



**H y b r i d  
C o n f e r e n c e**

**C o n f e r e n c e  
A g e n d a**

**42<sup>nd</sup> World Conference on  
Applied Science, Engineering &  
Technology (WCASET)**

# **42<sup>nd</sup> World Conference on Applied Science, Engineering & Technology (WCASET)**

**25<sup>th</sup> & 26<sup>th</sup> November 2022**

## **Conference Agenda**

**Organized by**

***Institute For Engineering Research and Publication (IFERP)***

**In Association with**

***Multimedia University and Mangalmay Group of Engineering and  
Technology***

**\*\* Time Zone: Malaysia time Zone (GMT+8)**



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## Keynote Speakers



**Prof. Dr. Mardeni Bin Roslee**  
General Chair  
WCASET - 22



**Prof. Dr. S. NagaRajan**  
Principal & Professor  
Department of Electrical Engineering,  
Surendra Institute of Engineering and  
Management, Dhukuria, West Bengal



**Dr. Elangkovan A**  
Lecturer  
UCSI University,  
Kuala Lumpur,  
Malaysia

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## Guest of Honor



**Prof. Ir. Dr. Hezerul Abdul Karim**

Deputy Dean,  
Faculty of Engineering,  
Multimedia University



**Dr. P. Velliangiri**

Emeritus Professor,  
Department of Tamil,  
Osmania University, Hyderabad, India

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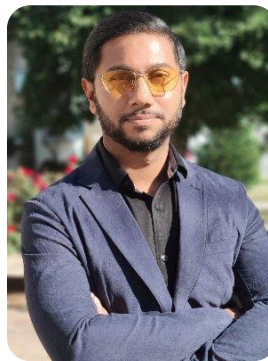
## Session Speakers



**Mr. Ankit Sharma**  
Research Manager  
SUN PHARMA,  
Gurugram, Haryana, India



**Shri Ashish Chugh, ITS**  
Assistant Director General  
Indian Telecom Service/ITS,  
Department of Telecom, Government of India,  
Hyderabad, Telangana, India



**Mr. Hasnaeen Rizvi Rahman**  
Founder & CEO  
Asth IT, TEDx Speaker,  
Dhaka, Bangladesh

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## Guest Speaker



**A/Professor Dr. Rayner Alfred**

Head of Research Unit  
Knowledge Technology - Advanced  
Machine Intelligence  
Universiti Malaysia Sabah,  
88400 Kota Kinabalu, Sabah, Malaysia

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## Panel Discussion



**Dr. Jihane Benmassoud**  
Professor & Journal Reviewer,  
Guest Editor  
Department of Tourism and Management  
Cadi Ayyad University  
ESTE Essaouira, Morocco



**Dr. Aicha Bouchara**  
Professor  
Department of Languages and  
Communications Faculty of Science and  
Techniques in Tangiers, Abdelmalek Essaadi  
University, Morocco.



**Mr. Nabil Belmekki**  
Professor  
Higher School of Technology, Moulay Ismail  
University of Meknes, Morocco



**Mr. Budianto Hamuddin, MSEL**  
Lecturer & Journal editor  
Department of English at Universitas  
Lancang Kuning.



## Session Chairs



**Dr. Lee It Ee**  
Senior Lecturer,  
Faculty Of Engineering,  
Multimedia University



**Assoc. Prof. Ir.Dr. Pang Wai Leong**  
Associate Professor,  
Faculty of Engineering,  
Multimedia University



**Dr. Chung Gwo Chin**  
Lecturer,  
Faculty of Engineering,  
Multimedia University



**Dr. Teh Chin Hui**  
Lecturer,  
Faculty of Engineering,  
Multimedia University



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**DR. OSAMA M.S. ABU AJWA**  
Centre for Wireless Technology,  
Faculty of Engineering,  
Multimedia University



**Assoc. Prof. Ir. Dr. Noor Izzri Bin  
Abdul Wahab**  
Associate Professor  
Department of Electrical and Electronic  
Engineering,  
Universiti Putra Malaysia



