

TENTATIVE CONFERENCE PROGRAM SCHEDULE

December 07-09, 2022

Day 01 – December 07, 2022 (Wednesday)	
Time	Program
	Inaugural Session Venue: USPCAS-W Auditorium
08:30 AM	Registration Starts
08:40 AM	Guests to be Seated
09:00 AM	Event Starts
09:05 AM	Recitation of Holy Quran
09:10 AM	National Anthem of Pakistan
09:15 AM	Welcome Speech by Prof. Dr. Arbab Nighat (Conference Chair)
09:20 AM	Conference Briefing By Engr. Azam Rafique (Conference Secretary)
09:30 AM	Speech by Prof. Dr. Bhawani Shankar Chowdhry
09:40 AM	Speech by Prof. Dr. Aftab Ahmed Memon
09:45 AM	Speech by Prof. Dr. Mukhtiar Ali Unar (Conference Chair and Dean FEECE)
09:55 AM	Speech by Prof. Dr. Tauha Hussain Ali (Vice Chancellor)
10:05 AM	Celebration of 50 years Golden Jubilee of Department of Electronic Engineering
10:30 AM	TEA BREAK
12:00 PM	Keynote Talk: Pushing Intelligence to the Edge of Internet of Things: A new Paradigm enabling Next-Generation Smart Systems of Systems Prof. Dr. Giancarlo Fortino, University of Calabria, Italy Venue: Video Conference Hall, IIT Building
	<div style="display: flex; justify-content: space-between;"> SESSION-I: COMMUNICATION SYSTEMS AND IOT Poster Session </div>

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	Session Chair(s): Prof. Dr. Wajiha Shah / Prof. Dr. Faisal Karim Shaikh Venue: Video Conference Hall, IIT Building	Session Chair: Prof. Dr. Attiya Baqai
12:30 PM	Paper ID 114: Development of Software/Hardware platform For Wideband Antenna Measurement	
12:45 AM	Paper ID 131: Multirate FIR Filter Using Radix Sort Booth Algorithm In Xilinx System Generator	
01:00 PM	Paper ID 149: Multi-Active Multi-Datacenter Distributed Database Architecture Design based-on Secondary Development Zookeeper	
01:15 PM	Paper ID 103: Artificial Intelligence and IoT-Based Autonomous Hybrid Electric Vehicle with Self-Charging Infrastructure	
01:30 PM	Paper ID 121: Assessing Security Threats Perception of Layered Internet of Things using Multiple Linear Regression Model	
01:45 PM	Paper ID 122: Security Threats and Research Challenges of IoT - A Review	
02:00 PM	Paper ID 155: Implementation of Item Management Process and Food Recognition in a Fridge using Computer Vision and IoT	
02:15 PM	Keynote Talk: RISC-V State of the art and Future Prospects Dr. Muhammad Yasir Qadri, National Electronics Complex of Pakistan (NECOP), Islamabad	
03:00 PM	LUNCH, NAMAZ AND TEA BREAK	
	SESSION-II: AUTOMATION, CONTROL and ROBOTICS Session Chair(s): Prof. Dr. Arbab Nighat	
03:45 PM	Paper ID 172: CROPBot: Customized Rigid Organic Plantation Robot	
04:00 PM	Paper ID 179: Linearized 1-DoF Dynamic Model of an Underwater Vehicle Using CFD	
04:15 PM	Paper ID 112: Distributed Control Method for Power Sharing in an Islanded AC/DC Microgrid System	



2022'

INTERNATIONAL CONFERENCE ON
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COMPUTING AND COMMUNICATIONS (ICE TECC)

Details at icetecc.muet.edu.pk

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04:30 PM	Paper ID 142: Impact of Adopting Robots as Teachers: A Review Study
	CLOSING OF DAY 01

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Day 02 – December 08, 2022 (Thursday)		
Time	Program	
08:30 AM	Registration Starts	
08:40 AM	Guests to be Seated	
09:00 AM	Event Starts	
09:05 AM	Keynote Talk: Visual Servoing of Robots Prof. Dr. Wang Hesheng, Shanghai Jiao Tong University, Shanghai, China	
	SESSION-III: PV, EV, Batteries and Renewable Energy Session Chair(s): Dr. Irfan Halepoto / Dr. Zubair Venue: Video Conference Hall, IIT Building	SESSION-IV: Computer Science Session Chair(s): Prof. Dr. Farida Memon / Dr. Bushra Venue: Embedded System Design Lab, IIT Building
09:30 AM	Paper ID 140: Power Generating Shock Absorber for Vehicles Using Thermopile	Paper ID 180: Mutually Guided Image Dehazing
09:45 AM	Paper ID 100: The Development of Solar Powered Carport Canopies for the Charging Infrastructure of Electric Vehicles	Paper ID 166: Sentiment Analysis on Hydroponic Technology Application for Urban Farming Limitations
10:00 AM	Paper ID 136: Control and Coordination of Multiple PV Inverters in Power Distribution Network using Multi Agent Deep Reinforcement Learning	Paper ID 137: Serverless Video Analysis Pipeline for Autonomous Remote Monitoring System
10:15 AM	Paper ID 98: Technological, Financial and Ecological Analysis of Photovoltaic Power System using RETScreen	Paper ID 181: Lungs Fluid Accumulation Detection Using Microwave Imaging Technique

