



International Conference on Cybersecurity and Digital Defense (ICyDD)

November 22-23, 2024

Conference Program

**Department of Computer Science and Software
Engineering**

Jinnah University for Women

Karachi, Pakistan



Pre-Conference Activity November 18, 2024	
12 noon – 1:00 pm	Pre-Qualifying Round - Women Cyber Warrior Challenge
Day 1 - November 22, 2024	
Inaugural Session of the Conference Venue: Muhammad Uzair Auditorium	
Timings	Activities
10:00 am	Tilawat-e-Quran National Anthem of Pakistan
10:15 am	Welcome Address
10:20 am 10:40 am	“The Evolving Landscape of Cybersecurity” Keynote Lecture by: Prof. Dr. Narmeen Zakaria Bawany Dean, Faculty of Science
10:45 am – 11:15 am	“Navigating the Modern Cybersecurity Landscape” Invited Talk by: Mr. Khawar Zahoor Computer Networks and Systems Support Engineer, Zayed Charitable & Humanitarian Foundation, Abu Dhabi, United Arab Emirates
11:20 am - 11:40 am	“Intelligent Defenses: Leveraging AI to Protect Autonomous Vehicles from Cyber Threats” Invited Talk by: Dr. M. Omar Al-Kadri Associate Professor, University of Doha for Science and Technology (UDST), Doha, Qatar
11:40 am – 12:00 noon	“Cybersecurity Essentials: Protecting yourself in the Digital Age” Invited Talk by: Ms. Soomaiya Hamid
12:00 noon to 12:15 pm	“Cyber Safety Unlocked: Tools and Tactics to Combat Online Threats” Invited Talk by: Ms. Hira Tariq

Timings and Location		Technical Sessions			
		12:00 noon – 12:10 pm	12:10 pm – 12:20 pm	12:20 pm – 12:30 pm	12:30 pm- 12:40 pm
Technical Session -1: The Role of AI and Machine Learning in Cyber Defense Session Organizer: Ms. Sadia Javed and Ms. Tehreem Qamar					
Programming Lab 1, C-Block, C-60	Ethical Considerations in AI-driven Cybersecurity: Balancing privacy, trust and security. Syed Masooma Raza	Recent Trends in Cybersecurity using Quantum Resilience Hiba Altaf	Artificial Intelligence Growing Role in Cybersecurity Sadia Ali		
Technical Session -2: Security in the Quantum Age and Unified Information and Cloud Security Framework Session Organizer: Ms. Samia Ghazala, Ms. Ummay Faseeha					
Programming Lab 2, C-Block, C-61	Role of Quantum Computing for Enhancing Cybersecurity Threat Detection Ayesha Shafi	Impact of Cybersecurity on Quantum Computing Manahil Azhar	Zero-Day Vulnerabilities & Advanced Persistent Threats Aliza Khalid	Securing Cloud Infrastructure: Addressing Sybil Attack Vulnerabilities Arham Sheikh	
Technical Session -3: Next-Gen Cybersecurity for Mobile, E-commerce, and E-mail Platforms and Deepfake Technology and Cybersecurity Session Organizer: Dr. Rahu Sikandar, Ms. Hafiza Anisa Ahmed					
Programming Lab 3, C-Block, C-62	Deepfake Dilemmas: Navigating Cybersecurity Risks in Social Engineering Attacks Sana Ghulam	Strengthening E-Commerce Security: A Comprehensive Review of Frameworks Addressing Key Vulnerabilities Warisha Intezar	A Smart Approach to E-commerce Security: Integrating AI With Blockchain Technology Ayesha Shahid		

9:00 am - 1:00 pm – Programming Lab IV - C63	“Learn to Navigate the Digital Battlefield”- CTF Training Workshop in collaboration with 
Day 2- November 23, 2024	
Timings and Location	Activities
10:00 am - 1:30 pm – Programming Lab IV - C63	Women Cyber Warrior Challenge – Capture The Flag Hackathon
Venue: Muhammad Uzair Auditorium	
10:00 am – 10:30 am	Welcome Address
10:35 am – 10:45 am	Address by Chief Guest Mr. Ibrahim Amin Founder and Chairman, Dellsons Associates Co-Founder & Chairman, Pakistan Freelancers Association
10:50 am– 11:00 am	“Cybersecurity Threats and Tips for Students and Career paths” Invited talk by: Ms. Zainab Hameed President WiCys, Pakistan Affiliate CEO & Principal Consultant, StrataG Consulting PK
11:00 am – 11: 30 am	Panel Discussion Topic: “Cybersecurity and Digital Defense: Trends, Threats, and Career Opportunities” Panelist: Mr. Ibrahim Amin, Mr. Uzair Hashmi Ms. Zainab Hameed
11:35 am to 11:45 am	Product Launch: Cyber AttackAware
Technical Session	
11:45 am – 12:00 noon	A Collaborative Deepfake Detection Framework Using Federated Learning for Enhanced Privacy and Security Rahila Shah Dawood University of Engineering and Technology (DUET), Karachi, Pakistan

12:00 noon – 12:15 pm	Towards Trustworthy Ai-Driven Cybersecurity: A Comprehensive Ethical Framework Midhat Khan Jinnah University for Women, Karachi, Pakistan
12:15 pm to 12:25 pm	Blockchain Scam Retranattack Identification and Detection via Association learning Muhammad Ali National University of Computer and Emerging Sciences (FAST-NUCES), Karachi, Pakistan
12:25 pm – 12:35 pm	Digital Twin and Cybersecurity Asma Irfan Cardiff University, United Kingdom (UK)
12:35 pm – 12: 45 pm	Security in the Quantum Age: Side-Channel Attacks and Countermeasures in Post-Quantum Cryptography Areeba Nadeem National University of Sciences and Technology (NUST), Karachi, Pakistan
12:45 pm - 1:00 pm	Vote of Thanks
1:00 pm	Award Distribution