

Program at a Glance

Day 1: Tuesday, November 14, 2023	
Time	Program
08:00 – 16:00	Registration
Morning	
08:00 – 09:30	Welcome & Light Breakfast
09:30 – 10:00	Opening Ceremony, <i>Auditorium: G020</i>
10:00 – 12:15 13:45 – 16:30	Students' Poster Session, <i>Exhibition Hall: G023</i>
10:00 – 11:00	Keynote I: Mr. Alessandro Cremonesi, Executive Vice President, ST Microelectronics International NV <i>Auditorium: G020</i>
11:00 – 11:15	Coffee break
11:15 – 12:15	Keynote II: Prof. Albert Zomaya, The University of Sydney <i>Auditorium: G020</i>
12:30 – 13:30	Lunch
Afternoon	
13:30 – 16:30	Tutorial I: Dr. Parag Kulkarni, United Arab Emirates University <i>Room: 2022 Lab</i>
13:30 – 14:30	Day 1 - Session #1 (Artificial Intelligence in Data Science) Session Chair: Dr. Rafat Damseh <i>Room: 1027</i> <ul style="list-style-type: none"> • 1570939210: Nour A M Abujabal, Ibrahim Kamel Tamer Rabie, Path Planning Techniques for Multi-robot Systems: A Systematic Review • 1570953524: Mohammed Baziyad, Nour A M Abujabal Raouf Fareh, Tamer Rabie, Ibrahim Kamel, Maamar Bettayeb, A Direction for Swarm Robotic Path Planning Technique Using Potential Field Concepts and Particle Swarm Optimization • 1570954721: Shamma Esmaeel Jamali, Mohammad Mehedy Masud, Orbit Propagation and Determination using Genetic Algorithms • 1570954757: Muluberhan Woga, Solomon Ghebretatios, Hermon

	<p><i>Teklesenbet, Naod Yemane, Abdelkader Nasreddine Belkacem, A Wearable Device for Drowsy User Detection</i></p> <p>Day 1 - Session #2 (Artificial Intelligence in Data) Session Chair: Dr. Yasir Mahmood Room: 1036</p> <ul style="list-style-type: none"> • 1570953927: <i>Aryan Jadon; Sachin Sharma; Shashank Kumar; Global Message Ordering using Distributed Kafka Clusters</i> • 1570954151: <i>Hassan Ahmed Khalil; How are user movie ratings predicted using collaborative filtering</i> • 1570955526: <i>Ahmed M ElMassry; Abdulla AlShamsi; Ahmed Abdulhameed, Mohamed Sharaf and Nazar Zaki; Hassan Khosravi; A Regression Analysis Approach for Feature Selection in Student Achievement Data</i> • 1570955539: <i>Muhammad Arslan; Christophe Cruz; Enabling Digital Transformation through Business Text Classification with Small Datasets</i>
<p>14:30 – 15:30</p>	<p>Day 1 - Session #3 (Artificial Intelligence in Data Science) Session Chair: Dr. Rafat Damseh Room: 1038</p> <ul style="list-style-type: none"> • 1570946037: <i>Asma Wasfi, Bisni Fahad Mon, Mohammad Hayajneh, Ahmad Slim, Enhancing Assessment Placement and Curriculum Structure via Graph-Theoretic Approach</i> • 1570952486: <i>Hassan Nawaz, Ikram Ud Din, Ahmad Almogren, Ali Nawaz, Abdul Mohiz Malik, Autoencoder for Epileptic Seizure Recognition: An Unsupervised Approach</i> • 1570953917: <i>Jonayet Miah Razib Hayat Khan, Duc M Cao, Md Abu Sayed Lemon, SM Yasir Arafat, Fuad Mahmud, Improving Traffic Density Forecasting in Intelligent Transportation Systems Using Gated Graph Neural Networks</i> • 1570956980: <i>Ahmed Abdelhadi Ahmed, Yousif Badri and Asaad Shamseldin, Application of Nonlinear Gaussian Process Regression Models for CO2 Emissions Prediction</i> <p>Day 1 - Session #4 (Artificial Intelligence in Data Science) Session Chair: Dr. Omar El Harrouss Room: 1027</p> <ul style="list-style-type: none"> • 1570955510: <i>Fatima Ahmed ALraeesi, Mariam Khaled Al Kuwaiti, Jose Berengueres, Enhancing Autism Education: Exploring Interactive Videos and AI Integration for Effective Teaching</i> • 1570956809: <i>Nadia Agti, Sabri Lyazid, Okba Kazar, Abdelghani Chibani,</i>

