKA, G. INDIRA, C. R. RATHISH |

Session-I -- Parallel Session-II
20th May 2022 [10.45am – 1.15pm]

| TIME SLOT | TITLE/AUTHOR NAME |
|----------------------------|---|
| 10.45 AM TO 11.00 AM | A HYBRID APPROACH TO FACIAL RECOGNITION FOR ONLINE SHOPPING USING PCA AND HAAR CASCADE SV SHRI BHARATHI, TULABANDU AADITHYA KIRAN, NALLAMILI DILEEP KANTH, BOLLA RAGHU RAM REDDY ANGELINA GEETHA |
| 11.00 AM TO 11.15 AM | ANALYSIS OF IOT CLOUD SECURITY COMPUTERIZATION TECHNOLOGY BASED ON ARTIFICIAL INTELLIGENCE PADMAAVATHY. PA, S SUGANYA BHARATHI, K. ARUN KUMAR, CH.V. SIVARAM PRASAD, G.RAMACHANDRAN |
| 11.15 AM TO 11.30 AM | ARTIFICIAL INTELLIGENCE BASED REAL TIME PACKET ANALYSING TO DETECT DOS ATTACKS MAKINEEDI SAI HARSH, SOUMYA CHOWDHURY, M VAIDHEHI |
| 11.30 AM TO 11.45 AM | DECISION TREES AND GENDER STEREOTYPES IN UNIVERSITY ACADEMIC DESERTION SYLVIA ANDRADE-ZURITA, SONIA ARMAS-ARIAS, ROCÍO NÚÑEZ-LÓPEZ, AND JOSUÉ ARÉVALO-PERALTA |
| 11.45 AM TO 12.00 PM | EXPLORING PUBLIC ATTITUDE TOWARDS CHILDREN BY LEVERAGING EMOJI TO TRACK OUT SENTIMENT USING DISTIL- BERT A FINE-TUNED MODEL UCHCHHWAS SAHA, MD. SHIHAB MAHMUD, MUMENUNNESSA KEYA, EFFAT ARA EASMIN LUCKY, SHARUN AKTER KHUSHBU, SHEAK RASHED HAIDER NOORI AND MUNTASER MANSUR SYED |
| 12.00 PM TO 12.15 PM | REAL TIME CLASSIFICATION OF FRUITS AND VEGETABLES DEPLOYED ON LOW POWER EMBEDDED DEVICES USING TINY ML VIVEK GUTTI, R. KARTHI |
| 12.15 PM TO 12.30 PM | A DEEP NEURAL NETWORKS-BASED FOOD RECOGNITION APPROACH FOR HYPERTENSION TRIGGERING FOOD PAPON SARKER, SHAIKH HASIBUL ISLAM, KHADIZA AKTER, LAMIA RUKHSARA AND RASHIDUL HASAN HRIDOY |
| 12.30 PM TO 12.45 PM | NOVEL 1D AND 2D CONVOLUTIONAL NEURAL NETWORKS FOR FACIAL AND SPEECH EMOTION RECOGNITION PAVAN NAGESWAR REDDY BODAVARAPU, B GOWTHAM KUMAR REDDY, P V V S SRINIVAS |
| 12.45 PM TO 1.00 PM | PERFORMANCE EVALUATION OF MORPHOLOGICAL FEATURES IN EAR RECOGNITION ABHISEK HAZRA, SOURYA SAHA, SANKHAYAN CHOWDHURY, NABARUN BHATTACHARYYA, AND NABENDU CHAKI |
| 1.00 PM TO 1.15 PM | GQNN: GREEDY QUANVOLUTIONAL NEURAL NETWORK MODEL AANSH SAVLA, ALI ABBAS KANADIA, DEEP MEHTA AND KRITI SRIVASTAVA |

Session-I -- Parallel Session-III
20th May 2022 [10.45am – 1.15pm]

