

Antalya, TÜRKİYE



2025

# ACDSA

International Conference  
on Artificial Intelligence,  
Computer, Data Sciences  
and Applications

**Online  
Part**

**08 - 09  
August**

**DATE :**  
07-09 August 2025

**CONFERENCE  
PROGRAM**



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# MESSAGE FROM THE ACDSA'25 CONFERENCE CHAIRS

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Dear Esteemed Delegates, Representatives, and Participants,

It is with great pleasure and honor that we welcome you to the International Conference on Artificial Intelligence, Computer, Data Sciences and Applications (ACDSA'25), to be held on August 7–9, 2025 in the beautiful city of Antalya, Türkiye. This conference provides a unique opportunity to bring together researchers, practitioners, academics, and students from around the world to share their latest findings, exchange ideas, and foster collaborations in the rapidly evolving fields of Artificial Intelligence (AI), Computer Science, Data Science, and their multifaceted applications.

As conference chairs, we have strived to design an inclusive and vibrant program that reflects the dynamism and diversity of these interconnected disciplines. From foundational theories to state-of-the-art technologies, ACDSA'25 aims to serve as a platform for presenting high-quality, peer-reviewed research that advances the frontiers of knowledge and supports impactful, real-world solutions. The topics of interest span a wide range, including (but not limited to) machine learning, deep learning, big data analytics, computer vision, natural language processing, intelligent systems, data mining, IoT applications, and emerging trends in computing and AI ethics.

We are particularly proud to host ACDSA'25 in Antalya, a city known for its rich history, breathtaking Mediterranean coastline, and exceptional hospitality. Beyond the academic sessions, we hope that attendees will take the opportunity to enjoy the cultural and natural treasures of this remarkable region, making the conference experience both professionally rewarding and personally memorable.

This event would not be possible without the invaluable contributions of our organizing committee, scientific reviewers, keynote speakers, session chairs, and all the authors who submitted their research for consideration. We extend our deepest gratitude for your commitment to excellence and your efforts in helping shape the success of ACDSA'25.

We sincerely look forward to your active participation, fruitful discussions, and the new collaborations that will undoubtedly emerge from this international gathering. Let us come together to explore new ideas, challenge assumptions, and inspire innovation in AI, computer and data sciences.

Welcome to ACDSA'25, and welcome to Antalya!

Warm regards,  
Conference Chairs

# CONFERENCE PROGRAM

08 AUGUST 2025

August 8th, 2025				
Time	HALL-A	HALL-B	HALL-C	HALL-D
08:30-11:00	Session A-I: Artificial Intelligence - I	Session B-I: Deep Learning - I	Session C-I: Mach. Lear. & Deep Lear.	Session D-I: AI & IoT
11:00-11:15	COFFEE BREAK			
11:15-13:15	Session A-II: Artificial Intelligence - II	Session B-II: Deep Learning - II	Session C-II: Math. Modelling	Session D-II: Energy & El. Vehicles
13:15-13:45	LUNCH			
13:45-15:45	Session A-III: Artificial Intelligence - III	Session B-III: Computer Vision	Session C-III: IoT & Neural Net.	Session D-III: Human and Comp. Interaction
15:45-16:00	COFFEE BREAK			
16:00-18:00	Session A-IV: Artificial Intelligence - IV	Session B-IV: Blockchain & Cybersec.	Session C-IV: Big Data & Comp. Vision	Session D-IV: Control & Embedded Sys.

# CONFERENCE PROGRAM

09 AUGUST 2025

August 9th, 2025				
Time	HALL-A	HALL-B	HALL-C	HALL-D
08:30-11:00	Session A-V: Artificial Intelligence - V	Session B-V: Machine Learning - I	Session C-V: Mixed - I	Session D-V: AI & Machine Lear.
11:00-11:15	COFFEE BREAK			
11:15-13:15	Session A-VI: Artificial Intelligence - VI	Session B-VI: Machine Learning - II	Session C-VI: Big Data & Data Science - I	Session D-VI: Cybersecurity & Big Data
13:15-13:45	LUNCH			
13:45-15:45	Session A-VII Automation & Control	Session B-VII: Machine Learning - III	Session C-VII Big Data & Data Science - II	Session D-VII: Mixed - II
15:45-16:00	COFFEE BREAK			
16:00-17:15	Session A-VIII: Artificial Intelligence & IoT	Session B-VIII: Mixed - III	Session C-VIII: Mixed - IV	Session D-VIII: Mixed - V

# Opening Speech



General Chair

**Prof. Dr. Mehmet AKTAN**

Vice Rector of Antalya Bilim University, TÜRKİYE

08 August 2025

08:20 - 08:30



**08**  
**AUGUST**  
**2025**



# **HALL - A**

**Session A-I: Artificial Intelligence - I**  
**08:30-11:00**

**Coffee Break 11:00-11:15**

**Session A-II: Artificial Intelligence - II**  
**11:15-13:15**

**Lunch**  
**13:15-13:45**

**Session A-III: Artificial Intelligence - III**  
**13:45-15:45**

**Coffee Break 15:45-16:00**

**Session A-IV: Artificial Intelligence - IV**  
**16:00-18:00**

P. ID	TITLE	AUTHORS
178	Design Of Battery State-Of-Health Estimator Based On Least-Squares Support Vector Machine	<b>Luca Cavanini</b> , Pawel Majecki, Mike J. Grimble, Gerrit M. Van Der Molen, Andrea Monteriù
180	Building Privacy-Preserving AI system: AI Inference on Encrypted Data with Fully Homomorphic Encryption	<b>Riccardo Magni</b> , Carlo Tassi, Emanuele D'Agostini
184	Cross-Language Semantic Search Using OpenAI Embedding	Yoshihiro Adachi, Akito Sakai, <b>Minoru Uehara</b>
191	MediAI: Intelligent AI System for Medicine Identification, Symptom Analysis Chatbot, and QR Code Tracking for Central Province, Sri Lanka	<b>Chamudika Pallewela</b> , Anutthara Senanayake, Valuka Wijayagunawardene
200	Improved Domain Name System Threat Detection using an RPZ and DGA-based approach incorporating Machine Learning	<b>R. Guy Edouard Bouda</b> , Abdoulaye Sere, Frederic Ouedraogo
219	Fine-tuning Turkish LLM With Human-Annotated Paraphrase Corpus	<b>Görkem Teker</b> , Özgün Koşaner
228	Evaluating Knowledge Loss During Continued Pretraining	Rupesh Prasad, <b>Piyush Pratap Singh</b> , Vishal Rajaput, Konduru Venkat Sai, Keertana S, Atul Singh
248	Investigating Effects of the Window Size on Stress Detection Through Machine Learning	<b>Gonca Uslu Özküçük</b> , Mustafa Burunkaya
258	AI Video Retrieval: A Semantic Search & Timestamp Alignment System	<b>Hridoy Rahman</b> , Naser Ezzati-Jivan, Blessing Ogbuokiri
260	Applicability of Approximate Inverse Model Explanations (AIME) to Medical Imaging and Acceleration Using GPU	<b>Kosuke Yano</b> , Takafumi Nakanishi, Soichiro Ikuno
274	When Healing Becomes a Game: Usage of AI and Gamification in Healthcare and their Ethical and Legal Challenges	<b>Megha Sahni</b>
161	Implementing Digital Technologies in Public Finance for Enhanced Policy Management: Opportunities and Challenges in AI Integration	<b>Zhili Ren</b>
1306	A New Model of Immersive Oral Teaching in EFL with Integrated AI Chabot Technology	<b>Haiyan Yan</b> , Feng Liu
1316	Quantified Cross-Cultural Adaptability Model for Intelligent Grouping in Chinese Classroom	<b>Shuai Yu</b> , Di Zhang, Fei Liu
1357	Intelligent Recommendation of Adaptive Learning Platforms Based on Knowledge Graph in English Vocabulary Teaching	<b>Le Feng</b>

P. ID	TITLE	AUTHORS
305	Mitigating Hallucination — ZeroG: An Advanced Knowledge Management Engine	<b>Anantha Sharma</b> , Sheeba Elizabeth John, Fatemeh Rezapoor Nikroo, Krupali Bhatt, Mrunal Zambre, Aditi Wikhe
313	Artificial Intelligence in Forensic Science: Applications, Legal Framework and Criminal Liability Regime	<b>Esra Nur Bal</b> , Aylin Yalcin Saribey
315	Evaluating Large Language Models for Criminal Profiling: A Framework-Based Approach	<b>Mustafa Akcanca</b> , Aylin Yalcin Saribey
628	Memory-efficient Model Growth for Finetuning Automatic Speech Recognition Models	<b>Geoffroy Vanderreydt</b> , Jenthe Thienpondt, Kris Demuynck
347	LSTM-Based Prediction of Apple Fruit Growth Using Past Diameter and Climatic Condition Data	<b>Elena Najdenovska</b> , Cédric Campos Carvalho, Theresa Dunkel, Robert Whittaker, Philippe Monney, Fabien Dutoit, Laura Elena Raileanu
404	Performance Analysis of Vision-Language Pre-Training Models on Unbiased VQA Tasks	<b>Aya Nuseir</b>
409	Hough-RANSAC-YOLO: A Hybrid Approach for Robust Traffic Light Detection in Real-World Conditions	<b>Dekpeltakié Augustin Metouale Somda</b> , Abdoulaye Sere, José Arthur Ouedraogo, Souleymane Kone
410	ETHAI implementation. A Co-Constructive way for Embedding Ethics in Healthcare AI Development	<b>Lorena Volpini</b> , Valerio Prosseda, Francesca Morpurgo, Aristeidis Tsitiridis
552	An AI-based Skin Cancer Detection Using Raspberry Pi	<b>Charles G. Juarizo</b> , Jhaniella B. Quinlog, Ophelia Eunice J. Romero, Migi Kirsten B. Viray, Lhorrd Lester P. Quiroz, Eufemia A. Garcia
582	Enhancing Trust Through Standards: A Comparative Risk-Impact Framework for Aligning ISO AI Standards with Global Ethical and Regulatory Contexts	<b>Sridharan Sankaran</b>