	<p><i>A CNN-MLP Deep Model for Sensor-based Human Activity Recognition</i></p> <ul style="list-style-type: none"> • 1570958178: Ching-Jung Huang, Munkhjargal Gochoo, Tan-Hsu Tan, Two-Stream Architecture Using RGB-based ConvNet and Pose-based LSTM for Video Action Recognition • 1570958195: Elarbi Badidi, Hermon Teklesenbet, Nahom H. Demoz, Igor H. Jabiro and Yonatan R. Tesfay, Real-time Road Signs Detection and Recognition for Enhanced Road Safety <p>Day 1 - Session #5 (Security and Privacy in the Age of AI) Session Chair: Dr. Amir Ahmad <i>Room: 1028</i></p> <ul style="list-style-type: none"> • 1570950219: Abdulaziz Y.I. Abu Shawish, Mohammed Baziyad, Tamer Rabie, Ibrahim Kamel, Minimizing Distortion in Secret Image Retrieval: A Novel Solution to Combat Data Loss in Steganography. • 1570954866: Sidra Aslam, Ala Altaweel, Ibrahim Kamel, Impact Study and Analysis of Hidden-mode of Wormhole Attack in Opportunistic Mobile Networks. • 1570955650: Rafika Saadouni, Amina Khacha, Jr., Yasmine Harbi, Chirihane Gherbi, Saad Harous, Zibouda Aliouat, Secure IIoT networks with hybrid CNN-GRU model using Edge-IIoTset. • 1570958262: Nour El Houda Sayah Ben Aissa, Abderrahmane Lakas, Ahmed Korichi, Chaker Abdelaziz Kerrache, Abdelkader Nasreddine Belkacem, Robust Detection of Adversarial Attacks for EEG-based Motor Imagery Classification using Hierarchical Deep Learning.
15:15 – 15:45	Coffee break
15:30 – 16:30	<p>Day 1 - Session #6 (Internet of Smart Things) Session Chair: Dr. Munkhjargal Gochoo <i>Room: 1027</i></p> <ul style="list-style-type: none"> • 1570954362: Imene Ayat, Djamilia Mechta, Saad Harous, Tasks classification across edge servers nodes using K-means With multi-objective constraints Chebyshev distance • 1570958271: Doua Kosaji, Anas Chaari, Chihab Ezzaki, Hamza Mohammed, Sara Abumousa, Herbert Jelinek, Kinda Khalaf, and Mohammad I. Awad, Enhancing Paediatric Rehabilitation Through Data-Driven Sensory Integration and Interactive Engagement • 1570957987: Ahmed Abdelhadi Ahmed, Munkhjargal Gochoo, Mohamad Taghizadeh, Munkh-Erdene Otgonbold, Ganzorig Batnasan, ESL127: Emirate Sign Language Dataset(s) and e-Dictionary (Version 2.0) Utilizing Deep Learning Recognition Models

	<p>Day 1 - Session #7 (Security and Privacy in the Age of AI) Session Chair: Prof. Mohammad Masud Room: 1036</p> <ul style="list-style-type: none"> 1570958914: Mohammed Alkhyeli, Shaheen Alkhyeli, Khalifa Aldhaferi, Hanane Lamaazi, <i>Secure Chat Room Application Using AES-GCM Encryption and SHA-256.</i> 1570946329: Reem AlNuaimi, Fady Alnajjar, Hassan Abdulmouti, PEEP with <i>Cloud Encryption: A Dual-Layered Privacy Solution for Emotion Recognition Systems.</i> 1570946347: Saida Hafsa Rafique, Amira Abdallah, Khaled Shuaib, <i>IoT-Facilitated Intimate Partner Abuse.</i> 1570957546: Taimur Bakhshi, Bogdan Ghita, Levgeniia Kuzminykh, <i>SAFE: a Standardized Automotive Forensic Engine for Law Enforcement Agencies.</i>
19:00 – 22:00	Gala Dinner, Al Ain

