

The 3<sup>rd</sup> International Conference  
on Data Science and Emerging Technologies

# DaSET 2024

ARTIFICIAL INTELLIGENCE: IMPACT ON  
SOCIETY AND SHAPING LIVES



12-13 December 2024  
Virtual Conference  
<https://www.icdaset.com>

## PROGRAMME SCHEDULE

**International Conference on Data Science and Emerging  
Technologies  
(DaSET 2024)**

*Artificial Intelligence: Impact on Society and Shaping Lives*


Conference Schedule DaSET 2024 - The International Conference  
on Data Science and Emerging Technologies  
12-13 December 2024

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# Virtual Links

## Main Room

Link	QR-Code
<p><a href="https://tinyurl.com/64dv7b7k">https://tinyurl.com/64dv7b7k</a></p>	 <p>A QR code with a black and white pixelated pattern. It features three blue square markers at the corners. In the center of the code, the text "DaSET2024" and "Main Room" is printed in a small blue font.</p>

## Room 2

Link	QR-Code
<p><a href="https://tinyurl.com/4y4hwhse">https://tinyurl.com/4y4hwhse</a></p>	 <p>A QR code with a black and white pixelated pattern. It features three green square markers at the corners. In the center of the code, the text "DaSET2024" and "Room 2" is printed in a small green font.</p>

# Conference Schedule

Day 1: Thursday, 12<sup>th</sup> December 2024

**Please note that all times are stated in Malaysia Time (MYT),  
which is GMT+8.**

Time (MYT)	Activities
8:00 -9:00	Online Registration
9:00 -9:05	National Anthem & Doa Recital Main Room: <a href="https://tinyurl.com/64dv7b7k">https://tinyurl.com/64dv7b7k</a>
9:05 - 9:10	<b>Welcoming Remarks</b>  <b>Professor Dr. Yap Bee Wah &amp; Professor Dr. Dhiya Al-Jumeily, OBE</b>  Conference Chairs  UNITAR International University, Malaysia & Liverpool John Moores University, UK
9:10 -9:20	<b>Opening Speech by:</b>  <b>YBhg Dato' Sri Dr. Mohd Uzir Mahidin</b> Chief Statistician Department of Statistics, Malaysia
9:20 - 9:25	Montage DaSET2024
9:25 -9:30	Online Photography Session

<p>9:30 -10:00</p>	<p><b>Keynote Speaker 1</b></p> <p><b>Professor Dr. Tanveer Zia</b> University of Notre Dame, Australia</p> <p><i>Keynote Title: AI in Education: Balancing Innovation Responsibly</i></p> <p><b>Moderator: Dr. Tahir Mehmood</b> UNITAR International University, Malaysia Main Room: <a href="https://tinyurl.com/64dv7b7k">https://tinyurl.com/64dv7b7k</a></p>
<p>10:00 -10:15</p>	<p>Break</p>
<p>10:15 -10:45</p>	<p><b>Keynote Speaker 2</b></p> <p><b>Mr Azwan Baharuddin</b> Country Managing Director Accenture, Malaysia</p> <p><i>Keynote Title: Human by design: How AI Unleashes the Next Level of Human Potential</i></p> <p><b>Moderator: Associate Professor Dr. Farhad Nadi</b> UNITAR International University, Malaysia Main Room: <a href="https://tinyurl.com/64dv7b7k">https://tinyurl.com/64dv7b7k</a></p>

