

ICAMAC2025					
2nd International Conference on Artificial Intelligence, Metaverse, and Cybersecurity					
Conference Scientific Program					
17 th October 2025 (Friday)					
TIME	Activity				
08:30 – 10:00	Registration – Library G-Building				
09:30 – 10:15	Opening Ceremony & The AI Ayala Performance Hall: B-Building B004				
10:15 – 10:45	Coffee Break				
10:45 – 11:15	Keynote: Gina Petersen, Senior Vice President, Country Manager - UAE & Oman Topic: Trinity: Talent, Tech, & Trust Hall: B-Building B004				
11:15 – 11:45	Keynote: Dr. Eman El-Sheikh, Associate Vice President of the University of West Florida Topic: How Universities Can Maintain Global Competitiveness in an AI-Powered World Hall: B-Building B004				
12:00 – 14:00	Lunch & Break				
14:00 – 15:15	Tutorials				
15:30 – 16:30	Concurrent Sessions 1				
	Software Engineering	Artificial Intelligence	Artificial Intelligence	Cybersecurity	Metaverse
	CI06	CI07	CI08	CI09	DI07
16:30 – 17:00	Coffee Break				
17:00 – 18:00	Concurrent Sessions 2				
	Software Engineering	Artificial Intelligence	Artificial Intelligence	Cybersecurity	
	CI06	CI07	CI08	CI09	
18:00 – 18:10	Closing Ceremony				
20:00 – 22:00	Gala Dinner (Dubai Marina)*				

*: The yacht will leave from Dubai Marina exactly at 20:00. Make sure to be there by 19:45. Please ask for details at the registration desk.

14:00 – 15:15	Tutorial 1
	C Building - C106 Presenter: Mastercard – Anikta Priyam, Rupesh Sankhala Topic: Automated Threat Hunting Using AI Agents

14:00 – 15:15	Tutorial 2
	C Building - C107 Presenter: Algotery – Ali Boyraz Topic: Mastering LLM Evaluation - Hands-on AWS Bedrock and Promptfoo Workshop

14:00 – 15:15	Tutorial 3
	C Building - C109 Presenter: HCT – Dr. Usman Durrani – Professor Topic: AI Augmented Software Engineering

SESSION - 1			
C Building – C106			
Track: Software Engineering			
Session Chair: Martin Žagar			
15:30 – 16:30	Id	Paper Title	Authors
			Presenter
	22	CodeSync: Multi-Agent System for Programming Assistance and Deterministic Thinking	Guhanesh, Bala ; S, Maheswari; P, Sasikumar; Sivaraman, Arunkumar
	24	Leveraging Blockchain for Secure and Transparent Patient Case Data Management: Insights from System Implementation and Use Cases	Sahu, Varun Dev ; Divite, Pritish Dipak ; Akolu, Yash Rajesh; S, Maheswari; Thaseen, Sumaiya
	40	Blockchain-Enabled and Paperless Identity Systems for Environmental Sustainability	Sayıcı, Tunga; Salucu, Deniz
	55	Enhancing Remote Healthcare Through Contactless Interaction	Žagar, Martin; Klapan, Ivica; Mutka, Alan; Majhen, Zlatko

SESSION - 1			
C Building – C107			
Track: Artificial Intelligence			
Session Chair: Mounsef, Jinane			
15:30 – 16:30	Id	Paper Title	Authors Presenter
	39	Attention-Enhanced ResNet for Accurate Alzheimer's Disease Classification	M, Santo Paul; X, Anita; J, Martin Leo Manickam; Raj, Benson Edwin X, Anita
	44	Application Of Transfer Learning in Autism Spectrum Disorder Detection Using Brain Imaging	Periyasamy, Sasikumar; Subburaj, Maheswari Periyasamy, Sasikumar
	50	Deep Learning-Based Gesture Recognition for Myoelectric Prosthetic Control Using sEMG	Rapeti, Shanmukha; Nandakumar, Adithya Rapeti, Shanmukha
	78	Eye Gesture-Based Robotic Arm Control Using EOG and Machine Learning	Alshehhi, Mohammed; Singh, Abhilasha; Mounsef, Jinane Singh, Abhilasha
	79	Feature Fusion of Deep and Spatio-temporal Features for Dynamic Scene Understanding	Ahmed, Areej; Jabbar, Ishana; Naeem, Shehryar; Uddin, Md Azher Uddin, Md Azher