Day 2: Wednesday, November 15, 2023	
Time	Program
08:00 – 12:00	Registration
Morning	
08:00 – 08:30	Light Breakfast
08:30 – 12:15 13:45 – 16:00	Students' Poster Session, <i>Exhibition Hall: G023</i>
08:30 – 09:30	Keynote III: Prof. Natalie Mrachacz-Kersting, University of Freiburg <i>Auditorium: G020</i>
11:00 – 11:15	Coffee break
11:15 – 12:15	Keynote IV : Prof. Mohamed Seghier, Khalifa University <i>Auditorium: G020</i>
12:25 – 13:10	Panel discussion (45 minutes): Mr. Alessandro Cremonesi, Prof. Albert Zomaya, Prof. Natalie Mrachacz-Kersting, Prof. Mohamed Seghier, and Dr. Frank Breitinger Moderator: Dr. Belkacem <i>Auditorium: G020</i>
13:15 – 14:30	Lunch

Afternoon	
13:30 – 16:30	<p>Tutorial II: Dr. Frank Breitingner, University of Lausanne Room: 2022 Lab</p>
13:30 – 14:30	<p>Day 2 - Session #1 (Internet of Smart Things) Session Chair: Dr. Munkhjargal Gochoo Room: 1028</p> <ul style="list-style-type: none"> • 1570958289: Farman Ullah, Muhammad Jalal Khan, Qizal Arsalan, Javeria Khattak, Uzma Abid Siddiqui, Afsah Abid Siddiqui, IoT Platform for Remote Monitoring and Controlling Small-scale Ventilator for SAR Patient • 1570954069: Mohammed Abduljabbar, Munkhjargal Gochoo, Mohamad T. Sultan, Ganzorig Batnasan, MunkhErdene Otgonbold, Jose Berengueres, Fady Alnajjar, Ashika Abdul Rasheed, Ahmed Alshamsi, Naser Alsaedi, A Cloud-Based 3D Digital Twin for Arabic Sign Language Alphabet Using Machine Learning Object Detection Model • 1570955252: Irfana Ilyas Jameela Manzil, Ruhul Amin Khalil, and Nasir Saeed, Performance Analysis of LoRa for Internet of Underground Things in Agriculture 4.0 <p>Day 2 - Session #2 (Artificial Intelligence in Data Science) Session Chair: Dr. Norziana Jamil Room: 1036</p> <ul style="list-style-type: none"> • 1570953977: Noori Memon, Sentence Level Language Identification in Code-mix Gujarati Language with Transformers • 1570955130: Nazar Zaki, Harsh Singh, Anusuya Baby Hari Krishnan Krishnan, Aisha Alnaqbi and Shamma Alneyadi, Sara Sulaiman Khalfan Alnaqbi, Sarah Khameis Ejmei Alhindaassi and Muneeba Alam, Afaf Kamal-Eldin, Transfer Learning and Explainable Artificial Intelligence Enhance the Classification of Date Fruit Varieties • 1570955795: Sarit Maitra, Vivek Mishra, Goutam Kumar Kundu, Kapil Arora, Integration of Fractional Order Black-Scholes Model with Neural Network <p>Day 2 - Session #3 (Security and Privacy in the Age of AI) Session Chair: Dr. Thangavel Murugan Room: 1027</p> <ul style="list-style-type: none"> • 1570954829: Mariam Subaih Alkaabi, Mohammad Mehedy Masud, Fatima Salem Alketbi, Amna Ahmed Abdulla Rashed Alhammadi, Alyazia Abdulla Alkaabi, Meera Mohammed Alblooshi, An Enhanced