10:45 -11:15	<p><b>Keynote Speaker 3</b></p> <p><b>Professor Dr. Chidchanok Lursinsap</b> Chulalongkorn University, Thailand</p> <p><i>Keynote Title: Energy and Resource Awareness in Machine Intelligence and Learning</i></p> <p><b>Moderator: Dr. Feras Zen Alden</b> Universiti Teknologi MARA, Malaysia Main Room: <a href="https://tinyurl.com/64dv7b7k">https://tinyurl.com/64dv7b7k</a></p>
11:15 -11:30	Break
11:30 -12:00	<p><b>Keynote Speaker 4</b></p> <p><b>Professor Dr. Siddhivinayak Kulkarni</b> MIT-World Peace University, India</p> <p><i>Keynote Title: Transforming Medicine Through AI: Harnessing the Power of Data Science for Personalized Healthcare, Advanced Diagnostics, and Improved Patient Outcomes</i></p> <p><b>Moderator: Dr. Umar Farooq Khattak</b> UNITAR International University, Malaysia Main Room: <a href="https://tinyurl.com/64dv7b7k">https://tinyurl.com/64dv7b7k</a></p>
12:00 - 13:00	<p><b><u>Paper Presentations</u></b> Main Room: <a href="https://tinyurl.com/64dv7b7k">https://tinyurl.com/64dv7b7k</a></p> <p>Track 1a: Data Science &amp; Analytics (4 papers)</p> <p><b>Moderator: Dr. Umar Farooq Khattak</b> UNITAR International University, Malaysia</p>

	<p><b>Paper Presentations</b>  Room 2: <a href="https://tinyurl.com/4y4hwhse">https://tinyurl.com/4y4hwhse</a></p> <p>Track 2a: Machine Learning Techniques &amp; Applications (4 papers)</p> <p><b>Moderator: Ms Fazidah Wahit</b>  UNITAR International University, Malaysia</p>
13:00 -14:00	Lunch Break
14:00 -14:30	<p><b>Keynote Speaker 5</b></p> <p><b>Professor Dato’ Dr. Shamala K. Subramaniam</b>  Universiti Putra Malaysia, Malaysia</p> <p><b>Moderator: Dr. Prof. Jamila Mustafina</b>  Kazan Federal University, Russia  Main Room: <a href="https://tinyurl.com/64dv7b7k">https://tinyurl.com/64dv7b7k</a></p>
14:30 - 17:00	<p><b>Paper Presentations</b>  Main Room: <a href="https://tinyurl.com/64dv7b7k">https://tinyurl.com/64dv7b7k</a></p> <p>Track 3: Healthcare &amp; Medical AI Applications (9 papers)</p> <p><b>Moderator: Dr. Hasanul Fahmi Zuhri</b>  UNITAR International University, Malaysia</p>
	<p><b>Paper Presentations</b>  Room 2: <a href="https://tinyurl.com/4y4hwhse">https://tinyurl.com/4y4hwhse</a></p> <p>Track 2b: Machine Learning Techniques &amp; Applications (4 papers)</p>

	<p>Track 4: Cybersecurity &amp; Awareness (4 papers)</p> <p><b>Moderator: Ms Fazidah Wahit</b> UNITAR International University, Malaysia</p>
17:00 - 17:05	<p>Closing of Day 1</p> <p>Main Room: <a href="https://tinyurl.com/64dv7b7k">https://tinyurl.com/64dv7b7k</a></p>



## Day 2: Friday, 13th December 2024

Please note that all times are stated in Malaysia Time (MYT),  
which is GMT+8.

Time (MYT)	Activities
09:15 - 09:25	Online Registration
09:25 - 09:30	Welcoming Remarks Main Room: <a href="https://tinyurl.com/64dv7b7k">https://tinyurl.com/64dv7b7k</a>
09:30 - 10:00	<b>Keynote Speaker 6</b>  <b>Associate Professor Dr. Wan Fairos Wan Yaacob</b> Universiti Teknologi MARA, Malaysia  <i>Keynote Title: Machine Learning in Disease Prediction: Fine-Scale Integrated Surveillance and Monitoring System</i>  <b>Moderator: Dr. Hasanul Fahmi Zuhri</b> UNITAR International University, Malaysia Main Room: <a href="https://tinyurl.com/64dv7b7k">https://tinyurl.com/64dv7b7k</a>
10:00 – 10:30	<b>Keynote Speaker 7</b>  <b>Professor Dr. Adel Al-Jumaily</b> Melbourne Institute of Technology, Australia  <i>Keynote Title: Plenary Speech Computational Intelligence in Healthcare Technology: Current Landscape, Challenges, and Future Directions with Gen AI</i>  <b>Moderator: Mr Mehdi Samieiyeganeh</b> UNITAR International University, Malaysia Main Room: <a href="https://tinyurl.com/64dv7b7k">https://tinyurl.com/64dv7b7k</a>