SESSION - 1			
C Building – C108			
Track: Artificial Intelligence			
Session Chair: Abu Talib, Manar			
15:30 – 16:30	Id	Paper Title	Authors Presenter
	47	Security Risks and Privacy Challenges of Large Language Models in Enterprise Environments	Hailemichael, Soliana; Chano, Maria; El-Sheikh, Eman; Hayajneh, Thaier El-Sheikh, Eman
	61	ATERS: An Advanced Text Emotion Recognition System for Non-Binary Sentiment Analysis based on Fine-tuned DistilBERT	Alabdallah, Hamza; Yerima, Suleiman Alabdallah, Hamza
	62	RIAC: A Hybrid Framework for Real-time Arabic Captions Generation using ViT and GPT	Alabdallah, Hamza; Yerima, Suleiman Alabdallah, Hamza
	67	Improved Drone Detection Approach: Using RF-based Techniques and Deep Learning	Alaboudi, Mariam; Nasir, Qassim; Abu Talib, Manar Abu Talib, Manar
	76	Evolution of YOLO models and a Comparative Evaluation for Pedestrian Detection	Retig, Ma Althea; Ansari, Fakeha; Almarri, Maitha; Yerima, Suleiman Retig, Ma Althea

SESSION - 1			
C Building – C109			
Track: Cybersecurity			
Session Chair: Saadeh, Huda			
Id	Paper Title	Authors	Presenter
15:30 – 16:30	31 Sybil Attack Detection in Urban VANET Using Exponentially Spider-Tailed Viper Optimization Based Shuffle Attention Network	Velayudhan, Nitha	Velayudhan, Nitha
	33 SmartInject: Automated SQL Injection Testing using Deep Q-Learning and LSTM-Based Payload Generation	Alhussin, Mohammad; Kermani, Arash; Satrya, Gandeve	Alhussin, Mohammad
	35 Simplex Covert Communication Channel Via Google DNS TCP Keep-Alive Packets	Alnuman, Rashed; Saadeh, Huda	Alnuman, Rashed
	71 Phishing URL detection with calibrated probabilities and policy-aligned thresholds	Al-Shammari, Eiman Tamah	Al-Shammari, Eiman Tamah
	82 The Distribution of CVE-Based Vulnerabilities on CMS Platforms	Tokuoglu, Saadet Elif; Balta, Deniz; Balta, Musa	Balta, Musa
	94 Weighted Ensemble Approach To Create Vulnerable Smart Contract Datasets	Alnuman, Rashed	Alnuman, Rashed

SESSION - 1			
D Building – D107			
Track: Metaverse			
Session Chair: Adnan, Muhammed			
Id	Paper Title	Authors	Presenter
15:30 – 16:30	41 Enabling Metaverse with an AI Companion	Gaur, Kuntal; Samblani, Gautam; Saini, Gatim	Gaur, Kuntal
	52 Reverse Silhouette Cherry Segmentation Using EfficientNetB7-U-Net with Morphological Post-Processing	Hariharan, Hariharan; S, Kaushik; S D, Abilesh; L, Jani Anbarasi; Narendra, Modigari; Edwin Raj, Benson	Edwin Raj, Benson
	92 Conceptual Foundations of Home Digital Twins for the Metaverse: History, Definitions, and Frameworks	Durrani, Dr Usman; Malik, Asif; Hassouna, Mohammed	Hassouna, Mohammed
	93 Applications of Home Digital Twins in the Metaverse: Energy, Safety, Healthcare, and Personalized Living	Malik, Asif; Adnan, Muhammed	Adnan, Muhammed

