



Foundation University  
Islamabad



## FUSST International Conference on Computer Science and Engineering

**Day 1 (26 Sep 2024, Thursday)**

Venue: Seminar Hall, 4th Floor, AI Block

08:00 – 08:30	Registration Open at Reception FUSST			
08:30 – 09:00	Faculty and Student seating at the Venue			
09:15 – 09:30	Opening Ceremony			
09:30 – 09:50	Keynote Talk: “Wisdom Mining: Future of Data Mining” by Prof Dr M Shaheen			
Tea Break (09.50 AM – 10.30 AM)				
Time Slot	Paper ID	Author Name	Paper Title	Session Chair
Paper Presentation Session 1 – Artificial Intelligence				
10:30 – 10:45	19	Mudassar Iqbal, Syed Tahseen Haider and Saif Ur Rehman Rehmani	Canned Apple Fruit Freshness Detection Using Hybrid Convolutional Neural Network and Transfer Learning	Dr. Saif Ur Rehman / Dr. Arif Jamal
10:45 – 11:00	24	Ramis Abraham, Hadia Zainab, Pakeeza Komal, Saad Habib Qureshi and Faisal Ishtiaq	Dual Module Vibratory Device for Enhanced Blood Circulation in Muscles	
11:00 – 11:15	26	Baleegha Fatima, Muhammad Ammar Iqbal, Bilal Mushtaq and Abbas Ahmed	IoT-Driven Hand Gesture Recognition for Intelligent Home Automation Using Landmark Detection	



11:15 – 11:30	35	Mubbasher Munir, Ganesh Kumar, Zahra Tul Amani Zakaria and Atif Amin Baig	Human Obesity and Coronavirus: A Bibliometrics Review of Emerging Literature	
Paper Presentation Session 2 – Soft Computing				
11:30 – 11:45	1	Dr. Umar Mahmud	A Business Intelligence System for Used Vehicle Trading (BIS- VeT)	Dr. Eid Rehman / Dr. Umar Mahmud
11:45 – 12:00	2	Altaf Khan and Eid Rehman	Selecting Discriminative Features for Scene Structure Learning by Combining Multi-layered Convolutional Features and Handcrafted Features	
12:00 – 12:15	6	Muhammad Umar Sultan and Dr. Amber Sarwar	Instrument to Investigate Value Focused Thinking in Software Engineering Education	
12:15 – 12:30	11	Muhammad Ibrahim Khalil and Saif Ur Rehman	Frequent Subgraph Mining: Opportunities, Challenges and Future Prospects	
Keynote/ Panel Discussions				
12.30 – 13.00	-	Dr. Ali Ahsan	Keynote Talk: Catalyzing Evolution: Harnessing Generative AI for Next-Generation Higher Education	-
13.00 – 14.00	-	Lunch/ Prayer Break	-	-
14.00 – 14.30	-	Prof Dr Shoab A. Khan	Keynote Talk: A Strategic Framework for Emerging Technologies Research in Pakistan	-
14.30 – 15.30	-	Prof Dr. Abdul Ghafoor Convener	Panel Discussion: OBE in Engineering Education: Pros and Cons	-
14.30 – 15.30	-	Mr. Mohsan Tanveer Moderator	Workshop: Deep Learning	-
15.30 – 16.00	-	Dr. Mohammed Al- Khalidi	Keynote Talk: AI Security	-