10:30 – 10:45	<b>Break</b>
10:45 - 12:20	<p><b>Paper Presentations</b> Main Room: <a href="https://tinyurl.com/64dv7b7k">https://tinyurl.com/64dv7b7k</a></p> <p>Track 5a: Business, Education, IOT, and the Environment (4 papers)</p> <p><b>Moderator: Dr Danny Ngo Lung Yao</b> UNITAR International University, Malaysia</p>
	<p><b>Paper Presentations</b> Room 2: <a href="https://tinyurl.com/4y4hwhse">https://tinyurl.com/4y4hwhse</a></p> <p>Track 6: Time Series &amp; Forecasting Models (6 papers)</p> <p><b>Moderator: Dr. Hasanul Fahmi Zuhri</b> UNITAR International University, Malaysia</p>
12.20 – 13.00	<p>Demo from STATWORKS representative <b>Nurdianafatin binti Abd Razak</b> Statworks (M) Sdn Bhd</p> <p>Title: AI-Powered Productivity: A Deep Dive into Citavi's New Features</p>
13:00 - 14:00	<b>Lunch Break</b>

<p>14:00– 14:30</p>	<p><b>Keynote Speaker 8</b></p> <p><b>Mr Dann DeGuzman</b> CloudSwyft</p> <p><b>Moderator: Dr. Iznora Aini Zolkifly</b> UNITAR International University, Malaysia Main Room: <a href="https://tinyurl.com/64dv7b7k">https://tinyurl.com/64dv7b7k</a></p>
<p>14:30 - 15:00</p>	<p><b>Keynote Speaker 9</b></p> <p><b>Professor Dr. Adil Khan</b> University of Hull, UK</p> <p><i>Keynote Title: Unlocking AI's Transformative Potential: A Vision for Robust, Transparent, and Trustworthy AI Systems</i></p> <p><b>Moderator: Dr. Tahir Mehmood</b> UNITAR International University, Malaysia Main Room: <a href="https://tinyurl.com/64dv7b7k">https://tinyurl.com/64dv7b7k</a></p>
<p>15:00 -15:30</p>	<p><b>Keynote Speaker 10</b></p> <p><b>Prof. Dr. Layth Sliman</b> Efrel Paris, France</p> <p><i>Keynote Title: Towards Open Collaboration Framework</i></p>

	<p><b>Moderator: Associate Professor Dr. Farhad Nadi</b>  UNITAR International University, Malaysia  Main Room: <a href="https://tinyurl.com/64dv7b7k">https://tinyurl.com/64dv7b7k</a></p>
15:30 - 17:00	<p><b><u>Paper Presentations</u></b>  Main Room: <a href="https://tinyurl.com/64dv7b7k">https://tinyurl.com/64dv7b7k</a></p> <p>Track 5b: Business, Education, IOT, and the Environment (4 papers)</p> <p>Track 7: Computer Vision &amp; Image Processing (4 papers)</p> <p><b>Moderator: Mr Mehdi Samieiyeganeh</b>  UNITAR International University, Malaysia</p>
	<p><b><u>Paper Presentations</u></b>  Room 2: <a href="https://tinyurl.com/4y4hwhse">https://tinyurl.com/4y4hwhse</a></p> <p>Track 1b: Data Science &amp; Analytics (6 papers)</p> <p><b>Moderator: Dr. Iznora Aini Zolkifly</b>  UNITAR International University, Malaysia</p>
17:00- 17:30	<p>Best Paper Awards  Closing Ceremony</p>

## Paper Presentations Schedule

### Track 1a: Data Science & Analytics

Venue: Main Room: <https://tinyurl.com/64dv7b7k>

Date: 12<sup>th</sup> December 2024 (Thursday)