17:00 – 18:00

SESSION - 2			
C Building – C106			
Track: Software Engineering			
Session Chair: Al Hussaeni, Khalil			
Id	Paper Title	Authors	Presenter
57	Enhancing Third-Party Risk Management in Aviation: A Comprehensive Framework for Modern Challenges	Al Hussaeni, Khalil; Bin Hammad, Shamma	Al Hussaeni, Khalil
75	SymptoBuddy: A Progressive Web-Based AI Symptom Checker to Enhance Preliminary Health Assessment	Ishowo, Asma'a; Awotunde, Joseph; Hitam, Nor; Ishowo-Oloko, Fatimah	Ishowo-Oloko, Fatimah
83	SwarmForm: A Survey of Shape Formation in Modular and Decentralized Robot Systems	Kermani Kolankeh, Arash	Kermani Kolankeh, Arash
91	Orchestrating Intelligence: Towards A Framework for AI-Augmented Software Engineering Education	Durrani, Usman; Malik, Asif	Durrani, Usman

17:00 – 18:00

SESSION - 2				
C Building – C107				
Track: Artificial Intelligence				
Session Chair: Omari, Asem				
Id	Paper Title	Authors		Presenter
26	CPFE-Focus: Contextual Prior and Facial Stream-Assisted Focus enhancer and 3D Gaussian transition	Kumar, Aman; Bhatia, Chirag		Kumar, Aman
32	AI-powered Climate Change Analytics Approach	Omari, Asem; Alazzam, Azmi; Badreddine, Said; Al-Omari, Omaia		Omari, Asem
49	Impact Of Artificial Intelligence and Machine Learning on Customer Experience As a Catalyst to New Marketing Strategy	Emini, Adelina		Emini, Adelina
74	The Application of Artificial Neural Network for Optimal Real-time Control of Microgrids	Zoroje, Luka; Dobrić, Goran; Žarković, Mileta; Forcan, Miodrag; Forcan, Jovana; Barragán-Villarejo, Manuel; de Paula García-López, Francisco; Larruskain, Marene; Abarrategi, Oihane		Zoroje, Luka
87	Self-Contained Phishing Website Detection Using Machine Learning with Rendered URL and HTML Features	Özaslan, Yusuf; Adak, M. Fatih		Özaslan, Yusuf

SESSION - 2			
C Building – C108			
Track: Artificial Intelligence			
Session Chair: Andoniou, Constantine			
Id	Paper Title	Authors	Presenter
53	Green AI and Sustainable Technology	Al-Zanbouri, Zainab	Al-Zanbouri, Zainab
68	Inside the Machine: How ChatGPT Thinks, and Why It Is Reshaping Human Imagination	Andoniou, Constantine	Andoniou, Constantine
88	AI and ML Based Traffic Prediction System to Improve City Commutes	Alkharusi, Majid; John, Dr. Santhosh; Rajegowda, Puttaswamy Malali	John, Dr. Santhosh
90	Behavioural Biometrics: A Gait Recognition Approach	Kumar, Pradeep; Gaur, Kuntal; Tripathi, Shivansh; Sharma, Khushi; Tyagi, Aryan	Kumar, Pradeep

SESSION - 2			
C Building – C109			
Track: Cybersecurity			
Session Chair: Abdul Latif, Omar			
Id	Paper Title	Authors	Presenter
34	Reimagining E-Governance Document Security with Blockchain and Dynamic Consensus	Mishra, Priyanka; R, Ganesan	R, Ganesan
73	Proactive Approach to Identify and Mitigate Cybersecurity Threats in Smart Building using AI	Abdulla, Shayma; Alhayyas, Shayma	Abdulla, Shayma
77	Simulating a Ransomware Attack for Security Evaluation	Othman, Othman; Al Balawi, Yazan	Al Balawi, Yazan
81	Game Theory–Driven AI for Zero Trust Security	Hossain, Al Amin; Ahner, Darryl; Larkin, Michael	Hossain, Al Amin
64	Malware Detection and Analysis Using LLMs: A Review of Emerging Trends and Techniques	Mashel Albalooshi, Peter Chang, Suleiman Y. Yerima, Thekra Altamimi, Hamda AlFalasi, Abdulrahman Almarzooqi	Yerima, Suleiman
96	A Comparative Study on IoT Attack Detection	Ovaz Akpinar, Kevser; Abdo, Saleem; Brits, Jarryd	Ovaz Akpinar, Kevser