P. ID	TITLE	AUTHORS
588	Multilingual Text Clustering and Labeling Using OpenAI Embedding	Yoshihiro Adachi, <b>Minoru Uehara</b>
623	The Problem Of Convergence Of Artificial Intelligence And Telecommunication Networks From The Point Of View Of Applied Philosophy	Oleg Gabrielyan, <b>Ibragim Suleimenov</b> , Yelizaveta Vitulyova, Vladimir Yevstifeyev
477	Endoscopic Image Classification: Advancing AI-Based Gastrointestinal Diagnostics	Jing-Tong Pan, Didem Rodoplu Solovchuk, <b>Maxim Solovchuk</b>
640	Using artificial intelligence technologies to optimize the scientific activities of university teachers	Svitlana Skvortsova, <b>Tetiana Symonenko</b> , <b>Kira Hnezdilova</b> , Tetyana Savchyn
647	Qukkos: Measurement-Based Quantum Compilation System	Son Dang, Youngje Son, <b>Brandon Kim</b>
667	Classification of In Situ Collected Mid-Infrared Spectroscopic Markers for Determining Strawberry Maturity	Abbas Rammal, Nour Harajli, Marwa Zeinedine, Adam Abdul Karim, <b>Mageda A. A. Sharafeddin</b>
704	Enhancing MILAGE LEARN+ with Machine Learning to improve students' performance	<b>Mauro Figueiredo</b> , José Rodrigues, Paula Ventura, Marielba Zacarias, Daniela Milharó
719	XAG-Net: A Cross-Slice Attention and Skip Gating Network for 2.5D Femur MRI Segmentation	<b>Byunghyun Ko</b> , Anning Tian, Jeongkyu Lee
742	A Comparative Study of Feature Selection and Resampling Techniques for Customer Churn Prediction with Explainable AI in the Telecommunications Sector	<b>Ismail Duru</b> , Nurefs, An Ak, Reyhan Dede
759	Advanced Health Misinformation Detection Through Hybrid CNN-LSTM Models Informed by the Elaboration Likelihood Model (ELM)	<b>Mkululi Sikosana</b> , Sean Maudsley-Barton, Oluwaseun Ajao

P. ID	TITLE	AUTHORS
787	A Proof-of-Concept Study Using Generative AI for Structured PGHD Extraction in Remote Patient Monitoring and Mobile Health	<b>Benjamin Hogan</b> , Brian Bourke, Pezhman Ghadimi
797	A New Era of Didactics: Virtual Reality in the Educational Process in the Light of Original Research at the School of Banking and Management in Cracow	Magdalena Kowalska-Musiał, Tomasz Wojdyński, <b>Jolanta Podwysocka</b>
817	Towards Human-Like Behavior Generation by Applying Markov Chain Monte Carlo in realization of Agential Realism	<b>Yuan Zhou</b> , Linus De Petris, Siamak Khatibi
819	The Prompt culture in Generative AI for Active Learning	<b>Rachel John Robinson</b>
845	Red-Teaming for Health Care Fraud Detection: A RAG-Based AI Approach	Tahir Ekin, <b>Krishna Sai Mandadapu</b>
849	Transformers as CFG Learners: A Formal Framework for Structured Data	<b>Blessing Ogbuokiri</b>
868	AI-Driven Innovation in Film Set Design: Toward Automated and Immersive Virtual Production	<b>Riham Hilal</b>
889	Scholarly Publication Transformation by Artificial Intelligence	<b>Mazdak Zamani</b> , Ali Motamedi, Achyut Shankar, Touraj Khodadadi, Azizah Abdul Manaf, Sasan Karamizadeh, Mojtaba Alizadeh, Saman Shojae Chaeikar
912	Artificial Intelligence for Promoting Equity, Diversity, and Inclusion	<b>Mazdak Zamani</b> , Ali Motamedi, Sasan Karamizadeh, Touraj Khodadadi, Mojtaba Alizadeh, Saman Shojae Chaeikar
923	Customer Complaint Classification with Large Language Models	<b>Merve Güllü</b> , Ercan Atagün, Serdar Biroğul, Necaattin Barışçı
979	Convolutional Neural Networks with DeepInsight for Image-Based Intrusion Detection	<b>Amira Azeer</b>



# HALL - B

**Session B-I: Deep Learning - I**  
**08:30-11:00**

**Coffee Break 11:00-11:15**

**Session B-II: Deep Learning - II**  
**11:15-13:15**

**Lunch**  
**13:15-13:45**

**Session B-III: Computer Vision**  
**13:45-15:45**

**Coffee Break 15:45-16:00**

**Session B-IV: Blockchain & Cybersec.**  
**16:00-18:00**

P. ID	TITLE	AUTHORS
134	Deep Learning-Based Anomaly Detection and Multi-Label Classification for the Analysis of Chest Radiographs	<b>Hediye Orhan</b> , Rayan Abri
589	User-Centric Toxicity Detection with Multi-Modal Spiking Neural Networks and Policy Optimization	<b>Ismail El Sayad</b> , Mohammed Al Nakshabandi
186	Change detection in snow water equivalent using a Siamese UNet model	<b>Karim Malik</b> , Colin Robertson
265	Earthquake Prediction Using Time Series with Deep Learning Models	Metin Özcan, <b>Gökalp Çınarer</b>
319	Fall Detection Using LBFD-Net: A Novel CNN-Based Architecture	<b>Mahammad Nabizade</b> , Nassima Nacer, Isabelle Lajoie, Réda Yahiaoui, Frédéric Auber, Moustafa Fayad
328	A Study on improved vision transformer using Self-KD	<b>Si-Eun Park</b> , Ju-Yeon Oh, Min-Sung Choi, Seong-Geon Bae
334	Comparative Analysis of Deep Learning and Statistical Models for Sectoral Index Forecasting Using Financial Sentiment Scores	<b>Shubh Mandalia</b> , Shivansh Gupta, Ayushi Gupta, Takshil Aggarwal, Pranav Sharma
365	Deep Learning for Chipless RFID Tags Notch Detection based on 1D-CNN and Deterministic EM Simulation Scenarios	<b>Kimberley Gehron</b> , Yasmine El Sayed, Sebastian Dier, Pascal Suchy, Mohamed El Hadidy
379	A comparative evaluation of Deep Learning models for tumor segmentation: identifying the optimal framework for clinical integration	<b>Tanya Fernández-Fernández</b> , Lucía Cubero, Ana Álvarez-González, Mercedes Muñoz-Fernández, Lydia Mediavilla-Santos, Rubén Pérez-Mañanes, Javier Pascau, José Antonio Calvo-Haro
468	Guided Exploration in Sparse Reward Environments using Causal Prior Knowledge	<b>Erik Enriquez</b> , Christian I. Narcia-Macias, Daniel Masamba, Dongchul Kim
225	Research and implementation of high-precision medical image segmentation technology based on deep residual u-net++ and adaptive dynamic planning matching algorithm	<b>Hao Li</b>
367	Personalized Mental Health Interventions Using Generative AI and Multimodal Data	<b>Qianyu Yang</b> , Zewen Xie, Gengfeng Niu
1346	Machine Learning Approaches to Technological Innovation and Corporate Financialization	<b>Zeyi Li</b> , Wenbo Liu, Sihan Chen, Jintao Xu
1341	Research on Intelligent Algorithm Optimization and Energy Demand for Green Energy Building Intelligent Power System	<b>Xing Hang</b> , Haotian Lyu, Xinyuan Dong

P. ID	TITLE	AUTHORS
283	Integrating Key-point Information for Sign Language Translation	<b>Bo Pan</b> , Xinfeng Ye, Sathiamoorthy Manoharan
680	A Two-Stage Framework with Ordinal Constraints for Age Estimation from Retinal Fundus Images	<b>Jiayi Song</b> , Yunjia Qi, Yichen Cui, Xiaoxiao Wang, Lingshan Zhang, Sichen Liu
684	Pattern-Based Felidae Subspecies Classification Through Transfer and Ensemble Learning Methods	<b>Azza Youssouf Ali</b> , Abakar Issakha Souleymane, Daouda Ahmat
1233	Forecasting Lake Chad's Water Levels: Harnessing Transformer Model for Accurate Predictions	<b>Idriss Oumar Adam</b> , Daouda Ahmat Mahamat
775	Leukemia Classification through Deep Learning Techniques and Generative AI	<b>Ibrahim Malik</b> , Lathifa Jaffer Diang'A, Paul Stynes, Pramod Pathak, Anu Sahni
929	Robust X-ray Image Classification using Vision Transformers: A Comparative Study with Convolutional Neural Networks	Dahdouh Mohcen, Harrat Nadim, <b>Zakaria Neili</b> , Islem Mansri, Kenneth Sundaraj
1049	Research Assistant App with Multimodal Large Language Model	<b>Johnathan Leung</b> , Guansen Tong
1080	Classification of Autism Spectrum Disorder Subtypes based on Graph Attention Network	<b>Shan Wang</b> , Laura Alejandra Martinez-Tejada, Natsue Yoshimura
1112	A survey of video sequence analysis in CCTV systems based on deep learning in the context of public safety	<b>Moussa Gueye</b> , Abdou Khadre Diop, Amadou Dahirou Gueye
1211	A Hybrid Deep Learning Approach for Improving Medical Image Captioning Using Convolutional Vision Transformer	<b>Wisam Ramadan</b> , Bahriye Akay



