



4th INTERNATIONAL CONFERENCE

November 13-14, 2024

On innovations in Computer Science



NED University of Engineering & Technology, Karachi

Conference Programme

Day-1 : Wednesday , 13th Novemeber 2024

Inaugural Session

08:30 - 12:30	Venue : Main Auditorium	8:30 - 9:30	Registration
		9:30 - 9:35	Recitation
		9:35 - 9:40	National Anthem
		9:40 - 9:45	Welcome address by Conference Vice Patron
		9:45 - 10:30	Keynote Speech : Computing with Quantum Entanglement Prof. Dr. Irfan Siddiqi Director, Quantum Nanoelectronics Laboratory, University of California, Berkley
		10:30 - 11:15	Keynote Speech : Measuring the Unmeasurable: The Power of Quantum Metrology Prof. Dr. Marco Genovese Research Director, Quantum Optics Research Sector of INRIM, Italy
		11:15 - 11:30	Address by Chair IEEE Karachi Section
		11:30 - 11:40	Address by University Leadership
		11:40 - 11:50	Chief Guest Address by Mr. Inam ur Rehman President Disrupt
		11:50 - 12:00	Address by Sponsors
		12:00 - 12:10	Presentation of Souvenirs
		12:10 - 12:15	Vote of Thanks by Conference Chair
		12:15 - 12:30	Photo Session

12:30 - 14:30

Prayers/Lunch Break

14:30 - 16:20	Venue : Ashraf Habibullah AV Hall	Technical Paper Session-I Session Chair : Dr. Najmi Ghani Haider, Session Co-Chair : Dr. Abdul Karim Kazi	
		14:30 - 14:50	Keynote Speech: Future of Cryptocurrency in Pakistan Dr. Mubashir Rehmani Department of Computer Science, Munster Technological University, Ireland
		14:50 - 15:10	Development and implementation of AI-enabled, remote vitals monitoring system using LoRaWAN Muhammad Imran Aslam, Sundus Ali, Hamza Kaleem Shah, Samima Siddiq, Eisha Shoukat and Yahya Ahmed Khan
		15:10 - 15:30	Disaster Resilient Cellular Network: Challenges and Requirements Sunya Suhail Farooqi and Dr. Bilal Mohammad Khan
		15:30 - 15:50	SmogMaster: LIDAR-Enhanced Driving Assistance for Beyond Visibility in Dense Fog Falak Saleem, Muhammad Huzaifa and Duaa Iqbal
		15:50 - 16:10	Optimizing Distributed Denial of Service (DDoS) Attack Detection Techniques on Software Defined Network (SDN) using Feature Selection Inamul Haq, Salman Khan, Nazeeruddin Mohammad and Ali Zaman
		16:10 - 16:20	Presentation of Souvenirs

Day-2 : Thursday, 14th November 2024

08:40 - 09:30	Venue : STEM Center	Technical Paper Session-II Session Chair : Prof. Dr. Marco Genovese, Session Co-Chair : Dr. Jibran Rashid	
		08:40 - 08:55	CONSTRUCTION OF A QUANTUM RANDOM NUMBER GENERATOR Kashish Karera, Areej Khan, Humanyou Tariq, Mantasha Nadeem, Roohi Zafar, Muhammad Kamran and Muhammad Mubashir Khan
		08:55 - 09:10	Towards Robust Quantum Communication: A Taxonomy of Vulnerabilities and Attacks over a decade in Quantum Key Distribution Ehtesham Khan, Muhammad Mubashir Khan, Muhammad Kamran and Tahir Malik
		09:10 - 09:25	Free Space Optical Communication Using Principles Of Quantum Mechanics Tooba Angabeen, Fatima Asghar, Roohi Zafar, Tahir Malik, Muhammad Mubashir Khan and Muhammad Kamran
		09:25 - 09:30	Presentation of Souvenirs