## Day 2 – 27 Sep 2024, Friday

Venue: Seminar Hall, 4th Floor, AI Block

Time Slot	Paper ID	Author Name	Paper Title	Session Chair
Paper Presentation Session 1 – Image Processing				
09:00 – 09:15	5	Azhar Jamil, Saif Rehman, Hassan Nazeer and Farzana Kulsoom	From Frames to Events (FFE): Capturing and Merging Video Captions for Temporal Analysis	Dr. Abdur Rehman
09:15 – 09:30	9	Usman Zia and Abdur Rehman	MAED U-Net: A Multi Attentional Encoder Decoder Model for Skin Lesion Segmentation	
09:30 – 09:45	12	Muhammad Hafeez Javed, Taha M. Rajeh and Noreen Anwar	A Unified Frames of Interest Selection for Human Action Recognition Using Hybrid Features-Based Learning	
Tea Break				
10.15 – 10.45	-	Dr. Patrick Shearman ICMS Sydney Australia	Keynote Talk: Positive Computing in Healthcare	-
Paper Presentation Session 2 – Artificial Intelligence				
10:45 – 11:00	37	Asad Khawaja, Suleman Ahmed, Taha Farooq and Aania Majeed	Auditory Illusions: Detecting Synthetic Speech	Dr. Ateeq Ur Rehman / Dr. Shariq Hussain
11:00 – 11:15	42	Muhammad Ahsan Qureshi, Najumul Hassan, Kashif Nasr, Muhammad Adeel and Mehmoodul Hassan	Reconstructing Facebook Artifacts: A Volatile Memory Forensics for Cybercrime Investigation on Windows	



11:15 – 11:30	44	Qurat Ul Ain and Ateeq Ur Rehman	Simulation-based Analysis of Materials for Artificial Axon using COMSOL	
Paper Presentation Session 3 – Soft Computing				
11:30 – 11:42	20	Dr. Imran Anwar Ujan, Dr. Asadullah Shah and Dr. Noor Afzan Salleh	Proposed Model of Cloud Health Information Systems in Pakistan	Dr. Imran Anwar / Dr. M. Aqeel Iqbal
11:42 – 11:54	21	Tauqeer Ahmad, Asif Nawaz and Muhammad Rizwan Rashid Rana	An Intelligent Neural Network Based Approach for Enhancing Text-Based Information Retrieval Performance Using Social Networks	
11:54 – 12:06	33	Hafiza Anisa Ahmed, Syeda Aleeza Moazzam, Arisha Naz, Nabtahil Riaz and Mashal Noor	E-Active Workplace: An IoT based Solution to Improve Employee Workforce Efficiency Management	
12:06 – 12:18	41	Fatima Afzaal, Menahil Naseer and Muhammad Kamran	Non-Invasive Glucose Monitoring Through IoT and Machine Learning	
12:18 – 12:30	47	Muhammad Haseeb Mirza, Fahad Burhan Ahmad, Muhammad Habib, Ruqia Bibi, Rehan Mehmood Yousaf, Iqra Waseem, Muhammad Farzan and Noman Khan	SolarAI: Solar-Panel Optimization & Defect Resolution using CNN	
Paper Presentation Session 4 – Image Processing				
12:30 – 12:40	43	Tabassum Kanwal, Saud Altaf and Rehan Mehmood Yousaf	YOLO-Based Real-Time Recognition of Sign Language Gestures	Dr. Najmul Hassan
12:40 – 12:50	46	Veena Dilshad, Muhammad Nazir, Muhammad Attique Khan and Muhammad Nouman Noor	Optimal Feature Selection and Multi-Class Classification of Skin Cancer using Pre-Trained Deep Neural Networks	



12:50 – 13:00	49	Kashif Nasr, Asma Khan, Muhammad Ahsan Qureshi, Najmul Hassan, Adeel Ahmed	Enhancing Plant Health Management: A Comparative Analysis of YOLOv8 and YOLOv9 for AI-Based Disease Detection in Smart Agriculture	
13:00 – 13:10	30	Abdul Majid, Mehwish Zafar and Fadia Ali Khan	Classification of Gastric Infections Using Deep Learning Features	
13:10 – 14:10	Lunch/ Jumah Break			
14:10 – 14:40	-	Dr. Ervin Sejdic University of Toronto Canada	Keynote: AI & Medicine	-
15.00 – 15.45	-	Closing Ceremony	TBD	
15.45 – 16.30	-	Prof Dr. Tanvir Afzal Convener	Panel Discussion 2: AI & Future of Humanity	-
15.45 – 16.30	-	Mr. Umair Maqsood Moderator	Workshop: Web Development	-