P. ID	TITLE	AUTHORS
154	Improving the architecture of the expert system for route optimisation and searching for data in GIS databases	<b>Bene-Wende Odilon Isäle Zoungrana</b> , Moubaric Kabore, Abdoulaye Sere
269	A Novel Approach to Correction of Features from Image Matching in Unmanned Aerial Vehicle Navigation Through Clustering and Triangular Similarity	<b>Ali Güven</b> , İmam Şamil Yetik
304	A Study on the Implementation of High Definition GAN Using Multi-Magnification Upscaling	<b>Hyun-Suk Lee</b> , Jae-Yong Seong, Tea Ho Kim, Seong-Geon Bae
1220	An AI-Enhanced IoT System for Soilless Agriculture: Environmental Monitoring and Market-Driven Decision Support Integration	Halime Ergun, <b>Nezire Tosun</b> , Halil Ibrahim Keskin, Omer Faruk Tas
322	A Study on Improving Vision Transformer Classification via CNN-Based Object Extraction Preprocessing	<b>Bo Min Kim</b> , Ju Yeon Oh, Si Eun Park, Seong Geon Bae
324	Classification of Age Group, Gender, and Race from Facial Images Using Multi-Task Based Deep CNNs with Transfer Learning	<b>Dileepa Joseph Jayamanne</b>
1216	Visual Attitude Determination Strategy for a Nanosatellite Attitude Control Simulator	<b>Ansh Bhargava</b> , Alex Mccafferty-Leroux, S. Andrew Gadsden
325	A Study on Performance Improvement of Vision Transformer through the Combination of Spatial-Cross Channel Attention	<b>Min-Sung Choi</b> , Hae-Won Lee, So-Yoon Kim, Seong-Geon Bae
341	EdgeYOLO+Depth: Extending object detection for real-time depth estimation on smartphones	<b>Christoph Ilse</b> , Fabian Ketzler, Niko Pfeifer, Kay Massow, Friedrich Maiwald, Ilja Radusch
342	Traffic Sign Recognition Using Lightweight Subnetworks of Deep CNNs with Transfer Learning	<b>Rana Masud</b> , Dileepa Joseph Jayamanne

P. ID	TITLE	AUTHORS
282	Blockchain Based Federated Learning for Medical Imaging Using Computer Vision: A State-of-the-Art Review and Future Research Directions	Md Ikramul Haque Nirjon, Mukter Khan, Md Solaiman Ahmed, <b>Ratul Bhattacharjee</b>
166	Privacy-Preserving Anomaly Detection in Wind Turbines using Federated Learning	<b>Haya Elhabashy</b> , Mostafa Shokry, And Marwa Zamzam
253	A Metric-Driven IT Risk Scoring Framework: Incorporating Contextual and Organizational Factors	<b>Nezih Mahmut Unal</b> , Baris Celiktas
472	ALink: Real-Time and Scalable Graph Architecture for Linking Alerts in Threat Detection	<b>Kenneth Osborne</b> , Ryan Foltz, Derek Lin
292	Examination of a Hot Wallet on an iOS Device from a Digital Forensics Perspective	Aylin Yalçın Sarıbey, <b>Levent Çevik</b>
897	Lightweight Federated Supervised Machine Learning for IoT Botnet Detection	<b>Taha M. Mahmoud</b> , Naima Kaabouch
266	A Blockchain Based Platform To Secure And Track Natural Resource Transactions In The Central African Republic	<b>Yonso Alain Bertrand</b> , Abeye Michel Patrice Davy, Ndassimba Edgard, Ouya Samuel
998	Quantum-Secure Voting System: Leveraging QKD, Dual-Key Symmetric Encryption, and Receipt Verification for Practical Privacy and Integrity	<b>Taha M. Mahmoud</b> , Naima Kaabouch
1228	The Hidden Threat: Analyzing Trust Manipulation Attacks in Trust Management Systems for Vehicular Networks	<b>Mohcine Baalla</b> , Driss Bouzidi

# HALL – C

**Session C-I: Mach. Lear. & Deep Lear.**  
**08:30-11:00**

**Coffee Break 11:00-11:15**

**Session C-II: Math. Modelling**  
**11:15-13:15**

**Lunch**  
**13:15-13:45**

**Session C-III: IoT & Neural Net.**  
**13:45-15:45**

**Coffee Break 15:45-16:00**

**Session C-IV: Big Data & Comp. Vision**  
**16:00-18:00**

P. ID	TITLE	AUTHORS
227	Using Machine Learning to Predict Hypertension from Lifestyle Factors: A Study Using NHANES Data	Cameron Potvin, Daniel Currey, Lark Inostroza, <b>Kanika Sood</b>
1001	Propeller Damage and Screw Loosening Detection in UAV Systems Based on Acoustic Signals: An Empirical Mode Decomposition Approach	<b>Temel Sönmezocak</b> , Merih Yıldız
238	Molecular dynamics simulations of proteins: A multi-phase pipeline for protein modeling	<b>Cristofer Motoche-Monar</b> , Francisco Hidrobo, Rolando Armas, Jose A. Castillo
330	A Study on Performance Improvement of DenseNet-Based VAE model Using Self-Attention and Additive Fusion	<b>So-Yoon Kim</b> , Hae-Won Lee, Bo-Min Kim, Seong-Geon Bae
333	A Study on Edge Enhancement Using Transposed Convolution	<b>Tea-Ho Kim</b> , Jae-Yong Seong, Hyun-Suk Lee, Seong-Geon Bae
1022	Study on Deriving the Optimal Method for Obtaining Optical Flow by Region	<b>Keun Ho Kim</b>
1204	A Vision for All: A Dataset and CNN Framework for Navigating Educational Spaces for the Visually Impaired	Fatna Belqasmi, Samia Loucif, <b>Manar Alkhatib</b>
655	Polycystic Ovary Syndrome Detection Utilizing SRGAN-Generated Synthetic Images and Advanced CNN Models	<b>Ridima Chetan Tambde</b> , Cristina Hava Muntean, Abid Yaqoob
1319	Knowledge Graph Reasoning and Completion Strategies under Few-Shot Learning	<b>Qiaonan Lin</b>
1343	Deep Learning-Driven Curriculum Optimization: Enhancing the English-Vocational Competency Matrix for Vocational Education under Digital Transformation	<b>Jiankun Zhang</b>

P. ID	TITLE	AUTHORS
187	Molecular Dynamics Modelling of the Tritium Plasma Retention in Graphene with Atomic Simulation Environment	<b>Alper Pahsa</b>
352	3D digital Bone Bank: development and validation of an automated allograft selection system using 3D imaging in orthopaedic oncology	<b>Elena Aguilera-Jiménez</b> , Jose Antonio Calvo-Haro, Estela Gómez-Larren, Tanya Fernández-Fernández, Gema Quiñonero-López, Rubén Pérez-Mañanes
1008	Adaptive Mesh Compression Algorithm for Near Real-Time Rendering of Large-Scale Static Scenes	<b>Zack Kiusya</b> , Kinyua Gikunda, George Musumba
383	Numerical simulations of non-fluorescent states of carboxyfluoresceins in presence of heavy iodine ions	<b>Selim Can Dirican</b> , Süleyman Yiğit Dölek, Bahar Tezcan, Eren Kaan Demirlek, Yavuz Alparslan Yılmaz, Baris, Demirbay
1111	Biophysics-informed Neural Networks of Conjunctiva Imaging for Noninvasive Anemia Assessments	<b>Tara R. Kim</b> , Semin Kwon, Sang Mok Park
1183	Modeling Transportation Planning and Packing Problem for Delivery Service Provider	Galina Timofeeva, <b>Dmitry Zavalishchin</b>
139	Fast and accurate implementation of the Dirichlet multinomial log-likelihood function	<b>Sherenaz Al-Haj Baddar</b> , Alessandro Languasco, Mauro Migliardi
150	Linear Regression Model for Sustainable Concrete Compressive Strength: A Partial Replacement of Agricultural Byproduct Ash to Portland Cement	<b>Meister Kaylle A. Bagsic</b> , <b>Nikolai A. Dy</b> , <b>Jham E. Jimenez</b> , Christ John L. Marcos, Dante L. Silva

P. ID	TITLE	AUTHORS
149	Prediction of Flexural Strength of Mini-Scale Reinforced Concrete Beam Using Feed Forward Neural Network	<b>John Alfred A. Lim, Darwin Dale R. Sy, Julius Symon S. Ricohermoso</b> , Christ John L. Marcos
405	GANterpolate: Improving Climate Modeling through Synthetic Data Generation	<b>Vaibhavi Tiwari</b> , Jiayin Wang
679	Physics-Informed Neural Networks for Enhanced Interface Preservation in Lattice Boltzmann Multiphase Simulations	<b>Yue Li, Lihong Zhang</b>
833	Streamlining Research Complexities for AI Agents: Charting Pathways to Innovative Idea Generation	<b>Jinghui Guo</b> , Khandakar Ashrafi Akbar, Latifur Khan, Bhavani Thuraisingham, Saquib Irtiza
932	Prediction of Building Permit Approval using CNN	<b>Rohith Goura</b> , Jyothi Swaroop Arlagadda N, Rambabu Penugonda
961	LBM-GNN: Graph Neural Network Enhanced Lattice Boltzmann Method	<b>Yue Li</b>
1019	AMON-Net: Integrating Graph Attention and Modularity Refinement for Community Detection in Complex Networks	<b>Dao-Zheng Qu</b> , Yan-Fei Ma
211	Exploring The Relationship Between Sleep Quality And Micro-climate With The Internet Of Things	<b>Nguyen P. H. Binh, Vu D. G. Phong, Kenneth Y. T. Lim</b>
414	A Efficient Architecture for Real Time Data Processing and Visualization for IoT Devices	<b>Augusto Gomes Soares</b> , Patricia Da Silva Oliveira

