

INDUS UNIVERSITY
KARACHI, PAKISTAN


IMCERT
INTERNATIONAL MULTI-DISCIPLINARY
CONFERENCE IN EMERGING RESEARCH TRENDS

INTERNATIONAL MULTI-DISCIPLINARY CONFERENCE
IN EMERGING RESEARCH TRENDS

January 4-5, 2023

Conference Program
www.indus.edu.pk/imcert-2023/



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Day – 1: Wednesday January 4, 2023

09:00 AM	Registration
10:00 AM	Chief Guest Arrives
10:05 AM	Tilawat-e-Quran Hakeem
10:10 AM	National Anthem
10:15 AM	Welcome Address: Prof. Dr. Syed Zafar Nasir
10:20 AM	Conference Briefing: Chair IEEE Karachi Section
10:30 AM	Address by the Chief Guest
10:40 AM	Distribution of Souvenirs to Chief Guest
10:50 AM	Plenary Talk 1: Autoregressive Models vs State Space Models vs Recurrent Neural Networks: A Time Series Forecasting Perspective, Dr. Tariq Mahmood
11:20 AM	Plenary Talk 2: Quantum Security: Opportunities and Challenges in Cyber security, Dr. M. Mubashir Khan
11:50 AM	tea break
12:20 PM	Plenary Talk 3: Optimal Planning of Distribution System with High Penetration of Renewable Generations, Dr. Mahesh Kumar
12:50 PM	Plenary Talk 4: Commercialization hurdles for thin film perovskite solar cells Dr. Danish Khan
01:20 PM	Distribution of Souvenirs to Plenary Speakers
01:30 PM	Lunch & Prayer

Technical Sessions: 1-A: ML, AI and IoT

02:30 PM	Keynote Address 1: Internationalization of quality assurance vs. quality assurance of internationalization: un-tapping the potential of international education through quality assurance Dr. Fabrizio Trifiro
03:00 PM	Rain Predictive Model using Machine learning Techniques, NED, Karachi
03:20 PM	Assessment of Advanced Artificial Intelligence Techniques for Flood Forecasting, King Mongkut's University of Technology Thonburi, Thailand
03:40 PM	Comparative analysis of deep learning methods in the realm of sentiment Analysis, Indus University, Karachi
04:00 PM	An Assessment on Internet of Things (IoT), Bahria University, Karachi
04:20 PM	Q/A, Distribution of Souvenirs to Speakers, Session Chairs

Technical Sessions: 1-B: Communications

02:30 PM	Keynote Address 2: IMF Objectives and Lending Impact on Developing Economies- Pakistan. Dr. Habib ur Rehman
03:00 PM	Analyzing Doppler Effects in Millimeter Wave VANET Communications Using BCH Coding, Bahria University, Karachi
03:20 PM	Multi-feature Integration with Adaptive Learning Based Correlation Filter for Visual Object Tracking, UET, Taxila
03:40 PM	Performance Metrics of Rake Receivers, Bahria University, Karachi
04:00 PM	Q/A, Distribution of Souvenirs to Speakers, Session Chairs

Day – 2: Thursday January 5, 2023

09:00 AM	Registration
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Technical Sessions: 2-A: Machine Learning (ML)

09:00 AM	Customer Segmentation using Machine learning Techniques, NEDUET, Karachi
09:20 AM	Temperature Prediction by Gene Expression Programming, King Mongkut's University of Technology Thonburi, Bangkok, Thailand
09:40 AM	Prediction of IMDB Score & Movie Success By using the Facebook, IBA, Sukkur

10:00AM	Fake Review Classification by Deep Learning
10:20 AM	Semantic Social Searching-An Ontology Based Approach, IBA, Sukkur
10:40 AM	Q/A, Distribution of Souvenirs to Speakers, Session Chairs

Technical Sessions: 2-B: MIMO

09:00 AM	Keynote Address 3: Fostering Linkage between Medicine and Engineering for Better Healthcare, Dr. Muhammad Aslam
09:30 AM	Investigation of MPC for MIMO system in presence of both input and output constraints with relative parametric variation, Superior University, Lahore
09:50 PM	MIMO Antenna for C-band Applications, UET, Taxila
10:10 AM	A Real-time Sequence Based Human Activity Detection System, COMSATS, Abbottabad
10:30 AM	5 x 5 MIMO Antennas for Future 5G mm-Wave Communication, UET, Taxila
10:50 AM	Q/A, Distribution of Souvenirs to Speakers, Session Chairs
11:00 AM	Tea Break

Technical Sessions: 3-A: Deep Learning

11:30 AM	Network Attack Detection in IoT using Artificial Intelligence, Muhammad Ali Jinnah University, Karachi
11:50 AM	Examining Malware Patterns in Android Platform using Sufficient Input Subset (SIS),
12:10 PM	Impact of Computer Gaming Addiction on Body Mass Index - A Quantitative Investigation about Sukkur City of Pakistan, IBA, Sukkur
12:30 PM	Skin Cancer Prediction using Deep Learning Techniques, UET, Taxila
12:50 PM	Hybrid Approach using Extreme Gradient Boosting (XGBoost) and Evolutionary Algorithm for Cancer Classification, NTU, Faisalabad
01:10 PM	Q/A, Distribution of Souvenirs to Speakers, Session Chairs

Technical Sessions: 3-B: Control and Quality of Education

11:30 AM	Design and Control of a Bionic Leg, GIK, Topi
11:50 AM	Magnetic Anomaly-Based Detection of a Submarine, PIEAS, Islamabad
12:10 PM	Implementation of SVPWM based Multilevel Three Phase Inverter to Reduce THD, Superior University, Lahore
12:30 PM	Design and Development of Die Sink Electrical Discharge Machine for Melting Point and Removal Rate of Materials, UET, Lahore
12:50 PM	MOOCs and their contribution to the continuous development of high school teachers, Universidad Tecnológica del Perú, Lima, Perú
01:10 PM	Q/A, Distribution of Souvenirs to Speakers, Session Chairs
1:30 PM	Lunch & Prayer

Closing Ceremony

2:30 PM	Guests to be seated
2:30 PM	Keynote Address 4: Trends in higher education quality assurance, Dr. Jeanette Baird, Australia
3:00 PM	Panel Discussion: 'How to Create Jobs'
04:00 PM	Chief Guest Arrives
04:05 PM	Tilawat e Quran e Hakim
04:10 PM	National Anthem
04:15 PM	Vote of Thanks by Chair, Conference Organizing Committee
04:20 PM	Closing Remarks: V. Chair IEEE Karachi Section
04:30 PM	Address by the Chief Guest
04:40 PM	Souvenir Distribution



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Gulshan e Iqbal, Indus University
UAN: (92-21) 111-400-300 x327
Website: www.indus.edu.pk
Email: oric@indus.edu.pk