	<p><i>Deepfake Video Detection Technique.</i></p> <ul style="list-style-type: none"> • 1570958091: <i>Shama Saif Alalawi, Safa Baalfaqih, Maitha Almeqbaali, Mohammad Mehedy Masud, Social Media Misinformation Propagation and Detection.</i> • 1570958941: <i>Heba Saleous, Marton Gergely, Khaled Shuaib, Utilization of Artificial Intelligence for Social Media and Gaming Moderation.</i> • 1570939077: <i>Sayed Ebrahim Hosseini, Effects of Smartphone Application Training on Iranian Elderly's Quality of Life.</i>
14:30 – 15:30	<p>Day 2 - Session #4 (Artificial Intelligence in Data Science) Session Chair: Dr. Yasir Mahmood Room: 1028</p> <ul style="list-style-type: none"> • 1570955884: <i>Mahamudul Hasan and Rajia Bashir Rahi; An Multi-threaded Collaborative Filtering Approach in Recommendation System</i> • 1570958317: <i>Smita Kapoor; Ravi Singh; Deepika Verma; Identifying and Categorizing Spam Messages and Emails via Machine Learning Techniques</i> • 1570958938: <i>Alia AlNeyadi, Ashwaq AlMarri and Salha AlKuwaiti; Amir Ahmad; A Study of the Effect of Vaccinated Populations on the Prediction Accuracy of the Regression Models for Daily Covid-19 Cases Prediction</i> • 1570946044: <i>Medha Mohan Ambali Parambil, Amna Mohammed Abdulla Alhammadi, Fady Alnajjar, Zouheir Trabelsi, Luqman Ali and Muhammed Swavaf; Visualizing Student Attention in Smart Classrooms: A Preliminary Study</i> <p>Day 2 - Session #5 (Artificial Intelligence in Data Science) Session Chair: Dr. Omar El Harrouss Room: 1036</p> <ul style="list-style-type: none"> • 1570953918: <i>Jonayet Miah, Duc M Cao, Ehsanur Rashid Lipu and Fuad Mahmud, Md Abu Sayed Lemon, SM Yasir Arafat, Improving Cardiovascular Disease Prediction Through Comparative Analysis of Machine Learning Models: A Case Study on Myocardial Infarction</i> • 1570954393: <i>Abdelhadi Hireche, Rafat Damseh, Parikshat Sirpal, Abdelkader Nasreddine Belkacem, EEG-based epileptic seizure pattern decoding using vision transformer</i> • 1570958014: <i>Heba M. Khater, Abubaker Suliman, Deep Learning-Based ECG Analysis for Myocardial Infarction Detection</i> • 1570958024: <i>Asadullah Tariq, Heba M. Khater, Farag Sallabi, Mohamed Adel Serhani, Ezedin Barka, Federated-Edge Computing Based Cyber-Physical Systems Framework for Enhanced Diabetes Management</i>

	Day 2 - Session #6 (Artificial Intelligence in Data Science) Session Chair: Dr. Norziana Jamil Room: 1027 <ul style="list-style-type: none">• 1570958097: Sunil Choenni, Tony Busker, Mortaza S. Bargh, <i>Generating Synthetic Data from Large Language Models</i>• 1570958332: Ashika Sameem Abdul Rasheed, Mohammad Mehedy Masud, Mohammed Abduljabbar, <i>A Comparative Study of Transformer Based Pretrained AI Models for Content Summarization</i>• 1570956480: Ngozi Nneke, Keeley Crockett, Huw Lloyd, <i>Quantification of Explainability in Black Box Models using Complexity Measures</i>
15:15 – 15:45	Coffee break
16:00 – 17:00	Closing Ceremony, Auditorium: G020

* If you have any inquiries, kindly reach out directly to the conference chair, Dr. Abdelkader Nasreddine Belkacem, via email at belkacem@uaeu.ac.ae



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