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10:30 AM	Paper ID 123: Hybrid Charging Station for Multiple EVs through RES Performing V2G and G2V Operations	Paper ID 148: Advanced Audio Aid for Blind People
10:45 AM	Paper ID 157: Economic and environmental analysis for different scenarios of grid-connected Solar PV-based EV charging Station facility using Homer Grid	Paper ID 171: Usability Evaluation of University Websites in Pakistan through User Testing
11:00 AM	Paper ID 124: Estimating State of Charge and State of Health of Electrified Vehicle Battery by Data Driven Approach: Machine Learning.	
11:15 AM	Paper ID 159: Techno-Economic Evaluation of On-Grid Battery Energy Storage System at Peshawar using Homer Pro	
11:30 AM	TEA BREAK	
12:00 PM	Keynote Talk: Innovations in Optical Signal Processing Technologies Dr. Bhagwan Das, Quaid-e-Awam University of Engineering, Science and Technology, Nawabshah	
	SESSION-V: AI, ML and DL Session Chair(s): Dr. Zafi Shehran Shah/Dr. Sanam Narejo/Dr. Shoaib R. Soomro Venue: Video Conference Hall, IIT Building	SESSION-VI: Health and Medical Related Devices Session Chair(s): Dr. Amjad Shah Venue: Embedded System Design Lab, IIT Building
12:30 PM	Paper ID106: Data Dimension Reduction makes ML Algorithms efficient	Paper ID 174: Using 3D Printing Technology To Develop Electromyography Signals Based Prosthetic Arm
12:45 PM	Paper ID 145: Detecting Appropriate and Inappropriate COVID-19 Face Mask Wear in Controlled Environments Using Transfer Learning-Based Convolutional Neural Network	Paper ID 151: Identification of Philippine Therapeutic Leave using Deep Learning

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01:00 PM	Paper ID 146: Deep Neural Network-Based Gender Identification for Surveillance Restroom Restriction System	Paper ID 85: Classification of Cardiovascular Disease Using 2D- Image Representations of Phonocardiogram Signals
01:15 PM	Paper ID 150: Implementation of Security Access Control using American Sign Language Recognition via Deep Learning Approach	Paper ID 107: Design and Fabrication of Force Augmenting Exoskeleton using Motion Intention Detection
01:30 PM	Paper ID 126: Regional Heatwave Prediction Using deep learning based Recurrent Neural Network	Paper ID 169: A Novel Approach to Predict and Classify the Mental State of Person using EEG-based Brain-Computer Interface
01:45 PM	Keynote Talk: Development of Nano hybrid materials for energy and environmental applications: An experimental perspective Dr Zafar Hussain, University of Sindh, Jamshoro	
02:00 PM	Paper ID 170: Smart Concrete Strength Measurement Device	
02:15 PM	Paper ID 182: Speech Emotion Recognition Using Deep Learning Hybrid Models	
02:30 PM	Paper ID 168: Classification and Prediction of Spam Emails Based on AI Enabling Models Using Deep and Machine Learning Techniques	
02:45 PM	Paper ID 163: 3D Human Reconstruction with Corresponding 3D Texture Model: A Comparison of Salient Approaches	
03:00 PM	Paper ID 153: Object Detection from 3D Point Cloud using Deep Learning	



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03:15 PM	LUNCH, NAMAZ AND TEA BREAK
	SESSION-VII: Circuits, Power Systems and Smart Grids Session Chair(s): Dr. Irfan Ahmed Halepoto Venue: Video Conference Hall, IIT Building
04:00 PM	Paper ID 177: Application of linear and nonlinear control schemes for the Stability of Smart Grid
04:15 PM	Paper ID 132: Performance Comparison of Outer and Inner Rotor Flux Reversal Machine for Direct Drive Application
04:30 PM	Paper ID 97: Adaptive Swarm Intelligence-Based Optimization Approach for Smart Grids Power Dispatch
04:45 PM	Paper ID 125: Analysis and Optimal Synchronization of Two Small Power Systems Through Double Circuit Long Transmission Line with DG Penetration
	CLOSING OF DAY 02

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Day 03 – December 09, 2022 (Friday)	
Time	Program
08:30 AM	Registration Starts
08:40 AM	Guests to be Seated
09:00 AM	Event Starts
09:05 AM	Keynote Talk: Chaotic Map Based Image Encryption Dr Jawad Ahmad, Edinburgh Napier University, UK
	SESSION-VIII: DEVICES and Opto-Electronics Session Chair(s): Dr. Fahim Aziz Umrani, Dr. Kehkashan Fahim Venue: Video Conference Hall, IIT Building
09:30 AM	Paper ID 86: Age-Based Ranking of YouTube Videos for Improved Parental Controls in Smart TV Environment
09:45 AM	Paper ID 93: Improved Characteristics of Deep Ultraviolet Light-Emitting Diodes by Using Quaternary Layer
10:00 AM	Concluding Ceremony
11:00 AM	TEA BREAK
11:30 AM	Paper ID 119: Enhancement of The Optoelectronic Performance of Yellow Light Emitting Diodes
11:45 AM	Paper ID 161: An Optimization in Conventional Shift & Add Multiplier for Area-Efficient Implementation On FPGA
12:00 noon	Paper ID 178: Increasing SoS Dependability by DevSecOps
12:15 AM	Keynote Talk: Increasing SoS dependability by DevOpsSeq Prof. Florin Popentiu, University Politehnica of Bucharest, Romania
	CLOSING OF DAY 03 and CONFERENCE