| TIME SLOT | TITLE/AUTHOR NAME |
|----------------------------|--|
| 10.45 AM TO 11.00 AM | AN EXTENSIVE STUDY ON MACHINE LEARNING PARADIGMS TOWARDS MEDICINAL PLANT CLASSIFICATION ON POTENTIAL OF MEDICINAL PROPERTIES SAPNA R, S N SHESHAPPA |
| 11.00 AM TO 11.15 AM | MEDICAL IMAGING A TRANSFER LEARNING PROCESS WITH MULTIMODAL CNN : DERMIS-DISORDER SUMAIA SHIMU, LINGKON CHANDRA DEBNATH, MD. MAHADI HASAN SANY, MUMENUN-NESSA KEYA, SHARUN AKTER KHUSHBU, SHEAK RASHED HAIDER NOORI AND MUNTASER MANSUR SYED |
| 11.15 AM TO 11.30 AM | MEDCHAIN FOR SECURING DATA IN DECENTRALIZED HEALTHCARE SYSTEM USING DYNAMIC SMART CONTRACTS R. PRIYADARSHINI, MUKIL ALAGIRISAMY, N.RAJENDRAN |
| 11.30 AM TO 11.45 AM | MULTIPURPOSE LINUX TOOL FOR WI-FI BASED ATTACK, INFORMATION GATHERING AND WEB VULNERABILITY SCANNING AUTOMATIONS CERONMANI SHARMILA, GOPALAKRISHNAN J, SHANMUGA PRASATH P, DANIEL Y |
| 11.45 AM TO 12.00 PM | CUSTOMER ENGAGEMENT THROUGH SOCIAL MEDIA AND BIG DATA PIPELINE RUBEENA RUSTUM, J.KAVITHA, PVRD PRASADA RAO, JAJJARA BHARGAV AND G.CHARLES BABU |
| 12.00 PM TO 12.15 PM | PERFORMANCE ANALYSIS OF CNN MODELS USING MR IMAGES OF PITUITARY TUMOUR ASHWITHA K |
| 12.15 PM TO 12.30 PM | DETECTION OF FACEBOOK ADDICTION USING MACHINE LEARNING MD. ZAHIRUL ISLAM, ZINIATUL JANNAT, MD. TAREK HABIB, MD. SADEKUR RAHMAN, GAZI ZAHIRUL ISLAM |
| 12.30 PM TO 12.45 PM | MASK R-CNN BASED OBJECT DETECTION IN OVERHEAD TRANSMISSION LINE FROM UAV IMAGES D.SATHEESWARI, LENINISHA SHANMUGAM, N.M.JOTHI SWAROOPAN |
| 12.45 PM TO 1.00 PM | INSIGHTS INTO FUNDUS IMAGES TO IDENTIFY GLAUCOMA USING CONVOLUTIONAL NEURAL NETWORK DIGVIJAY J. PAWAR, YUVRAJ K. KANSE, AND SUHAS S. PATIL |
| 1.00 PM TO 1.15 PM | AN IMPLEMENTATION PERSPECTIVE ON ELECTRONIC INVOICE PRESENTMENT AND PAYMENTS B.BARATH KUMAR, C.N.S.VINOTH KUMAR, SUGUNA R, M.VASIM BABU, M. MADHUSUDHAN REDDY |

Session-II -- Parallel Session-I
20th May 2022 [2.00 pm- 4.45 pm]