Session 1: 12:00– 13:00

Session Chair: Dr. Umar Farooq Khattak, UNITAR International University, Malaysia

NO	TIME	ID	TITLE	AUTHORS
1.	12:00– 12:15	1571079977	A Comparative Study of Supervised Machine Learning Algorithms for Student Studying Prediction	Robert T. Hans and Tlou James Ramabu
2.	12:15– 12:30	1571074630	Bootstrap-Based Tr(R2) Control Charts for Monitoring Multivariate Variability Process	Sukma Adi Perdana, Muhammad Mashuri and Muhammad Ahsan
3.	12:30– 12:45	1571074765	A Study on the Impact of Data Poisoning Attacks in Wireless Networks on Different ML Algorithms	Divya G Nair, Rakshesh P Bhatt, Ranjana Navalde and Manas Tiwari
4.	12:45 – 13.00	1571074811	Exploring Numerical and Categorical Feature Engineering Strategies with Machine Learning for COVID-19 Vaccine Hesitancy Prediction	Aqilah Syahirah and Jasy Liew Suet Yan

## Track 1b: Data Science & Analytics

Venue: Room 2: <https://tinyurl.com/4y4hwhse>

Date: 13<sup>th</sup> December 2024 (Friday)

Session 4: 15:30 – 17.00

Session Chair: Dr. Iznora Aini Zolkifly, UNITAR International University, Malaysia

NO	TIME	ID	TITLE	AUTHORS
1.	15:30 – 15:45	1571074823	Optimizing Document Clustering with Multi-View Fuzzy Techniques: Insights from CSR News Analysis	Nik Siti Madihah Nik Mangsor, Syerina Azlin Md Nasir and Shuzlina Abdul Rahman
2.	15:45– 16:00	1571075284	Bootstrap Based Robust g Control Chart for Monitoring Processes Nonconformities	M. Y. Matdoan, Muhammad Mashuri and Muhammad Ahsan
3.	16.00 – 16.15	1571079751	Dynamic Efficiency Analysis the Indonesia Educational System Using Data Envelopment Analysis and Malmquist Productivity Index	Zakiatul Wildani and Mohammad Rozan Hakim
4.	16.15 – 16.30	1571074728	Performance Comparison of Individual Risk Model Using VaR-POT with Its Risk Dependence Model Using Quantile Regression-Based CoVaR	Hasri Wiji Aqsari, Dedy Dwi Prastyo and Muhammad Sjahid Akbar

5.	16.30 – 16.45	1571075209	An Investigation Towards the Effects of Environmental Noise and Reverberation on Synthetic Speech Generation and Detection	Stefan Wolley, Karl O. Jones, Colin Robinson, Sebastian Chandler-Crnigoj, Suzanne M. McColl and Helen Burrell
6.	16.45 – 17.00	1571079615	Leveraging Quantized Language Models for Automating Behavioral-Based Safety Observations Analysis	Hossein Zavari and Temitayo Matthew Fagbola

## Track 2a: Machine Learning Techniques & Applications

Venue: Room 2: <https://tinyurl.com/4y4hwhse>

Date: 12th December 2024 (Thursday)

Session 1: 12:00– 13:00

Session Chair: Ms Fazidah Wahit, UNITAR International University, Malaysia

NO	TIME	ID	TITLE	AUTHORS
1.	12:00– 12:15	1571081936	Enhanced Breast Cancer Prediction Through Integrated Intelligent Models and Dynamic Optimization Techniques	Eman Humaid Said Al-Riyami, Padma Theagarajan, Aruna Kumar Kavuru, Tamilselvi Madeswaran, Vinodkumar Uttamrao Kakde, Sanjai Gupta, Suad Abdullah Sulaiman Al-Riyami
2.	12:15– 12:30	1571076541	On the New Modification of Schwarz Information Criterion	Muhammad Fajar and Rinda Nariswari
3.	12:30– 12:45	1571079918	Hyperparameter Optimization of Decision Tree Using Modified Grey Wolf Optimizer for Diabetes Classification	Muhammad Sam'an, Mustafa Mat Deris, Farikhin, and Beta Noranita