P. ID	TITLE	AUTHORS
1169	Application of Data Exploration Methods for Evaluating Relationships between Elements in Incineration Bottom Ash	<b>Monika Chuchro</b> , Barbara Bielowicz
1199	Dynamic Confidence-Aware Fusion for Multi-Modal Anomaly Detection in Autonomous Systems	<b>Purva Nilesh Prabhu Velguenkar</b> , Satish S. Kumbhar
1057	Analysis of Gender Parity Index (GPI) Literacy Ratios for 15–24 Year Olds: A Statistical and Comparative Study of 2000 and 2001	<b>Jyoshika Prabhakaran</b>
348	AI-Driven Real-Time Defect Detection for Paper Production: A Scalable Smart Manufacturing Approach	<b>Burak Batibay</b> , Onur Can
714	Automatic segmentation of regions of interest in thermal images in the facial and hand area	<b>Carlos Eugenio Garduno-Ramon</b> , Irving A. Cruz-Albarran, Marco Antonio Garduño-Ramón, Luis A. Morales-Hernandez
761	Real-time and image-based bridge inspection using augmented reality and artificial intelligence	<b>Regina Panzer</b> , <b>Bernhard Braun</b> , Lisa Freifrau Von Rössing, Patrick Herbers, Jan-Derrick Braun, Jessica Steinjan, Markus König, Ralph Holst
1146	Beyond Text-to-Image: Leveraging Natural Image Overlays for Robust Phishing Detection	<b>Abhishek Aman Swamy</b> , Dinesh Kumar
1201	Brain Tumor Detection Using YOLOv11 on Edge Computing for Decision Support	<b>Eduardo Henrique Teixeira</b> , Mateus Raimundo Da Cruz, Tales Cleber Pimenta
744	Modern Quantum Computing: Languages, Simulators, Architectures and Future Directions	<b>Deniz Karhan</b> , Sedat Çimen, Merve G Üllü
526	Bio-Inspired Looming Object Detection Using Event-Based Cameras	Guillermo Sánchez Attolini, <b>Howard Cheng</b>

# HALL - D

**Session D-I: AI & IoT**

**08:30-11:00**

**Coffee Break 11:00-11:15**

**Session D-II: Energy & El. Vehicles**

**11:15-13:15**

**Lunch**

**13:15-13:45**

**Session D-III: Human and Comp. Interaction**

**13:45-15:45**

**Coffee Break 15:45-16:00**

**Session D-IV: Control & Embedded Sys.**

**16:00-18:00**



P. ID	TITLE	AUTHORS
1083	Optimizing Medical Response Time through Deep Learning Based Accident Detection	<b>Nicolas François</b> , Franck Staudt, Raphaël Olexa, Sean Jeffries, Georgiy Danylenko, Thomas Hemmerling
372	A Scalable Reinforcement Learning Framework for Wireless Sensor Networks: Spatiotemporal Cluster-Based Multi-Agent Reinforcement Learning	<b>Isaiah Chiraira</b> , Ling Cheng, Manal Karmoude, Ryan Mckenzie, Brenton Munhungewarwa, Raghav Chandna, Jude Kong, Bevan Smith, Bruce Mellado
1125	RAID: A Framework for Embedding Responsible and Inclusive AI in Agile Software Development	<b>Beni Suranto</b> , Chetan Arora, Ramesh Lal
708	An LLM-based software developer agent demonstrated through a port-logistic optimization case study	<b>Tibor Dulai</b> , Gábor Kiss
264	Spatio-Temporal Degree of Hoarding Clutter Using SAM and Canny Edge Detection Against LMM	<b>Shun Hattori</b> , Shun Hattori, Madoka Takahara
1143	Causal DNA Methylation Biomarkers Discovery Approach against Regression-based Latent Space of RNA to Protein Expression Translation Process	<b>Ala'A El-Nabawy</b> , Ossama Alshabrawy, Wai Lok Woo
216	On the performance analysis of Yolo algorithms to identify the vector of Greening in orange farms	Aline Dos Santos, <b>Samuel B. Mafrá</b> , Felipe A. P. De Figueiredo
440	Machine Learning Meets the Subconscious: Can AI Decode Dreams?	Erika Dickson, <b>Dulce Funez Chinchilla</b> , Drashti Mehta, Kanika Sood
771	CO2-Based Occupancy Estimation with Efficient Deep Learning: A Step Towards Edge-Deployable Soft Sensors	Kyriaki Fanaridou, <b>Thanasis Moustakas</b> , Iakovos Michailidis
1066	Securing IoMT Systems via Probabilistic Trust-Epistemic Logic	<b>Khalid Sultan</b> , Aaron Rasheed Rababaah, Omar Ibrahim Marey
1344	Research on the accuracy and style preservation of a multilingual artificial intelligence translation system based on deep learning in English literary translation	<b>Shinan Chen</b>
1358	Innovative application and effect evaluation of intelligent teaching system (ITS) in adaptive improvement of English translation ability	<b>Zurui Zhang</b>
1243	AI-Powered DR Screening in Africa: Bridging Deep Learning, DICOM Tools, and Healthcare Gaps	<b>Papa Ibrahima Sow</b> , Pr Idy Diop, Saidou Sow
1298	Sports and education integration tennis player selection and personalized training path planning based on artificial intelligence technology	<b>Shiyu Yang</b>

P. ID	TITLE	AUTHORS
169	Develop a Hybrid Optimization Technique (DNN -PSO) to Optimal Power Flow	Omar Sagban <b>Taghi Al-Butti</b> , Mustafa Burunkaya
529	Optimizing Thermal Efficiency: The Impact of Insulation and Lid Design on Heat Retention and Energy Conservation	<b>Ya-Chi Ho</b> , Tsai-Liang Wu, Ruei-Yu Lin, Hsien-Cheng Liao
707	Analysis of Overloading and Its Impact on the Lifetime of XLPE-Insulated Power Cables	Faruk Aras, <b>Melih İnal</b> , Eray Arpacı
1170	State Estimation Using the Unscented Kalman Filter in Nodal Redundancy for EPS	<b>Henry Moyano</b> , Patricio Diaz, Edgar Becerra
541	Methodology to determine control frequency parameters in power systems with high penetration of inverter-based resources	<b>Neby J. Castrillón</b> , Juan C. González, Cristhian Quiroz, Martin M. Sanchez
829	Aerodynamics and CFD analysis of an innovative Omni-flow wind turbine shroud for low-speed urban applications	<b>M.M. Siewe Ngouani</b> , Y.K. Chen, R. Day, O. David-West
1082	Increasing Energy Efficiency in Canada: Highspeed Rail in the Montreal Toronto Corridor	Karen Dakkak, Patrick Zoghbi, Mario Ghorayeb, Kale Rusaw, <b>Sean Jeffries</b> , Thomas Hemmerling
259	AI-Driven Fault Detection Using LoRaWAN in Solar-Powered Microgrids for Agricultural Irrigation Systems	Ilkin Balazade, Tural Aliyev, Aygul Musayeva, <b>Aydin Nasirzade</b>
146	Analysis of DC-DC Converters for Integrated Photovoltaic Solar-Powered Electric Bus Charging Systems	<b>Paula Wassão Forigo</b> , Orlando Soares

P. ID	TITLE	AUTHORS
82	Digital Transformation in Industry 5.0: A resilient cybersecurity solutions for Small Medium Enterprises (SMEs)	<b>Nisha Rawindaran</b> , Ambikesh Jayal, Edmond Prakash, Aytel Systems Ltd
279	Effects of Automatically as well as Manually Image-to-Texting on Diversity Experience	<b>Shun Hattori</b> , Madoka Takahara
361	Suggestion and Emotional Analysis of Conversations for Virtual Avatar using ChatGPT	<b>Kaoru Mitsuhashi</b>
533	Evaluating ChatGPT for Text-to-SQL: An Empirical Approach	<b>Dušan Petković</b>
747	Millisecond-Level Sound Order Classification via Amplitude-Filtered Random Forest for Human-Robot Interaction	<b>Rezaul Tutul</b> , Ilona Buchem, André Jakob, Niels Pinkwart
904	Influence of Self-Avatar Impressions on Agreeableness in Virtual Reality	Taichi Matsui, Wan Jou She, <b>Yu Shibuya</b>
1132	Eye-Controlled Mouse Cursor and Adaptive Graphical User Interface for Disabled Individuals	<b>Irfan Ahmed Rifat</b> , Sadia Islam Shuchi, Farzana Haque Panna, Jayem Hasan Sajib, Saira Binte Awal, Faria Tasnim, Md. Enamul Hoque
1140	Enhancing Human-Robot Interaction Using Generative Artificial Intelligence: The Case of The NAO Robot	<b>Elena Campilii</b> , David Perpetuini, Arcangelo Merla, Daniela Cardone
1237	Industry 5.0: Advancing a Research Agenda at the Intersection of Sustainability and Human-Centricity Enabled through Technology	<b>Rangarajan Parthasarathy</b> , Gokcen Arkali Olcay, Anuradha Rangarajan
1069	The Transformative Influence of LLMs on Software Development & Developer Productivity	<b>Sajed Jalil</b>
247	Analysis of Estimation Errors in Relation to Object Motion	<b>Tserennadmid Tumurbaatar</b> , Lkhagva Sukh-Ochir, Nyamikhagva Sengee

