

# ICAETA-2023

## ICAETA

International Conference On Advanced  
Engineering, Technology And Applications

March 10 – 11, 2023



## CONFERENCE PROGRAM



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# ICAETA-2023

## DAY-1 Agenda March 10, 2023

**09:30 – 10: 00**      **Welcome Speech by General Chairs**

**10:00 – 10:30**      **Keynote Speech**  
**Dr. Gabriella Casalino**

**10:40 – 12:40**      **Technical Session - 1**

**12: 40 – 13:00**      **Break**

**13:00 – 13:40**      **Keynote Speech**  
**Dr. Mubashir Husain Rehmani**

**13:40 – 13:50**      **Break**

**13:50 – 15:20**      **Technical Session - 2**

**15:20 – 15:30**      **Break**

**15:30 – 17:00**      **Technical Session - 3**

## DAY-2 Agenda March 11, 2023

**9:00 – 10:30**      **Technical Session - 4**

**10:30 – 10:40**      **Break**

**10:40 – 12:20**      **Technical Session - 5**

**12:20 – 13:00**      **Break**

**13:00 – 13:40**      **Keynote Speech**  
**Dr. Paulo Vitor Campos Souza**

**13:40 – 14:00**      **Break**

**14:00 – 15:30**      **Technical Session - 6**

**15:30 – 16:00**      **Break**

**16:00 - 16:30**      **Closing Ceremony**

# ICAETA-2023

Day – 1

Session – 1 Chair : Dr. Alaa Ali Hameed

March 10, 2023 10:40 – 12:40

ID	Authors and Title
3430	<b>Piyush Pant, S.B. Goyal, Anand Singh Rajawat, Amol Potgantwar, Pradeep Bedi And Chawki Chawki Djeddi</b> Anomaly Detection Algorithm With Blockchain To Prevent Potential Security Attacks In The Iiot Model Of Industry 5.0
4697	<b>Ahmet Devlet Özçelik And Ahmet Sinan Öktem</b> Damage Detection On Turbomachinery With Machine Learning Algorithms
3746	<b>Abdulhameed Aboumadi And Hilal Arslan</b> PV Output Power Prediction Using Regression Methods
7163	<b>Yusuf Şevki Günaydın And Ömer Mintemur</b> Evolutionary Approach To Feature Elimination In House Price Estimation
6176	<b>Senthamarai Kannan K And Parimyndhan V</b> Modelling And Estimating Of Var Through The GARCH Model
4635	<b>Sevval Colak, Arezoo Sadeghzadeh And Md Baharul Islam</b> T-Signsys: An Efficient CNN-Based Turkish Sign Language Recognition System
1855	<b>Hassan Imani, Md Imran Hosen, Vahit Feryad And Ali Akyol</b> Efficient Object Detection Model For Edge Devices
121	<b>Saed Alqaraleh And Hatice Meltem Nergiz Sirin</b> Multimodal Classifier For Disaster Response

# ICAETA-2023

Day – 1

Session – 2 Chair : Dr. Enkeleda Lulaj

March 10, 2023 13:50 – 15:20

ID	Authors and Title
4782	<b>Sura Ali Hashim and Hasan Huseyin Balik</b> Deep Learning for ECG Signal Classification in Remote Healthcare Applications
5734	<b>Fazliaty Edora Fadzli, Ajune Wanis Ismail, Norhaida Mohd Suaib and Yin Yee Lau</b> Autonomous Agent Using AI Q-Learning in Handheld Augmented Reality Ludo Board Game
3433	<b>Md. Mijanur Rahman, Zohan Noor Hasan, Mahanaj Zaman Marufa and Mukta Roy</b> Covid-19 seasonal effect on infection cases and forecasting using Deep Learning.
290	<b>Renjith V. Ravi, S. B. Goyal and Chawki Djeddi</b> Image Encryption using Spined Bit plane Diffusion and Chaotic Permutation for Color Image Security
4745	<b>Piyush Pant, Anand Singh Rajawat, S. B. Goyal, Pawan Bhaladhare, Pradeep Bedi and Chawki Djeddi</b> Data analysis and clustering using K-means algorithm for Mars Data with the help of Perseverance Rover
8285	<b>Mübarek Mazhar Çakır and Gökalp Çınarer</b> Detection And Comparative Results Of Plant Diseases Based On Deep Learning