**Mr. I Putu Tedy Indrayana**  
Lecturer,  
Faculty of Mathematics and Natural Sciences,  
Universitas Udayana,  
Bali, Indonesia



**Dr. Manohar D.R**  
Associate Professor  
Nagarjuna College of Engineering and  
Technology,  
India





## Program Schedule

9:00 AM – 09:30 AM	Registration desk
09:30 AM – 9:35 AM	Malaysia National Anthem + MMU Song
09:35 AM – 9:40 AM	India National Anthem
09:40 AM – 9:50 AM	Introduction & Welcome Speech by EMCEE
09:50 AM – 10:00 AM	Welcome Speech by <b>Mr. Siddth Kumar Chhajer</b> - Founder, Managing Director of Technoarete Groups
10:00 AM – 10:10 AM	Welcome Speech by General chair <b>Prof.Dr.Mardeni Bin Roslee</b>
10:10 AM – 10:20 AM	Speech by Guest of Honor <b>Prof. Ir. Dr. Hezerul Abdul Karim</b>
10:20 AM – 10:30 AM	Tea/Coffee Break
10:30 AM – 11:00 AM	Speech by Keynote Speaker <b>Dr. Elangkovan A</b>
11:00 AM – 11:20 AM	Speech by Keynote Speaker <b>Prof.Dr.Mardeni Bin Roslee</b>
11:20 AM – 11:30 AM	Speech by Guest of Honor <b>Dr. P. Velliangiri</b>
11:30 AM – 11:40 AM	Photography Session
11:40 AM – 12:00 PM	Speech by Session Speaker <b>Mr. Ankit Sharma</b>
12:00 PM – 12:30 PM	Technical Session I
12:30 PM – 02:10 PM	Lunch Break
02:10 PM – 02:40 PM	Panel Discussion <b>How to write and publish a scientific research paper?</b>
02:40 PM – 04:50 PM	Technical Session I(Contd....)
04:50 PM – 05:00 PM	Tea/Coffee Break
05:00 PM – 05:20 PM	Valedictory function
05:20 PM – 05:30 PM	Vote of thanks



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**DAY 1**  
**25<sup>th</sup> November 2022**

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## Technical Session I

- 11:50 AM – 12:00 PM Boosting accuracy of Supervised Algorithm with the Introduction of Helper Constant  
*Presentation by Dr Saravanakumar C Shanmugam*
- 12:00 PM – 12:10 PM Performance Analysis of Chronic Kidney Disease Detection Based on K-Nearest Neighbors Data Mining  
*Presentation by Mohtady Ehab Barakat*
- 12:10 PM – 12:20 PM Virtual Reality Systems For Exposure Therapy  
*Presentation by Yaseein Soubhi Hussein*

**To Be Continued....**



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**Lunch Break**

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## Technical Session I (Contd...)

- 02:40 PM – 02:50 PM Studies on Effects of Unexplored Organic Traditional Leather Waste as Organic Fertilizer on Quality and Yield of Grapes  
*Presentation by Kailas Deoram Ahire*
- 02:50 PM – 03:00 PM Development of An IoT-Enabled Photovoltaic-Battery Renewable Energy System  
*Presentation by It Ee Lee*
- 03:00 PM – 03:10 PM Predictive maintenance model for marine vessels using Machine Learning  
*Presentation by Thirein Myo*
- 03:10 PM – 03:20 PM A Proposal of Framework to Improve Sentiment Classifier Using TF-IDF for the Twitter Dataset and the Tweet Length  
*Presentation by HoongCheng Soong*
- 03:20 PM – 03:30 PM Designing Malaysian Based Dangerous Traffic Situations in Driving Education based Prototype Simulator  
*Presentation by Cheng Yun Quan*
- 03:30 PM – 03:40 PM Modelling Learner's Perception of Blended Learning in a Developing Country  
*Presentation by Kogilah Narayanasamy*
- 03:40 PM – 03:50 PM A Framework for the Adoption of Blockchain Technology in Managing Medical Records in Africa  
*Presentation by Adamu Sa'ad Madaki*
- 03:50 PM – 04:00 PM Critical Review on Machine Learning in 5G Mobile Networks  
*Presentation by Mohamed Mohsen Farouk*
- 04:00 PM – 04:10 PM Geotechnical Properties of Omani Sabkha Using Cement-marble Stabilization Technique  
*Presentation by Mohammed Al Aghbari*
- 04:10 PM – 04:20 PM NAMI (*Dioscorea hispida*) and WILD UBI (*Dioscorea villosa*) FERMENTED AS VALUE-ADDING NUTRIENT FEED RESOURCES USING THREE FUNGAL SPECIES  
*Presentation by ROMEO I RAMOS*