P. ID	TITLE	AUTHORS
981	Fault-Tolerant Adaptive Routing in NoCs: Machine Learning Approaches for Resilient On-Chip Networks	<b>Muhammad Adnan</b> , Muhammad Akmal Chaudhary, Muhammad Moazzam Ali, Ayaan Aatif, Muhammad Ibrahim Raza, Hafiz Arslan Ramzan
1055	"vcd2df" - Leveraging Data Science Insights for Hardware Security Research	<b>Calvin Deutschbein</b> , Jimmy Ostler, Hriday Raj
728	Tracking Control of a Two-Wheeled Mobile Robot Based on Endogenous Linearization of the Dynamic Model	<b>Alexander Krasavin</b> , Gaukhar Nazenova, Darya Alontseva, Adema Dairbekova
320	Digital Twin Enabled Performance Optimization of Machine Tools: A Survey	<b>Brett Sicard</b> , Yuandi Wu, Stephen Andrew Gadsden
1230	Cuckoo-based PID Tuning for PMSM-Quadrotor UAV System: from FOC to Motion Control	<b>Marco Rinaldi</b> , Morteza Moslehi
126	Adaptive Fuzzification Methodology for PLL Loop Bandwidth Control: A Framework for Enhanced Locking Precision	<b>Hanane Sefraoui</b> , Abdechafik Derkaoui, Abdelhak Ziyat
1159	Heuristic Algorithm for event prediction in Embedded Systems	Aleksei Goncharov, Sergei Bykovskii, Alexander Belozubov, <b>Andrey Shibaev</b>
153	Diagnosis of Bearing Failure in BLDC Motors with Machine Learning Method	<b>Mehmet Şen</b>
157	Reinforcement Learning-Based Intrusion Detection for Electric Vehicle Charging Stations	<b>Mohammad Alauthman</b> , Amjad Aldweesh, Ahmad Al-Qerem, Ali Al Maqousi



**09**  
**AUGUST**  
**2025**

# HALL - A

**Session A-V: Artificial Intelligence - V**  
**08:30-11:00**

**Coffee Break 11:00-11:15**

**Session A-VI: Artificial Intelligence - VI**  
**11:15-13:15**

**Lunch**  
**13:15-13:45**

**Session A-VII: Automation & Control**  
**13:45-15:45**

**Coffee Break 15:45-16:00**

**Session A-VIII: Artificial Intelligence & IoT**  
**16:00-17:15**

P. ID	TITLE	AUTHORS
926	MCE-RX-ST: A Hybrid Deep Learning Model for Visual Classification in Remote Sensing Using Minimum Cross Entropy, ResNeXt, and Swin Transformer	<b>Walaa Ali Hussein Jumiawi</b> , Ali El Zaart
949	Converging High-Performance Computing, Artificial Intelligence, and Intelligent Workflows for Next-Generation Innovation	Son Dang, Youngje Son, <b>Brandon Kim</b> , Kimoon Jeong, Junyoung Park, Hyeyoung Cho
1235	AI Driven Medical Diagnostics with Improved Robustness to Adversarial Perturbations	<b>Ahmeed Yinusa</b> , Misa Faezipour
1076	A Performance Evaluation of Machine Learning Algorithms for Fraud Detection in Accounting in SMEs	Milagros Peceros-Chambi, <b>Angie Solórzano-Robles</b> , José Santisteban
993	Faculty-Centric Adoption of AI-Enhanced E-Learning Platforms in Higher Education: A Customized Technology Acceptance Model (CTAM) Approach	<b>Shakeel Ahmed</b> , Reema Shaheen, Muhammad Shahid Dildar, Asim Mahmood
995	Meta Learning of the Effective Cost Per Mille	<b>Ergun Biçici</b>
1027	Enhancing LLMs with Indian Multi-Lingual Audio Understanding for Artificial General Intelligence (AGI) Advancement	<b>Aniruddha Birage</b> , Tanay Thatte, Aarush Balkundi, Chiranjeev Patil, Saswati Rabha, Chintan Parikh, Arati Deshpande
1038	Embedding-Enhanced Patient Clustering for Customized Medical Report Summarization using LLMs	<b>Kiarash Torabizadeh</b> , Rachid Hedjam, Mebarka Allaoui, Bessam Abdulrazak
1073	Hybrid Explainable Autoencoders for Credit Card Fraud Detection: Integrating Deep Latent Representations with Model-Agnostic Interpretability	<b>Ozlem Kilickaya</b>
1118	B-FedGNN: Blockchain-Coordinated, Privacy-Preserving Federated Graph Neural Networks for Social-Commerce Recommendations	<b>Vasanth Rajendran</b> , Suba Ranjani Jayabal, Sachin C. Patil, Dilip Mandadi
1270	Optimization Algorithms used in Sizing Renewable Hybrid Energy Systems: A Brief Review	Farag S. Alargt, <b>Mohamed M Albarghot</b> , Hashem I. Abusannuga, Ahmad H. Kharaz



P. ID	TITLE	AUTHORS
975	Subsampling Methods in Abstract Argumentation Frameworks	<b>Lars Malmqvist</b>
1252	Multimodal Gait Recognition and Temporal Parameter Estimation Using IMU & Visual Sensors	<b>Zaina Ajmal</b> , Dana Jasem Al Akashea, Amna Talal Alruwaihi, Syed Omer Gilani
1266	AIDIRS: A conceptual Framework for AI-Driven Incident Response in Higher Education	Ifeoluwa Wada, Abdullahi Abdulkareem, Osumanu Musah Mohammed, <b>Gideon Olawale Sodipo</b> , Aghoghomena Emadoye, Temitope Babayemi
1269	Advanced Comparative Analysis of the Hough Transform and RANSAC with Applications in Automated Growth Ring Detection in Otoliths and Integration with Deep Neural Network	<b>Souleymane Kone</b> , Abdoulaye Sere, Dekpeltakié Augustin Metouale Somda, José Arthur Ouedraogo
1034	Large Language Models for Telecom NLP: A Task-Oriented Survey	<b>Amine Gonca Toprak</b> , Öykü Berfin Mercan
1100	Application of deep learning in geophysics: localization of seismic wave sources by means of transfer learning	<b>Anna Franczyk</b> , Marta Skraba, Damian Gwiżdż
321	The Impact of Digital Technologies on Corporate Decision-Making : A Scoping Review	<b>Aya Nakri</b> , Yassine Regragui
712	An Approach to Facilitate Students' Work on a Graduate Thesis Based on Ontologies and Faceted Classification	<b>Alexey Dukhanov</b> , Alexandra Klimova, Tamara Chistyakova, Anna Arseneva
734	A preliminary implementation of a retrofitted AI demand forecasting system for Digital Twin-based production scheduling in the food sector	<b>Laura Lucantoni</b> , Stefano Croci, Giovanni Mazzuto, Severino Perenzoni, Filippo Emanuele Ciarapica, Maurizio Bevilacqua
800	Univo: An AI-Supported, Gamified Learning Platform for Enhancing Student Engagement and Performance	<b>Ravza Nur Şişik</b> , İlkin Ecem Emre, Selçuk Kıran
338	A Study on Resolution Enhancement of CNN through Edge Loss Compensation in High-Magnification Upscaling	<b>Jae-Yong Seong</b> , Hyun-Suk Lee, Tea-Ho Kim, Seong-Geon Bae



P. ID	TITLE	AUTHORS
215	Multi-Objective Graph-Based Reinforcement Learning for Voltage and Frequency Stability in GridConnected Renewable Energy Systems	<b>Mehrnaz Ahmadi</b> , Hamed Aly
307	Reinforcement Learning for Enhanced Control of Energy Storage and Vehicle-to-Grid Systems	<b>Mohammad Asghari</b> , Hamid Afshari, Mohamad Y. Jaber, Cory Searcy
624	Improve and Reduce Costs of Control Laws Analysis Using Compiled Files	<b>Francisco J. Triveno Vargas</b> , Li Yuan, Zibo Wei
733	Reinforcement learning for adaptive gain in sliding mode controller: applications in robot arms	<b>Shammi Rahman</b> , Saber Mahboubi Heydarabad
754	A Digital Twin application for a assembly/ disassembly flexible robotic cell assisted by ABB IRB 120 robotic manipulator generating the optimal trajectory for the smallest errors using RobotStudio	<b>Anghel Mihaela-Claudia</b>
1067	Development of a Software Platform with Blockchain Implementation for Settlements in Local Energy Systems (Microgrid)	<b>Volodymyr Khilenko</b> , Oleksii Stepanov, Vasili Khylenko Jr., Danylo Bashmakov
1106	Effort-Efficient Attitude Control of Satellites Using PD and Nonlinear MPC	<b>Batuhan Sahin</b> , Oguzhan Camlica, Mustafa Atakan Afsar, Ahmet Salih Yigit
1196	High-Performance Attitude Pointing Control for Multi-Target Acquisition in Agile LEO Scientific Satellites	<b>Isabel Sotirova</b> , Yusuf Acar
152	Synthetic Data Generation in Virtual Environments for Automated Shelf Auditing in Supermarkets	<b>Iván González</b> , Abel Gómez, Emmanuel Morán, Carlos Saldarriaga, Christian Tutivén
1182	On the feasibility of hybrid communication for L4 driving in rural areas in Germany	Fredrik Boye, <b>Michael Klöppel-Gersdorf</b> , Rico Auerswald