| TIME SLOT | TITLE/AUTHOR NAME |
|--------------------------|---|
| 2.00 PM TO 2.15 PM | AUTOMATIC RECOGNITION OF PLANT LEAF DISEASES USING DEEP LEARNING (MULTILAYER CNN) & IMAGE PROCESSING ABDUR NUR TUSHER, MD. TARIQUL ISLAM, MST. SAKIRA REZOWANA SAMMY, SHORNALY AKTER HASNA AND NARAYAN RANJAN CHAKRABORTY |
| 2.15 PM TO 2.30 PM | COMPARATIVE ANALYSIS OF FEATURE AND INTENSITY BASED IMAGE REGISTRATION ALGORITHMS IN VARIABLE AGRI- CULTURAL SCENARIOS SHUBHAM RANA, SALVATORE GERBINO, PRAGYA MEHRISHI, AND MARIANO CRIMALDI |
| 2.30 PM TO 2.45 PM | NON-INVASIVE DIAGNOSIS OF DIABETES USING CHAOTIC FEATURES AND GENETIC LEARNING SHIVA SHANKAR REDDY, NILAMBAR SETHI, R. RAJENDER, AND V SIVARAMA RAJU VETUKURI |
| 2.45 PM TO 3.00 PM | ANALYTIC FOR CRICKET MATCH WINNER PREDICTION THROUGH MAJOR EVENTS QUANTIFICATION V SIVARAMARAJU VETUKURI, NILAMBAR SETHI, R. RAJENDER, AND SHIVA SHANKAR REDDY |
| 3.00 PM TO 3.15 PM | AN INVESTIGATION OF COVID-19 DIAGNOSIS AND SEVERITY DETECTION USING CONVOLUTIONAL NEURAL NETWORKS DHANYA V AND SENTHILKUMAR MATHI |
| 3.15 PM TO 3.30 PM | AN EFFICIENT KEY FRAME EXTRACTION FROM SURVEILLANCE VIDEOS FOR REAL-WORLD ANOMALY DETECTION P.MANGAI, M. KALAISELVI GEETHA, G.KUMARAVELAN |
| 3.30 PM TO 3.45 PM | THE XGBOOST MODEL FOR NETWORK INTRUSION DETECTION BOOSTED BY ENHANCED SINE COSINE ALGORITHM NADHEERA ALHOSNI, LUKA JOVANOVIĆ, MILOŠ ANTONIJEVIĆ, MILOŠ BUKUMIRA, MIODRAG ŽIVKOVIĆ, IVANA STRUMBERGER, JOSEPH P.MANI, AND NEBOJSA BACANIN |
| 3.45 PM TO 4.00 PM | DEVELOPING A TOOL TO CLASSIFY LETHAL WEAPONS BY ANALYZING IMAGES MD. MUKTADIR MUKTO, MD. MAIYAZ AL MAHMUD, IKRAMUL HAQUE, OMAR TAWHID IMAM, AHMED WASIF REZA AND, MOHAMMAD SHAMSUL AREFIN |
| 4.00 PM TO 4.15 PM | HUMAN POSTURE ESTIMATION: IN ASPECT OF THE AGRICULTURE INDUSTRY MEHARAJ - UL- MAHMMUD, MD. AHSAN AHMED, SAYED MONSHURUL ALAM, OMAR TAWHID IMAM, AHMED WASIF REZA AND, MOHAMMAD SHAMSUL AREFIN |
| 4.15 PM TO 4.30 PM | FLOWER RECOGNITION USING VGG16 MD. ASHIKUR RAHMAN, MD. SAIF LASKAR, SAMIR ASIF, OMAR TAWHID IMAM, AHMED WASIF REZA, AND MOHAMMAD SHAMSUL AREFIN |
| 4.30 PM TO 4.45 PM | SURVEY ON VARIOUS PERFORMANCE METRICES FOR LIGHTWEIGHT ENCRYPTION ALGORITHMS RADHIKA RANI CHINTALA , SOMU VENKATESWARLU |

Session-II -- Parallel Session-II
20th May 2022 [2.00 pm- 4.45 pm]

| TIME SLOT | TITLE/AUTHOR NAME |
|--------------------------|--|
| 2.00 PM TO 2.15 PM | OPINION MINING FROM STUDENT FEEDBACK DATA USING SUPERVISED LEARNING ALGORITHMS MALTI BANSAL, SHREYA, KARTIK VIG, KARTIKEY KAKRAN |
| 2.15 PM TO 2.30 PM | BLIND ASSISTANCE SYSTEM USING MACHINE LEARNING NAVEEN KUMAR, SANJEEVANI SHARMA, ILIN MARIAM ABRAHAM, AND SATHYA PRIYA S |
| 2.30 PM TO 2.45 PM | DETECTION OF EMCI IN ALZHEIMER'S DISEASE USING LENET-5 AND FASTER RCNN ALGORITHM A.MOHAMED RAYAAN, M.S RHAKESH, N. SABİYATH FATIMA |
| 2.45 PM TO 3.00 PM | SMART FARMING USING DATA SCIENCE APPROACH AMIT KUMAR GOEL, KRISHANPAL SINGH, RAJAT RANJAN |
| 3.00 PM TO 3.15 PM | A SURVEY ON DIFFERENT METHODS OF DETECTING RHEUMATOID ARTHRITIS UJVAL D R, VIGNESH G, VISHWAS K S, GOWRISHANKAR S, AND SRINIVASA A. H |
| 3.15 PM TO 3.30 PM | CO-F I N D: LSTM BASED ADAPTIVE RECURRENT NEURAL NETWORK FOR COVID-19 FRAUD INDEX DETECTION ANIKA ANJUM, MUMENUNNESSA KEYA, ABU KAISAR MOHAMMAD MASUM, SHARUN AKTER KHUSHBU, SHEAK RASHED HAIDER NOORI |
| 3.30 PM TO 3.45 PM | SELFIE2BUSINESS - AN APPLICATION TO IDENTIFY OBJECTS AND RECOMMEND RELEVANT SERVICE PROVIDERS JOSEPH DOMINIC, ANIRUDH S AYYA, ABHISHEK PAI, ROHAN VARGHESE BIJU, AND NITIN V PUJARI |
| 3.45 PM TO 4.00 PM | A SURVEY ON IMAGE SEGMENTATION FOR HANDWRITING RECOGNITION PRARTHANA DUTTA AND NARESH BABU MUPPALANENI |
| 4.00 PM TO 4.15 PM | BACKPROPAGATION IN SPIKING NEURAL NETWORK USING REVERSE SPIKING MECHANISM M.MALATHI, K.K.FAIYAZ, R.M.NAVEEN, C.NITHISH |
| 4.15 PM TO 4.30 PM | SMART CITY IMAGE PROCESSING AS A REFLECTION OF CONTEMPORARY INFORMATION CODES MUZYKANT VALERII LEONIDOVICH, SHLYKOVA OLGA VLADIMIROVNA, BARSUKOV KIRILL PAVLOVICH, KULIKOV SERGEY VLADIMIROVICH AND EFIMETS MARYA ALEKSANDROVNA |
| 4.30 PM TO 4.45 PM | CLINICAL DECISION SUPPORT SYSTEM BRACED WITH ARTIFICIAL INTELLIGENCE: A REVIEW JIGNA B PRAJAPATI, BHUPENDRA G. PRAJAPATI |