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- 04:20 PM – 04:30 PM Design of Low-Cost Active Noise Cancellation System for Automobile  
*Presentation by Wai Leong Pang*
- 04:30 PM – 04:40 PM Machine Learning-Based Car Specification Mismatching System for Pre-crime Detection  
*Presentation by Chung Gwo Chin*
- 04:40 PM – 04:50 PM Development of Risk-Based Dam Safety Framework in Climate Change Condition for Batu Dam, Malaysia  
*Presentation by Wan Noorul Hafilah Bt Wan Ariffin*

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**DAY 2**  
**26<sup>th</sup> November 2022**

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## Program Schedule

09:30 AM – 09:45 AM	Introduction & Welcome Speech by EMCEE
09:45 AM – 10:00 AM	Welcome Speech by <b>Associate Professor Dr. Henderi, M.Kom.</b>
10:00 AM – 10:15 AM	Welcome Speech by <b>Dr. Manju Gupta</b>
10:15 AM – 10:45 AM	Speech by Guest Speaker <b>Dr. Rayner Alfred</b>
10:45 AM – 11:15 AM	Speech by Keynote Speaker <b>Dr.S.Nagarajan</b>
11:15 AM – 11:35 AM	Speech by Session Speaker <b>Shri Ashish Chugh, ITS</b>
11:35 AM – 02:00 PM	Technical Session I <b>Communication</b>  Technical Session II <b>Technology Trends</b>
02:00 PM – 02:30 PM	Lunch Break
02:30 PM – 02:50 PM	Speech by Session Speaker <b>Mr. Hasnaeen Rizvi Rahman</b>
02:50 PM – 04:30 PM	Technical Session III <b>Machine Vision</b>  Technical Session IV <b>Physical and Life science</b>
04:30 PM – 04:40 PM	Valedictory function
04:40 PM – 04:50 PM	Upcoming conference promotion
04:50 PM – 05:00 PM	Vote of thanks





## Technical Session I

- 11:30 AM – 11:40 AM Factors Affecting Students' Academic Performance: A review  
*Presentation by YOUSUF NASSER SAID AL HUSAINI*
- 11:40 AM – 11:50 AM Design and Implement a Wireless Temperature Monitoring System using Noncontact IR Sensor Based on Arduino  
*Presentation by Yasameen kamil Najm*
- 11:50 AM – 12:00 PM A Virtual Reality Approach to Support Malaysian Sign Language Interactive Learning for Deaf-mute Children  
*Presentation by Nur Raidah Rahim*
- 12:00 PM – 12:10 PM Cough Detection System Using Machine Learning and Deep Learning Techniques  
*Presentation by Noorfadzli bin Abdul Razak*
- 12:10 PM – 12:20 PM Development Model For The Implementation Of Information Leakage Protection Program In Public Sector Agencies  
*Presentation by Syarbaini Ahmad*
- 12:20 PM – 12:30 PM Detection of Chronic Obstructive Pulmonary Disease (COPD) and Pneumonia on Lung Sounds Analysis by Using Convolutional Neural Network  
*Presentation by Wan Nurul Aiffah Ismail*
- 12:30 PM – 12:40 PM A Simple Way to Increase the Performance of the 3-phases Induction Motor  
*Presentation by Zuriman Anthony*
- 12:40 PM – 12:50 PM Preparation and characterization of composited Zinc Oxide (ZnO)/ Tin Oxide (SnO<sub>2</sub>) nanostructure film-based humidity sensor by electrospraying method  
*Presentation by Aida Fadhlina Aqilah Binti Mat Yusof*
- 12:50 PM – 01:00 PM Algorithm of Attack on the Data Center in an IoT Network  
*Presentation by Mardeni Roslee*
- 01:00 PM – 01:10 PM Structural and Humidity sensing Characteristics of Zinc Oxide Nanostructure on PET substrate Prepared by Sol-Gel Immersion Method Immersed at Different Times  
*Presentation by Shahirah Ahmad Kamal*