P. ID	TITLE	AUTHORS
784	Prostate Cancer Detection using Deep Learning Models on Histopathological Image Slides: An Experimental Analysis	Shereen Afifi, Ranpreet Kaur, Hamid Gholamhosseini, <b>Yehia Mousa</b> , Bashar Menissy ,Radwa Taha, Mirza Baig, Ehsan Ullah
786	Smart IoT-Based Mobile App for Continuous Patient Monitoring	Shereen Afifi, Menna Naem, <b>Mohamed El Ghazouly</b> , Mirza Baig, Hamid Gholamhosseini
1051	Shadow AI: Governance, Risk, and Organisational Resilience	<b>Joseph A. J. Ross</b> , Lee Hibbert, Emma J. Moss
1188	Smart Health Monitoring System for Realtime Measurement of Vital Signs	<b>Shereen Afifi</b> , Hamid Gholamhosseini, Mirza Baig
1286	Adversarial Attacks on Machine Learning Models in Cybersecurity	<b>Sara Hani Ahmed</b> , Mozn Abdulaziz Bamadhaf, Abid Mehmood
373	A signature-based model for learning lung cancer stage from multiplex immunofluorescence image data with spatial summary functions	Christelle Agonkoui, Hua Cao, Sophie Dabo-Niang, <b>Gaurav Dhar</b> , Nicolas Jankovsky, Karin Sahmer
1109	iObserver: An IoT-Enabled Virtual Telepresence Robot for Hazardous Environment Exploration	Nora Al-Marri, Ali Al-Qallaf, Amara Abdelghaffar, Jassim Al-Rasheedi, <b>Aya Rezk</b> , Khalid Sultan

# HALL - B

**Session B-V: Machine Learning - I**  
**08:30-11:00**

**Coffee Break 11:00-11:15**

**Session B-VI: Machine Learning - II**  
**11:15-13:15**

**Lunch**  
**13:15-13:45**

**Session B-VII: Machine Learning - III**  
**13:45-15:45**

**Coffee Break 15:45-16:00**

**Session B-VIII: Mixed - III**  
**16:00-17:15**

P. ID	TITLE	AUTHORS
101	Predicting Under-Five Year Mortality and its Determinants in South Africa: A Machine Learning Approach	<b>Mokgoropo Makgaba</b> , Koena Mabokela, Amusa Lateef, Michael Olusanya, Joash Mageto
296	Comparative Analysis of Machine Learning Models for Predicting Heat Index Severity	<b>Jenadel Antipolo</b> , Dondie Returan, Robert De Luna
757	Trend Identification using LSTM vs. Convolutional Neural Networks on the NASDAQ market	<b>Özüm Emre Aşırım</b>
329	Detection of Neurocognitive Dysfunction via Hyperventilation Stimuli-induced EEG Responses using Machine Learning Approaches	<b>Kusum Tara</b> , Ruimin Wang, Yoshitaka Matsuda, Satoru Goto, Takako Mitsudo, Takao Yamasaki, Takenao Sugi
370	Correlation Analysis and Anomaly Detection in Gas Piston Unit Data Using Machine Learning Methods	<b>Artem Nazarov</b> , Eugenia Echkina, Andrey Sushko
642	An Intelligent Sensor Fusion Object Detection System with LiDAR and Camera	<b>Shireen Bhanu Eadara</b> , Jungme Park
378	Applying Machine Learning Techniques for Weather and Air Pollution Forecasting with Geographically Distributed Data	Anatoliy Doroshenko, <b>Dmitry Zhora</b> , Vitalii Shpyg, Yaroslav Haidukevych, Róbert Horváth, Ivan Dimov
452	The Impact of Multimodal Fusion methods and Debiasing Techniques for Medical VQA	<b>Aya Nuseir</b> , Marc Ebner
490	Performance Evaluation of Machine Learning Algorithms for Heart Disease Prediction Using Real-World Data from Yemen	<b>Khaled Balhaf</b> , Nabil Ali Munassar, Lamiaa Mohammed Salem Akoosh
547	Reward Modeling with Weak Supervision for Language Models	<b>Ben Hauptvogel</b> , Malte Ostendorff, Georg Rehm, Sebastian Möller
568	Improving Library Recommender Systems with a Hybrid Interaction-ALS Approach under Data Sparsity	<b>Irma Irawati Ibrahim</b> , Yaya Heryadi, Nunung Nurul Qomariyah, Widodo Budiharto
137	Deepfake Detection Using Machine Learning: A Comprehensive Literature Review	<b>Bethel Zegeye</b> , Hawi Atinafu, <b>Sonia Sherif</b> , Rushit Dave, Mansi Bhavsar

P. ID	TITLE	AUTHORS
1048	Hybrid Embedding and Clustering techniques for Enhanced Stress Detection	<b>Hassina Uwamahoro</b> , Mebarka Allaoui, Rachid Hedjam, Bessam Abdulrazak
1072	Riverbank Change Detection in the Jamuna River Basin, Bangladesh: A Remote Sensing and Machine Learning Approach	Sowad Rahman, <b>Showrin Rahman</b> , Md. Tanvir Jawad, Md. Foysal, Mohammad Sakib Hossain
1219	Do sociolinguistic factors influence program writing styles?	<b>Deen Mohammad Abdullah</b> , Sara Binte Zinnat, Jacqueline E. Rice
880	Deep Learning for Humanitarian Landmine Detection in Aerial Remote Sensing Imagery Using Vision Transformers and Transfer Learning	<b>Mohammadtaha Parsayan</b> , Ali Parsayan
1075	Change Point Detection and Evolution Learning for Dynamic Networks	<b>Zhipu Zhou</b>
1097	Optimizing Cooling in Modular Data Centers: A Machine Learning Approach Using Real-Time Thermal Imaging	<b>Gráinne Mulvey</b> , Greg Doyle, Oisín Cawley
1110	Learner Behavior Modeling Framework through Socio-Cognitive features in eLearning Environment	<b>Nisreen Alzahrani</b> , Muhammad Sher Ramzan, Maram Meccawy, Halima Samra
1115	Data-Driven Machine Learning Approaches To Demand Forecasting In Supply Chain Management	<b>Safa Alrefaai</b> , Murat Ermis
1120	Tokenization Strategies for Low-Resource Agglutinative Languages in Word2Vec: Case Study on Turkish and Finnish	<b>Jinfan Frank Hu</b>

P. ID	TITLE	AUTHORS
1163	Comprehensive Email Spam Detection Using Large Language Models: Exploring the Limits of LLM-Based and Traditional Methods	<b>Aya Salama Abdelhady</b> , Mohamed Amr Shaker
1203	Predictive model for improving academic performance using random Forest algorithm	Joselito Nicolas Vasquerz Huamani, <b>Renzo Renato Ugarte Sanchez</b> , Jymmy Stuwart Dextre Alarcon
1094	Data Balancing in Breast Cancer Recognition Using the Wisconsin Breast Cancer Dataset	<b>Uzzal Basu</b> , Yanjun Yan
1222	Multimodal Scoring of Website Content Using Vision-Language Models for SEO Objectives	<b>Erfan Arzhmand</b> , Fatemeh Hosseini, Hossein Rashid
1229	AM-DEC: Attention-based Mixed-type Deep Embedded Clustering	<b>Lili Xu</b>
1238	Comparative Study of Machine Learning Approaches for Fixed Radar-Based Road User Classification	<b>Mai Abourobea</b> , Mohamed Atia, Karim Ismail
1248	Selective Layer Fine-Tuning for Federated Healthcare NLP: A Cost-Efficient Approach	<b>Lihong Zhang</b> , <b>Yue Li</b>
1258	Selective Attention Federated Learning: Improving Privacy and Efficiency for Clinical Text Classification	<b>Yue Li</b> , Lihong Zhang
1265	Quality enhancement in wearable devices of Photoplethysmographic signals affected by motion artifacts using Neural Networks	Francesco Lupo, Alessandro Gumiero, <b>Nicola Picozzi</b> , Luigi Della Torre
1272	Classification of Heart Disease from Clinical Data Using Random Forest and Neural Networks	<b>Mirela Sino</b> , Bilgin Demir, Elzana Dupljak, Zhilbert Tafa
1365	The Utilization of An Artificial Intelligence and Machine Learning Model to Aid in Accelerating Parkinson's Disease Diagnosis	<b>Jarod Lopez</b> , Nancy Shehata, Ishika Singh, Aiden Hyun, Galathara Kahanda

P. ID	TITLE	AUTHORS
1009	A Privacy-Preserving Framework for Scalable Data Integrity Verification in Cloud Storage Using Zero-Knowledge Proofs	<b>Asma Alzaabi</b> , Abid Mehmood
1205	A Reinforcement Learning Module for Reducing Curve Trajectory Error in End-to-End Autonomous Driving	<b>Gi-Hwan Jo</b> , Tae-Hyoung Park
1253	Emerging Trends and Technologies in Supply Chain Management: A Bibliometric Analysis	Aziz Hmioui, <b>Aymane Chekira</b>
1377	Enhancing BIM Process Automation and Traceability through ISO 21597-Based Information Containers	<b>Murat Aydın</b>
810	Feedback Related Negativity specifications in unpredictable gambling conditions	<b>Amin Mohammad Mohammadi</b> , Elias Ebrahimzadeh, Hamid Soltanian-Zadeh