09:40 - 12:30	Venue: Ashraf Habibullah AV Hall	Technical Paper Session-III Session Chair : Prof. Dr. Rizwan Ahmed Khan/ Prof. Dr. Salman Ahmed Khan, Session Co-Chair : Prof. Dr. Najeed Ahmed Khan	
		09:40 - 10:00	Keynote Speech : Generative AI and Education Prof. Rafael Ferreira Mello Federal Rural University of Pernambuco, UFRPE, Brazil
		10:00 - 10:20	Urban Pluvial Flood Prediction Using Machine Learning Models Waseemullah Nazir, Tahir Hassan, Sajid Majeed and Muhammad Qasim Memon
		10:20 - 10:40	Early Stage Breast Cancer Prediction Using Image Processing Shehnaila Zardari, Nisar Ahmed Shar, Maria Munawwar, Ume-Hani Usman, Mahrukh Khan and Zeba Shabbir
		10:40 - 11:00	Real-Time Detection of Cyber Threats via Dark Web Traffic Analysis Using Machine Learning and Deep Learning Aveen Faheem and Muhammad Mubashir Khan
		11:00 - 11:20	SafeCampus: Leveraging AI for Advanced Surveillance and Security Enhancement Hamna Farooq and Najeed Ahmed Khaned
		11:20 - 11:40	Recommender System For Educational and Professional Growth Summiya Iqbal Jangda and Muhammad Khaliq-Ur-Rahman Raazi Syed
		11:40 - 12:00	Blockchain Sharding Model to Increase The Efficiency of Waste Management Processes Based on Blockchain Technology Inayatulloh Inayatulloh, Dewan Pelawi, Witarsjah Witarsjah, Novan Zulkarnain, Ernawaty Ernawaty and Anzaludin Samsinga Perbangsa
		12:00 - 12:20	SonicVision: Navigating Object Counting Frontiers with Ultrasonic Economy Mohsin Khalil, Muhammad Saad Ikram and Adnan Shah
		12:20 - 12:30	Presentation of Souvenirs
09:40 - 12:30	Venue: Mechanical AV Hall	Technical Paper Session-IV Session Chair : Prof. Dr. Jawwad Ahmed Shamsi/ Mr. Azeem Afzal, Session Co-Chair : Prof. Dr. Shariq Mahmood Khan	
		09:40 - 10:00	Session Talk : AI-Based Context-Aware Event Detection of Critical Events Prof. Dr. Jawwad Ahmed Shamsi National University of Computer and Emerging Sciences, FAST, Karachi
		10:00 - 10:20	Unified Butterfly for NTT in Post-Quantum Cryptography Algorithm CRYSTALS-Kyber Ayesha Waris, Arshad Aziz and Bilal Muhammad Khan
		10:20 - 10:40	Examiti Revolutionizing Exam Paper Creation and Quality Evaluation using Artificial Intelligence Muhammad Jawwad, Syed Muhammad Zaryab, Abdul Rafay Chohan, Muhammad Rohan Ahmed and Muhammad Mubashir Khan
		10:40 - 11:00	A Blockchain based E-Commerce Platform with Supply Chain Management and Authenticated Resale Akhlaq Ahmed Shaikh, Samia Masood Awan, Muhammad Fahad and Mahnoor Zahid
		11:00 - 11:20	SSS: Investigating Secure Scalable Solutions for Blockchain (An SLA Scenario) Kashif Khan, Shariq Khan, Zuhair Mohsin and Danish Zaki
		11:20 - 11:40	CyberCure - Malware Defense System Sardar Zohair Shahid, Muhammad Anas Bangash, Muhammad Rayyan Hussain and Saadia Arshad
		11:40 - 12:00	Implementation of Differential Privacy for Enhancing Data Privacy in Wearable Fitness Trackers Hammad Shaikh and Shariq Mahmood Khan
		12:00 - 12:20	Design and Analysis of Quantum Safe Virtual Private Network Muhammad Saad, Muhammad Mubashir Khan and Waseem Ahmed
		12:00 - 12:10	Presentation of Souvenirs
12:30 - 14:30 Prayers/ Lunch Break			
Closing Session			
14:30 - 16:10	Venue: Main Auditorium	14:30 - 14:35	Recitation
		14:35 - 14:40	National Anthem
		14:40 - 15:00	Guest of Honor Speech by Prof. Dr. Marco Genovese Research Director, Quantum Optics Research Sector of INRIM, Italy
		15:00 - 15:20	Speech by University Leadership
		15:20 - 15:30	Closing Remarks by Conference Chair
		15:30 - 15:45	Presentation of Souvenirs
		15:45 - 15:50	Prize Distribution Koderz Kombat
15:50 - 15:55	Vote of Thanks by Conference Secretary		



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