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- 01:10 PM – 01:20 PM Internet of Things Agriculture Precision Monitoring System based on Low Power Wide Area Network  
*Presentation by Mardeni Roslee*
- 01:20 PM – 01:30 PM Dual Mode Solar Power for IoT based Smart Farming System  
*Presentation by Chu-Liang Lee*
- 01:30 PM – 01:40 PM Suitability of drone-dispersal pollination in enhancing the fruiting characteristics in date palms  
*Presentation by Rehna V J*
- 01:40 PM – 01:50 PM Experimental Investigation of Insulator Dielectric Strength of Transmission Tower in Rocky Areas  
*Presentation by Yusreni Warmi*
- 01:50 PM – 02:00 PM An Intelligent Waste Management System Enabled by IoT  
*Presentation by Kah-Yoong Chan*



## Technical Session II

- 11:30 AM – 11:40 AM Efficacy of Pelletized Biochar from various agri-waste Materials on Soil Chemical Properties and Growth and Yield of Honeydew Melon (Cucumis melo)  
*Presentation by Cipriano M Ticman Jr*
- 11:40 AM – 11:50 AM Analysing the need of big data owners to regularly update security measures  
*Presentation by Geethamanikanta*
- 11:50 AM – 12:00 PM Growth performance and organoleptic evaluation of broiler fed with medicinal leaf meal supplementation  
*Presentation by Khrissenda May C Ferrer*
- 12:00 PM – 12:10 PM Regression Control Charts-A Survey  
*Presentation by Nancy M*
- 12:10 PM – 12:20 PM A Decision Support System for Benguet's Upland Vegetable Crop Prediction using Machine Learning Techniques  
*Presentation by Anna Rhodora Quitaleg*
- 12:20 PM – 12:30 PM Integrated Waste Bank Application for Zero Waste Program  
*Presentation by Luluk Suryani*
- 12:30 PM – 12:40 PM UiO-66-NH<sub>2</sub> Metal Organic Framework: an effective heterogeneous catalyst for rapid methylation of fluorinated aromatic carboxylic acids  
*Presentation by Anuj Kumar*
- 12:40 PM – 12:50 PM How Perceived Trust Mediates Indonesian Lenders' Intention to Use P2P Lending Platform  
*Presentation by Minsani Mariani*
- 12:50 PM – 01:00 PM Good Practices of ultrasound biometric authentication for connection with globalization  
*Presentation by Arifa Parvin*
- 01:00 PM – 01:10 PM Measuring travel time reliability variables in a non-signal highway traffic route  
*Presentation by Musa Adamu Eya*
- 01:10 PM – 01:20 PM Application of Remote Sensing and Gis Technology for Mornitoring Coastline Change in Han River, Da Nang City, Vietnam Using Remotely Sensed Data  
*Presentation by Nguyen Trong Khanh*



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01:20 PM – 01:30 PM Detecting Shoreline Change in the Coast of Quang Nam Province, Vietnam  
Using Modification of Normalized Difference Water Index (mndwi)