# HALL - C

**Session C-V: Mixed - I**

**08:30-11:00**

**Coffee Break 11:00-11:15**

**Session C-VI: Big Data & Data Science - I**

**11:15-13:15**

**Lunch**

**13:15-13:45**

**Session C-VII: Big Data & Data Science - II**

**13:45-15:45**

**Coffee Break 15:45-16:00**

**Session C-VIII: Mixed - IV**

**16:00-17:15**

P. ID	TITLE	AUTHORS
663	Developing a Composite Dynamic Load Model for the Colombian Power System	<b>Neby J. Castrillón</b> , Juan C. González, Pouyan Pourbeik, Estefanía Gallego
1139	A Heuristic Approach to Train Maintenance Scheduling Using Simulated Annealing	<b>Andrea Galadiková</b> , Tomáš Časnocha, Maroš Janovec
491	Reducing Defects in CAF Enterprises (Stonecast) Manufacturing at Lapu-Lapu City Using a Lean Six Sigma Approach	<b>Diodalo C. Abing</b> , <b>Elizabeth Ann I. De Jesus</b> , <b>Jocel Ann G. Nipaya</b> , <b>Jessa C. Saban</b> , Ike Baguio
1181	Fully Automated RF and Microwave Test Measurements Using a Vector Network Analyzer	<b>Naysha Kumari</b> , Hithesh S, Arthi R, Christopher S
415	Generative AI Efficiency and Effectiveness in Software Project Documentation Review Process	Kadir Alpaslan Demir, Tarun Narasimha Varma Muppalla, <b>Bozhen Liu</b>
1247	The Origin of Model-View-Presenter Pattern by Means of System Decomposition	<b>Ilya Dubov</b>
846	Keeping track of the kids: a deep dive into object detector fairness for pedestrians of different ages	<b>Mark Friant</b> , Sadaf Md Halim, Latifur Khan
689	Bumidang: An Android Mobile Application for Broadcasting Fire Alerts in Baguio City	Waincel Lance Dumanghi, <b>Alby Destiny Litaoen</b> , Jinky Lopez, Melinda Beninsig
235	Experimental And Simulation Acoustic Study of Rectangular Plate Vibration For Exciter Speaker	<b>Mert Ali Özel</b> , Ahmet Emre Canbey, Eren Murtulu, Hikmet Karşıyaka, İbrahim Uysal
999	Intrusion Detection and Classification Using Machine Learning for Manufacturing Surveillance Systems	<b>Aman Deep</b> , Harwant Singh Arri
1311	The Guidance of Mountain Climbing Algorithm on the Effect of Dance Teaching	<b>Di Fan</b>
1329	Designing Blockchain-Based Frameworks for Enhancing Data Security and Integrity in Decentralized Computing Networks	<b>Bo Ning</b>
422	Financial Market Momentum Prediction and Portfolio Optimization Based on LSTM-Attention Hybrid Model and Dynamic Time Warping (DTW)	<b>Keying Zhang</b>

P. ID	TITLE	AUTHORS
114	Optimizing Quality Management Through Big Data	<b>Bakhshali Bakhtiyarov</b> , Aynur Jabiyeva, Huseyn Gasimov
351	Heterogeneous Geospatial Knowledge Discovery Methods for Identification of Food Desert Defection and Public Health Disparity Areas	<b>Geri Bakushi</b> , Sunnie Sun Chung
1338	Applying Entropy Analysis to Optimize Cargo Dwelling Time at Container Terminals	<b>Ahmad Adli</b> , Seno Adi Putera, Nur Ichsan Utama
603	From Data to Sustainability: Exploring the role of Big Data Analytics	Abdeslam Hassani, <b>Ikram Alami</b> , Zineb El Andaloussi
750	Ranking Matters: A Comparative Study of BM25, BERT-E5, and Hybrid (BM25 + BERT-E5) Retrieval Systems on the SQuAD 2.0 Dataset	<b>Şeyma Gülşen Akkuş</b> , Hakan Emekci
836	Analysis of Feature Engineering in Deep Learning Architectures for Dynamic Electricity Price Forecasting	<b>Pooja Joshi</b> , Jyotirmoy Bhardwaj, Stale Størdal, Mohan Kolhe, Erik Haugom
881	AI4Knowledge: Shaping the Future of Research Data Systems	<b>Otmane Azeroual</b>
1099	Enhancing Mineral Prospectivity Mapping in Imbalanced Data Environments Using Geophysical Feature Similarity and Bayesian Kernel Density Estimation	<b>Dipak Kumar Nidhi</b> , Paavo Nevalainen, Jatin Chaudhary, Jukka Heikkonen, Rajeev Kanth
1130	Analysis and optimization of quantitative characteristics of the formation of multi-threaded parallelism processes in BigData sorting tasks	<b>Volodymyr Khilenko</b> , Oleksii Stepanov, Dmytro Safonchuk, Vasyl Khylenko Jr., Vladyslav Hlushchenko

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1113	Explaining Database Performance Regressions Using a Large Language Model	<b>Arsenij Kroptya</b> , Ihor Mykheliiev
188	Evaluating The Effectiveness of Jobs Features in Making It Easier for Users to Get a Job with LinkedIn App	<b>Melvinsky Tirto</b> , Nathanael, Savio Valentino Widjanto, Yulius Lie
356	Deep Fusion Matcher: A Framework for Complex Sentence Similarity with Applications in Account Payable	Para Hitesh, <b>AI Aqmar Damana</b> , Prakash Selvakumar
567	How Reliable Is Semantic Search in Industrial Computing Domain? A Statistical Evaluation Pipeline	<b>Elif Yozkan</b> , Ilham Supriyanto
627	A systematic data preprocessing approach based on Three-Tier architecture: ensuring reproducibility, version control, and use of cleaned data for digital twins in mineral processing	<b>Nikhil Verma</b> , Joonas Linnosmaa
721	Comparative Analysis of the Efficiency of Synthetic Data Generation Methods in Classification and Regression Problems	<b>Aizat Dildabek</b> , Talshyn Sarsembayeva, Zukhra Abdiakhmetova
792	Proposed Vehicle Impact Detection Method Helping Determine Risk Factors to Containers in Port Terminals	<b>Edvinas Pocevicius</b> , Donatas Paulauskas, Pietro Corsi, Tomas Eglynas, Valdas Jankunas, Sergej Jakovlev, Mindaugas Jusis, Dovydas Lizdenis
837	Using Natural Language Processing to Correlate University Curricula with Required Job Skills	<b>Vidya Ramnarine</b> , Nicholas Chamansingh And Patrick Hosein
1031	Deep Learning for Reconstructing Historical Precipitation from Growth Rings in Baobab Trees	Pollyana Heidy Rocha Da Silva, <b>Otacio Antunes Santana</b>
1056	Quantitative Analysis of Urban and Rural PM2.5 Concentrations in Eastern Mediterranean Countries: A Statistical and Comparative Study	<b>Jyoshika Prabhakaran</b>
1107	Needs assessment in crisis contexts: Generating a synthetic population from limited demographic data	<b>Pierre Wetterwald</b> , Mirka Saarela, Benoît Vozel

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1378	A Semantic Compliance Tracking Framework for BIM Workflows Based on ISO 21597 and SHACL	<b>Murat Aydın</b>
392	Data-Driven Forecasting and Optimization Framework for Efficient Courier Payout	<b>Zehra Hafızoğlu Gökdağ</b> , Ahmet Çay, Ayşe Dilara Türkmen, Alaeddin Türkmen
171	RFID Based Indoor Localization for Construction Safety Management	Yufan Zhang, Weiheng Zhong, <b>Tong Liu</b>
278	Reinforcement Learning for Dynamic Traffic Management: A Scalable Approach to Congestion Reduction	Yufan Zhang, Weiheng Zhong, <b>Tong Liu</b>
842	Enhancing Recognition of Blurred Faces through FaceNet and Attention Mechanisms	Toinje' Maxson, <b>Saihemanth Nukala</b> , Xiaohong Yuan, Olusola T. Odeyomi, Kaushik Roy
725	Integrating Wearable Technology with Cloud Healthcare: A Conceptual Framework for Remote Patient Monitoring	<b>Hossam Meligy</b> , Shereen Afifi, Mirza Mansoor Baig, Hamid Gholamhosseini
244	Automated Information Extraction from Unstructured Documents Using Large Language Models and different Questioning Strategies	Jörg Brünnhäußer, Xiaoxu Zhang, <b>Erik Paul Konietzko</b> , Stefan Kehl