4.	12.45 – 13.00	1571079002	Improving PLS-SEM with MARS: An Innovative Approach for Nonlinear Interactions Between Latent Variables	Hendra H. Dukalang, Bambang Widjanarko Otok and Purhadi
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## Track 2b: Machine Learning Techniques & Applications

Venue: Room 2: <https://tinyurl.com/4y4hwhse>

Date: 12<sup>th</sup> December 2024 (Thursday)

Session 2: 14:30 – 17.00

Session Chair: Ms Fazidah Wahit, UNITAR International University, Malaysia

NO	TIME	ID	TITLE	AUTHORS
1.	14.30 – 14.45	1571074781	Siamese Neural Network Approach to Detecting Spatial Similarities in Earthquake Patterns: A Case Study of Maluku and Sulawesi	Tintrim Dwi Ary Widhianingsih, Achmad Choiruddin and Jessica Zerlina Sarwono
2.	14.45 – 15.00	1571066209	Classifying Students' Performance in Mathematics in a Multicultural Primary School Using Machine Learning Algorithms	Rawaa Al-Jumeily, Sulaf Assi, Hoshang Kolivand, Abdullah Al Hamid, Noor Azma Ismail, Thar Baker, Jamila Mustafina and Dhiya Al-Jumeily
3.	15.00 – 15.15	1571072294	Proposed Framework for Software Redocumentation Using Distributed Data Processing Techniques and Ontology	Laila Almawaldi, Hiew Khai Hang, and Sugumaran a/l Nallusamy

4.	15.15 – 15.30	1571070507	Exploring Use of Data Topology in Improving Gan-Generated Tabular Synthetic Data	Gopendu Sen, Sultanova Nailya, Jamila Mustafina and Paridah Daud
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### Track 3: Healthcare & Medical AI Applications

Venue: Main Room: <https://tinyurl.com/64dv7b7k>

Date: 12<sup>th</sup> December 2024 (Thursday)

Session 2: 14:30 – 17.00

Session Chair: Dr. Hasanul Fahmi Zuhri, UNITAR International University, Malaysia

NO	TIME	ID	TITLE	AUTHORS
1.	14:30 – 14:45	1571081641	AI-Powered Online System for Anemia Detection Through Advanced RBC Image Analysis	Syed Hamad Shirazi, Muhammad Shahzad, Zakir Khan, Mushtaq Ali and Tahir Mehmood
2.	14:45 – 15:00	1571079469	AI-Driven Triage: Optimizing Emergency Department Workflows with IoMT-Based Telemedicine and Hybrid Machine Learning Models	Hajer Alwindawi and Yücel Batu Salman
3.	15.00 – 15.15	1571079494	Brain Tumor Diagnosis Through Transfer Learning with CNNs: A Comparative Evaluation of Xception, InceptionV3, MobileNetV2, ResNet50, VGG19 and VGG16 Models on MRI Images	Ahmeed Suliman Farhan, Umar Manzoor, Muhammad Khalid, Muhammad Khan, Umar Farooq Khattak and Ali Al-Kubaisi
4.	15.15 – 15.30	1571067435	Detection of Drugs in Spiked Drinks Using	Olivia Williams, Abdullah Al Hamid,

			Handheld Infrared and Raman Spectroscopy and Machine Learning Algorithms	Thomas Coombs, Leung Tang, Sam Walker, Ana Blanco, Jason Birkett, Dhiya Al-Jumeily, Intan Izzatul Fariza and Sulaf Assi
5.	15.30 – 15.45	1571074617	Liver Disease Detection with Combined Machine Learning Algorithms and Voting Classifiers	Gabriel de Arruda Leite, Beatriz Flãmia Azevedo, Maria F. Pacheco, Florbela P. Fernandes and Ana I. Pereira
6.	15:45 – 16:00	1571079545	Disease Clustering in Indonesia Using K-Medoids	Syarifah Diana Permai, Catharina Zevania Neysa Soetanto, Vieren Cristian, Siti Komsiyah, Muhammad Fadlan Hidayat
7.	16:00 – 16: 15	1571075224	Optimising Alzheimer's Disease Biomarker Prediction Through Gene Expression Analysis and Automated Machine Learning	Mohammad Nasir Abdullah, Ilya Zulaikha Zulkifli and Yap Bee Wah