*Presentation by Nguyen Trong Khanh*

01:30 PM – 01:40 PM The Extraction of Built-up Land Areas from Sentinel Satellite Imagery in Ho  
Chi Minh City, Vietnam

*Presentation by Nguyen Trong Khanh*

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**Lunch Break**

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## Technical Session III

- 02:50 PM – 03:00 PM Evaluation of Attack Environment Effect of Security in Data Centers of Internet of Things  
*Presentation by Mardeni Roslee*
- 03:00 PM – 03:10 PM An Improved Metaheuristic Method for Unequal Facility Layout Problem  
*Presentation by Nurul Nadia Nordin*
- 03:10 PM – 03:20 PM Effect of Reinforcement Layer Number on Energy Absorption of Jute GRFP Hybrid Hollow Tubes Under Axial Loading  
*Presentation by Ganesh Kumar Krishnan*
- 03:20 PM – 03:30 PM Recycling of High Density Polyethylene Plastics (HDPE) Reinforced with Coconut Fibers for Floor Tiles  
*Presentation by Zhou Yi*
- 03:30 PM – 03:40 PM Solar Power Generation System Model Integrated With Network Connected Battery Electricity  
*Presentation by Ramadan Salem Ramadan Skkat*
- 03:40 PM – 03:50 PM Evaluation of Composite Slab Behaviour with Different Span to Depth Ratio  
*Presentation by Ali Ibrahim Mohammad Alsarayreh*
- 03:50 PM – 04:00 PM Construction and Corporate Social Responsibility (CCSR) in the Philippines: Framework Standard Formulation for Construction Firms  
*Presentation by Marra Diadem M. Andaya*
- 04:00 PM – 04:10 PM The Stirring Process in Bed Dryer Resulting in the Increase of Airflow Used to Assist Drying  
*Presentation by Dandy Zulkarnain*
- 04:10 PM – 04:20 PM The Utilization of Local Filter Materials with Combination of Ion Exchanger Media for Brackish Water Treatment  
*Presentation by Ivan Reynaldi Limantara*
- 04:20 PM – 04:30 PM Electrode's modification using multi-wall carbon nanotubes for the integrated system of microbial electrolysis cell and anaerobic digester  
*Presentation by Aseel AlDaas*



## Technical Session IV

- 02:50 PM – 03:00 PM Hydrodynamic Model of Flood Flow Around Bridge in Ciujung River, Serang Regency, Banten  
*Presentation by Gita Silvia Pamungkas*
- 03:00 PM – 03:10 PM Effect of Types of Organic Materials and Microbial Enrichment on C/N Ratio, Nutrition of Compost, and Microbe Population with Trichoderma sp. Indigenous Activators  
*Presentation by Nelson Elita*
- 03:10 PM – 03:20 PM Hydrodynamic Model of Flood Flow Around Pamarayan Weir in Ciujung River, Banten Province  
*Presentation by Lezi Miartix*
- 03:20 PM – 03:30 PM Process for Removal of Antibiotics in Water with Nanochar Derived From Corn Cob Waste  
*Presentation by Saranya Kuppusamy*
- 03:30 PM – 03:40 PM Productivity of Hybrid Rice (Mestizo 27) Under Different Water And nutrient Management System  
*Presentation by Jayson Atal*
- 03:40 PM – 03:50 PM Quinacrine: A potential small molecule for the treatment of invasive ductal carcinoma in the future  
*Presentation by Angshuman Sarkar*
- 03:50 PM – 04:00 PM Hydrodynamic Model as Risk Assessment Tool for Tidal Flood Countermeasures in Pasuruan Regency, Indonesia  
*Presentation by Surya Hermawan*



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Join Zoom Meeting:

<https://us02web.zoom.us/j/88369751263?pwd=TTY0U09XVj9ZUGJiSU5hbTlNemFYUT09>

Meeting ID: 883 6975 1263

Passcode: 052136

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