# HALL - D

**Session D-V: AI & Machine Lear.**

**08:30-11:00**

**Coffee Break 11:00-11:15**

**Session D-VI: Cybersecurity & Big Data**

**11:15-13:15**

**Lunch**

**13:15-13:45**

**Session D-VII: Mixed - II**

**13:45-15:45**

**Coffee Break 15:45-16:00**

**Session D-VIII: Mixed - V**

**16:00-18:30**

P. ID	TITLE	AUTHORS
637	Sensitivity Analysis of Neural Network Ensembles to Data Quality Issues	<b>Taiwo Omomule</b> , Andries Engelbrecht
983	A Data-Driven Data Mining Framework Predicting CGPA and Identify At-Risk Students	<b>Malakit L. Ram</b> , Jessa L. Arcina, Jose C. Agoylo Jr., Dorris S. Lintao, Rolly S. Acaso, Jimson A. Olaybar
661	Impact of Feature Selection for AI-Driven Classification of Alzheimer's Disease and Mild Cognitive Impairment Using Cerebral PET and MRI Images	<b>Mohammadtaha Parsayan</b> , Ali Parsayan
768	Recognition of Geometrical Shapes by Dictionary Learning	<b>Alexander Köhler</b> , Michael Breuß
389	Application of machine learning to map Photovoltaic-Solid Oxide Fuel Cell (PV-SOFC) systems	Shane Cawley, Ali Saberi Mehr, <b>Mohammadjavad Zeinali</b>
834	High-Accuracy Android Ransomware Detection Using SMALI Code-Based Analysis	<b>Vinicius Seixas</b> , Karim Elish
951	Exploring Manifold Embedding Techniques for Enhanced Clustering Efficiency	<b>Mebarka Allaoui</b> , Mohammed Lamine Kherfi, Rachid Hedjam, Samir Brahim Belhaouari
1124	Predicting NHL Performance from Cognitive-Motor Metrics After Concussion: An Explainable AI Approach	<b>Michael Moschitto</b> , Lauren E. Sergio, Marin Litoiu, Joydeep Mukherjee, Sumona Mukhopadhyay
1129	Serious Game Scoring for Maze Resolution	<b>Mihal Miu</b> , Alexander Ferworn
1131	AFEDA : Enhancing Network Slices Acceptance Ratio with Transformer-based Feature Extraction	<b>Abdel Kader Chabi Sika Boni</b> , Hassan Hassan, Khalil Drira
1179	AI-Powered Master Data Management in Healthcare-Enhancing Integration, Decision-Making, and Supply Chain Resilience	<b>Vinod Thallapally</b>
1223	The use of LLM to identify goals and objectives from the text of degree thesis using fine-tuning and promptengineering methods	<b>Vladislav Tereshchenko</b> , Viacheslav Martsinkevich, Natig Aminov, Alexey Dukhanov
1234	Unifying Healthcare Intelligence: How Foundation Models Are Transforming Heterogeneous Medical Data Integration	<b>Medjahed Amina Fatima Zohra</b> , Guerroudji Fatiha Meddah, Ougouti Souad



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788	Architectural vulnerabilities of IoT devices in the context of side channel attacks	<b>Vladislav E. Trifonov</b> , Anastasia F. Ponomareva, Alla B. Levina, Konstantin S. Krasov, Nikita A. Diaghilev, Danila A. Nemaltsev
1284	Towards Beyond Technology: Reviewing Human Error (HE) as the Primary Reason of Cyber Security Breaches	<b>Shahed Al Tamimi</b>
814	A Physical Layer Security Framework for Industrial Sensor Network Utilizing Integrated Infrared Handshaking and Visual Light Communication	<b>Ramin Irani</b> , Siamak Khatibi
62	Deep Learning-based Malware Detection Using Independent Stream Analysis of RGB and Grayscale Images	Alvina Liaqat, Ukasha Shahid, Izza Shah, <b>Ahmed Kaleem</b> , Aman Riaz
138	Frameworks for Cyberattack Prevention: A Comparative Analysis	<b>Brian Raul Liñan Acosta</b> , Jose Santisteban, Oscar Jesus Bazalar Gonzales
816	Approximating Quantified Information Leakage in Cyber-Physical Systems Through Their Digital Twins	<b>Sepehr Amir-Mohammadian</b> , Khayyam Salehi, Afsoon Yousefi Zowj
1117	Towards Quantifying Information Leakage of Timing Attacks in Cyber-Physical Systems	<b>Sepehr Amir-Mohammadian</b>
578	Exact Simulation for General Tempered Stable Random Variates: Review and Empirical Analysis	<b>Aubain Nzokem</b> , Daniel Mopasa
986	Loyalty Assessment System for the Small Business Customers	<b>Saltanat Biibosunova</b> , Li Dan, Li Jiaohui, Han Xiuzhi, Zholchubek Kutunaev
202	Information Theory Based Quantitative Complexity Analysis for Autonomous Vehicle Safety Testing	<b>Quentin Goss</b> , Mustafa Ilhan Akbas

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1295	Dynamic obstacle detection, segmentation and trajectory prediction based on point cloud data in autonomous driving scenarios	<b>Jincheng Zhou</b>
1305	Improve Small-Sample Learning in Image Recognition Through Meta-Learning Techniques	<b>Dongxue Wang</b> , Xian Pan
1332	Leveraging Meteorological Big Data for Optimized Modeling and Forecasting of Renewable Energy Sources in Smart Grids	Xuwei Zhang, Chun Zhou, <b>Hongjian Li</b> , Chao Xie, Yang Liu
1361	Research on multi-user collaboration and real-time feedback mechanism of the translation system between ancient Chinese and modern medical terms in Huangdi Neijing based on cloud computing collaborative platform	<b>Ma Zheng</b> , Shujian Zhang
613	Investigating the Impact of LT-like Fountain Codes Degree Distribution on Distributed Machine-Learning Applications	<b>Nadhir Ibrahim Abdulkhaleq</b> , Ahmed Saad Hussein, Basim Mahbooba
1021	Revolutionizing University IT Labs: A Docker-Based Approach for Next-Generation Learning Environments	<b>Abir Khaldi</b>
965	Utilizing Data Analytics for Effective Customer Complaint Analysis in Telecommunications	<b>İsmail Duru</b> , Merve Güllü
257	Motion Compensated Compression for Event-Based Cameras	Arnob Kumar Bairagi, <b>Howard Cheng</b>
608	Deriving Universal Mathematical Expressions for Identifying Minimal Cut Sets in Complex Series-Parallel Networks	Mariem Hassan Lafta, <b>Zahir Al-Khafaji</b>
386	Manipulating Blood Flow Using a Dielectrophoretic Simulation Technique	Vahit Gunes, <b>Recep Tayyip Temiz</b> , Erman Kibritoglu, Heba Yuksel
340	Exploration of Game Engines for Fluid Dynamics Simulation: A Comparative Study of Houdini and Unreal Engine	<b>Strazzeri Ilario</b> , Smets Florian, Quinten Julien
1296	Research on dynamic optimization scheduling of high-power flexible interconnected distributed generation based on genetic algorithm	<b>Lixin Zhang</b> , <b>Hao Zhang</b>

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1195	Transformation of Warehouse Operations at JSC “Qarmet” Through a Smart Management System	Zoya Gelmanova, Alibek Batyrbek, Gulnara Zhabalova, <b>Abdul Walid Fayez Wazani</b>
598	Crash Severity Prediction in Cold Regions Using Machine Learning: Integrating Weather, Lighting, and Road Surface Conditions	<b>Osama A. Abaza</b>
72	A Generative-Artificial-Intelligence-Powered Platform for an Educational Story-teller	Norah Saleh Alghamdi , Lina Abdullah Alqasayer, <b>Nouf Abdulaziz Abuhaimed</b> , Reyouf Mansour Alotaibi, Renad Fahad Alsaif
662	Hybrid Model of combination PSO and K-means	<b>Marwa Ben Salah</b> , Ameni Yengui, Mahmoud Neji
622	On the Methods of Further Generalization of Nyquist–Shannon sampling theorem	<b>Ibragim Suleimenov</b> , Yelizaveta Vitulyova, Aruzhan Kadyrzhan, Dina Shaltykova
955	A Sentiment Analysis Approach to Comprehend Users’ Perception of VR HMDs Gaming Applications	<b>Jinat Ara</b> , Muktadir Ahmmad, Bishwanath Sarker, Tarequl Islam, Cecilia Sik-Lanyi
1005	SyncFit: AI-powered Mobile eCommerce Application Utilising AR for Virtual Clothing Fitting	<b>Muhammad Usama Shakeel</b> , Aayan Ejaz, Hamid Ashfaq, Shakeel Ahmed, Reema Shaheen
1041	Statistical Analysis of the Effectiveness of Antibacterial Preparations Against Bacterial Diseases of Walnut using ANOVA	Kairova Gulshariya, Hüseyin Basim, <b>Ismagulova Elmira</b> , Oleichenko Sergey, Gulnur Suleimanova, Absatarova Damira
289	Advancing Flood Forecasting: An Ensemble Machine Learning Approach for Enhanced Prediction	Najah Al-Shanableh, Taghreed Al-Dakak, Mazen Alzyoud, Neda Halalsheh, Ahmed Mohamed Samir, <b>Mohamed Sahbi Benlamine</b>
1173	Assessing the Service Quality and Passenger Satisfaction at Cebu North Bus Terminal: A Structural Equation Modeling Approach for Optimal Public Transportation Management	<b>Kizah A. Benigra</b> , Efryl Lourdine T. Lavisores, Zenia T. Palacio, Dyanne Brendalyn M. Cavero
55	Application of Fuzzy Analytic Hierarchy Process (FAHP) in Investigating the Critical Factors Influencing Early Dropout among Returning Students at Cebu Technological University Main Campus, Cebu City Philippines	<b>Ike A. Baguio</b> , Dyanne Brendalyn M. Cavero, Soojie Gulbin, Patrick Marababol, Mechailla Marie P. Menchavez, Edhelianne L. Tautho
523	Analyzing the Factors Affecting the Delay of Transport of Sunrays Bus Lines using System Dynamics	<b>Niño Fergus S. Sobisol</b> , <b>Harvey P. Barazona</b> , Jane S. Dayondon, Katrina Maye S. Tabigue, Ike A. Baguio
994	Total Productive Maintenance (TPM) Intervention to Enhance the Overall Equipment Effectiveness (OEE) of the Mespac H-180 Series In-Line Liquid Filling Machine	<b>Cristine Edsa D. Quirante</b> , Gerald Ian Santos, Ike A. Baguio

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