8.	16:15 – 16.30	1571074980	Parametric Survival Analysis Using Weibull Regression Model for Stroke Patients	Syarifah Diana Permai, Andhika Puspita Mayang Sari, Vieren Christian and Noryanti Muhammad
9.	16: 30 – 16.45	1571083289	A Comparative Analysis of Predicting Heart Disease Using Machine Learning Algorithms	Nur Hidayah Azmidi, Noryanti Muhammad, Bala Abu Bakar, Norhayati Rosli and Najihah Mohamed

## Track 4: Cybersecurity & Awareness

Venue: Room 2: <https://tinyurl.com/4y4hwhse>

Date: 12<sup>th</sup> December 2024 (Thursday)

Session 2: 14:30 – 17.00

Session Chair: Ms Fazidah Wahit, UNITAR International University, Malaysia

NO	TIME	ID	TITLE	AUTHORS
1.	15:30 – 15:45	1571078171	Enhancing Cybersecurity Awareness Through Game-Based Learning	Iznora Aini Zolkifly, Desmond Foong Mun Wai and Danny Ngo Lung Yao
2.	15:45 – 16:00	1571067438	Fake News Detection Using Explainable Artificial Intelligence	Satish Kumar Singh, Sulaf Assi, Tilak Ginige, Ammar H. Mohammed, Fazidah Wahit and Dhiya Al-Jumeily
3.	16:00 – 16:15	1571076975	Exploring the Effect of Malay Text Preprocessing Strategies on Social Media Data for Cyberbullying Classification	Wan Ahmad Luqman bin Wan Ibrisam Fikry and Jasy Liew Suet Yan
4.	16:15 – 16:30	1571074808	Analyzing Depression-Related Tweets with VADER, SentiWordNet and TextBlob Analyzers	Norma Binti Mohamad Nor, Noorihan Abdul Rahman, Mohd Ridzwan Yaakub and Sharifah Aliman

## Track 5a: Business, Education, IOT, and the Environment

Venue: Main Room: <https://tinyurl.com/64dv7b7k>

Date: 13<sup>th</sup> December 2024 (Friday)

Session 3: 10:45 – 13.00

Session Chair: Dr. Danny Ngo Lung Yao, UNITAR International University, Malaysia

NO	TIME	ID	TITLE	AUTHORS
1.	10:45 – 11.00	1571061257	Loan Model Schemes for A Football Team Using Predictive Model, Study Case: 2023-24 English Premier League	Enrico Antonius, Sapto Indratno, Dian Anggraini, Naqisya Arifani and Kahfi Rizky Kosasih
2.	11.00 – 11:15	1571071754	The Influence of Household Socioeconomic Characteristics on Clean and Healthy Living Behaviors in Probolinggo Regency	Destri Susilaningrum, Moch Abdillah Nafis, Brodjol Ulama and Dwi Endah Kusri
3.	11:15 – 11:30	1571080232	Real-Time Driver Safety System Based on Detecting Drowsiness and Diagnosing Fatigue	Muhammad Syafi Bin Muhammad Azmin, Sheik Mohammed Sulthan and Adel Al-Jumaily
4.	11:30 – 11:45	1571074593	Continual Learning for Appliance-Level Anomaly Detection	Aya Nabil Sayed, Faycal Bensaali and Armstrong Nhlabatsi



## Track 5b: Business, Education, IOT, and the Environment

Venue: Main Room: <https://tinyurl.com/64dv7b7k>

Date: 13<sup>th</sup> December 2024 (Friday)