# ICAETA-2023

Day – 1

Session – 3 Chair : Dr. Wadhah Zeyad Tareq

March 10, 2023 15:30 – 17:00

ID	Authors and Title
7634	<b>Samer Nofal, Amani Abu Jabal, Abdullah Alfarrarjeh and Ismail Hababeh</b> On the Characteristic Functions in Listing Stable Arguments
3297	<b>Shafina Abd Karim Ishigaki, Ajune Wanis Ismail, Nur Ameerah Abdul Halim and Norhaida Mohd Suaib</b> Voice Commands with Virtual Assistant in Mixed Reality Telepresence
2952	<b>Ahmed Mohamed Saad Emam Saad</b> Leveraging Graph Neural Networks for Botnet Detection
557	<b>Lial Alzabin, M.Jannathl Firdouse and Baidaa Khudayer</b> A Literature Survey on Event Detection for Indoor Environment using Wireless Sensor Network
4347	<b>Maliha Tabussum, Murat Kuzlu, Ferhat Ozgur Catak, Salih Sarp and Kevser Şahinbaş</b> Secure Future Healthcare Applications Through Federated Learning Approaches
5400	<b>Sumeia Mechi, Muhsin Jweeg and Muhannad Al-Waily</b> The Computer Modelling of the Human Gait Cycle for the Determination of Pressure Distribution and Ground Reaction Force Using a Below Knee Sockets

# ICAETA-2023

Day – 2

Session – 4 Chair : Dr. Deepika Kumar

March 11, 2023 9:00 – 10:30

ID	Authors and Title
5416	<b>Sanabil Mahmood and Monji Herallah</b> Evaluation of the Existing Web Real Time Signaling Mechanism for Peer-to-Peer Interconnecting: Survey
7506	<b>Hazrat Bilal and Cem Direkoğlu</b> Optimized KiU-Net: Lightweight Convolutional Neural Network for Retinal Vessel Segmentation in Medical Images
2726	<b>John Jiron, Robin Gerardo Alvarez Rueda, David Vega, Felipe Grijalva, Pablo Lupera and Antonio Flores</b> Simulation of a Wheelchair Control System based on Computer Vision through Head Movements for Quadriplegic People
1592	<b>Gizem Özgül, Şeyma Derdiyok and Fatma Patlar Akbulut</b> Turkish sign language recognition using a fine-tuned pretrained model
7842	<b>Kevser Şahinbaş, Ferhat Ozgur Catak, Murat Kuzlu, Maliha Tabussum and Salih Sarp</b> Non-Cryptographic Privacy Preserving Machine Learning Methods: A Review
3337	<b>Abdullah Ahmed Aldulaimi, Alaa Ali Hameed and Akhtar Jamil</b> Photovoltaics Cell Anomaly Classification and Detection Using Deep Learning Techniques

# ICAETA-2023

Day – 2

Session – 5 Chair : Dr. Kiran Sood

March 11, 2023 10:40 – 12:20

ID Authors and Title

- 9047** **Himmet Toprak Kesgin and Mehmet Fatih Amasyali**  
Iterative Mask Filling: An Effective Text Augmentation Method Using Masked Language Modeling
- 7775** **Srinath K S, Kiran K, P Deepa Shenoy and Venugopal K R**  
Generating Sub-emotions from Social Media Data using NLP to Ascertain Mental illness
- 9068** **Şerif İnanır and Yılmaz Kemal Yüce**  
Sub Data Path Filtering Protocol for Subscription of Event Parts and Event Regeneration by Broker System in Pub/Sub Pattern
- 5280** **Zuhair Alhous, Muhannad Al-Waily, Muhsin Jweeg and Ahmed Mouthanna**  
Computerize simulation of nonlinear vibration sandwich plate structure with porosity Functionally Graded Materials core
- 1894** **Varun Deshpande, Vigneshwaran Pandi and Vishwak Nama**  
Smart Locking System using AR and IoT
- 2923** **Renjith V. Ravi, S.B. Goyal and Chawki Djeddi**  
Image Encryption using Quadrant Level Permutation and Chaotic Double Diffusion

# ICAETA-2023

Day – 2

Session – 6 Chair : Dr. Abbas Uguenver

March 11, 2023 14:00 – 15:30

ID	Authors and Title
8771	<b>Ayla Gülcü, İsmail Taha Samed Özkan, Zeki Kuş and Osman Furkan Karakuş</b> Triplet MAML for few-shot classification problems
361	<b>Önder Polat and Sema Koç Kayhan</b> Hardware Implementation of MRO-ELM for Online Sequential Learning on FPGA
649	<b>Ahmed Mouthanna, Sadeq Bakhy and Muhannad Al-Waily</b> A Computer Presentation of the Analytical and Numerical Study of Nonlinear Vibration Response for Porous Functionally Graded Cylindrical Panel
9986	<b>Muhannad Al-Waily and Muhsin Jweeg</b> A computerized Experimental Rig for the Vibration Investigation of Cracked Composite Materials Plate Structures
6458	<b>Serdar Yildiz, Abbas Memiş and Songül Varlı</b> Nuclei Instance Segmentation in Colon Histology Images with YOLOv7
7213	<b>Emre Dandıl</b> A Hybrid Machine Learning Approach for Brain Tumor Classification using Artificial Neural Network and Particle Swarm Optimization