Session-II -- Parallel Session-III
20th May 2022 [2.00 pm- 4.45 pm]

| TIME SLOT | TITLE/AUTHOR NAME |
|--------------------------|---|
| 2.00 PM TO 2.15 PM | MULTI-MODEL DEEPFAKE DETECTION USING DEEP AND TEMPORAL FEATURES JERRY JOHN AND BISMIN V. SHERIF |
| 2.15 PM TO 2.30 PM | REAL-TIME VIDEO PROCESSING FOR SHIP DETECTION USING TRANSFER LEARNING V. GANESH, JOHNSON KOLLURI, AMITH REDDY MAADA, MOHAMMED HAMID ALI, RAKESH THOTA AND SHASHIDHAR NYALAKONDA |
| 2.30 PM TO 2.45 PM | SMART SHOPPING USING EMBEDDED BASED AUTOCART AND ANDROID APP V.SHERLIN SOLOMI, C.SRUJANA REDDY, S.NAGA TRIPURA |
| 2.45 PM TO 3.00 PM | GASTRIC CANCER DIAGNOSIS USING MIFNET ALGORITHM AND DEEP LEARNING TECHNIQUE MAWA CHOUHAN, CORINNE VERIL D, PRERANA P, A KUMARESAN |
| 3.00 PM TO 3.15 PM | COLD CHAIN LOGISTICS METHOD USING TO IDENTIFY OPTIMAL PATH IN SECURED NETWORK MODEL WITH MACHINE LEARNING VIJAYKUMAR JANGA, DESALEGN AWOKE, ASSEFA SENBATO GENALE, B.BARANI SUNDARAM, AMIT PANDEY AND P.KARTHIKA |
| 3.15 PM TO 3.30 PM | BRAIN TUMOR IMAGE ENHANCEMENT USING BLENDING OF CONTRAST ENHANCEMENT TECHNIQUES DEEPA ABIN, SUDEEP THEPADE, YASH VIBHUTE, SPHURTI PARGAONKAR, VAISHNAVI KOLASE, PRIYA CHOUGULE |
| 3.30 PM TO 3.45 PM | A SYSTEMATIC AND NOVEL ENSEMBLE CONSTRUCTION METHOD FOR HANDLING DATA STREAM CHALLENGES RUCHA CHETAN SAMANT, SUHAS H. PATIL |
| 3.45 PM TO 4.00 PM | A SMART GARBAGE SYSTEM FOR SMART CITIES USING DIGITAL IMAGE PROCESSING SIVARANJANI P, GOWRI P, BHARATHI MANI RAJAH MURUGAN, EZHILARASAN SURESH , ARUN JANARTHANAN |
| 4.00 PM TO 4.15 PM | A PRODUCTIVE ON-DEVICE FACE AUTHENTICATION ARCHITECTURE FOR EMBEDDED SYSTEMS RENJITH G AND AJI S |
| 4.15 PM TO 4.30 PM | AN ANALYSIS ON COMPUTER EXPRESS LINK WITH RICH PROTOCOLS AND USE CASES FOR DATA CENTERS ESLAVATH LAKSHMI BAI, SHITAL A. RAUT |
| 4.30 PM TO 4.45 PM | STABILITY INVESTIGATION OF ENSEMBLE FEATURE SELECTION FOR HIGH DIMENSIONAL DATA ANALYTICS ARCHANA SHIVDAS SUMANT AND DIPAK PATIL |