Session 4: 15:30 – 17.00

Session Chair: Mr Mehdi Samieiyeganeh, UNITAR International University, Malaysia

NO	TIME	ID	TITLE	AUTHORS
1.	15:30 – 15:45	1571079600	An Improved Machine Learning Approach for Predicting Solar Energy Adoption in Developing Countries	Williams Ossai and Temitayo Matthew Fagbola
2.	15:45 – 16:00	1571080449	Leveraging AI Planning Models for the Water Management of the Red River Basin in Vietnam	Diego Aineto, Matteo Battisti, Hai Yen Nguyen, Ngo Le An, Roberto Ranzi, Enrico Scala and Ivan Serina
3.	16:00 – 16:15	1571080060	Investigating the Usefulness of Head-Mounted VR Devices in the Learning Performance of Children Using VR-Supported Animation	Rolando Lontok Jr.
4.	16:15 – 16:30	1571074738	Navigating the Future of e-Recruitment: A 20-Year Outlook on Social Media Integration and Emerging Technologies	Rachmat Destriana and Ika Windiarti

## Track 6: Time Series & Forecasting Models

Venue: Room 2: <https://tinyurl.com/4y4hwhse>

Date: 13<sup>th</sup> December 2024 (Friday)

Session 3: 10:45 – 13.00

Session Chair: Dr. Hasanul Fahmi Zuhri, UNITAR International University, Malaysia

NO	TIME	ID	TITLE	AUTHORS
1.	10:45 – 11.00	1571074513	Spatio-Temporal Air Quality Forecasting in Jakarta Using Hybrid CNN-LSTM	Ina Tantri Nareswari and Achmad Choiruddin
2.	11.00 – 11:15	1571074883	Stock Price Forecasting Model for the Five Leading LQ45 Companies in Indonesia Using a Long Short-Term Memory Approach	Lili Ayu Wulandari, Natasha Hartanti Winata, Nathania Christy Nugraha, Aditya Kurniawan, Syarifah Diana Permai, Rindang Widuri and Zirawani Baharum
3.	11:15 – 11:30	1571074711	Energy Consumption Prediction Using Functional Regression	Novri Suhermi, Rahida Rihhadatul Aisy and Rana Athaya Imtiyaz

4.	11.30 – 11.45	1571074549	Forecasting the Occurrence of Drop Pressure and over Pressure of Natural Gas Pipeline Distribution Network Using Machine Learning	Reza Yudistira and Achmad Choiruddin
5.	11.45 – 12:00	1571074791	Machine Learning Methods for Accurate Demand Forecasting in the Cement Industry	Mike Prastuti, Nyoman Pujawan, Erwin Widodo and Heri Kuswanto
6.	12:00– 12:15	1571072238	Model-Based Clusterwise Neural Network in Time Series Clustering of Stock Price	Agnes Ona Bliti Puka, Kartika Fithriasari and Dedy Dwi Prastyo

## Track 7: Computer Vision & Image Processing

Venue: Main Room: <https://tinyurl.com/64dv7b7k>

Date: 13<sup>th</sup> December 2024 (Friday)

Session 4: 15:30 – 17:00

Session Chair: Mr Mehdi Samieyeganeh, UNITAR International University, Malaysia

NO	TIME	ID	TITLE	AUTHORS
1.	16:30– 16.45	1571077333	Enhancing Underwater Image with Grey Scale Reference	Kenny Charlman Piel, Abdullah Bade, Danny Ngo Lung Yao and Iznora Aini Zolkifly
2.	16.45– 17.00	1571076691	Traffic Sign Classification Using German Traffic Sign Dataset Leveraging Vision Transformer (ViT) Model	Ayesha Aslam, Sajib Tripura, Muhammad Rabiul Abdullahi, Vineet Dhanawat and Adil Hussain
3.	17.00 – 17.15	1571073521	Fine-Grained Roof Type Classification & Multimodal Multitasking Building Detection & Height Estimation Using High-Resolution Satellite Imagery	Neha Sharma, Sultanova Nailya, Jamila Mustafina and Noor Lees Ismail