

Day 1– 20th May 2021

Time	Room A	Room B	Room C	Room D
9:30 - 10:30 AM	<p align="center">Opening Ceremony Chief Host and Steering Committee Chair: Pro-Rector RIC Chief Guest: Dr. Rizwan Younis (CTO Zong) Chair IEEE Islamabad Chapter Dr. Uzair Khan General Chair: Dr. Osman Hasan (Principal SEECS)</p> <p align="center">Join HERE</p>			
11:00 AM - 1:00 PM	<p>Session 1: Medical Image Processing and Health Care</p> <p align="center">Join HERE</p>	<p>Session 2: Neural Networks and Applications</p> <p align="center">Join HERE</p>	<p>Session 3: Power Electronics and Control</p> <p align="center">Join HERE</p>	<p align="center"><u>Huawei Poster Competition</u></p> <p align="center">Join HERE</p>
11:00 - 11:30 AM	<p>INVITED TALK Speaker: Dr. Floriano Scioscia Topic: "Towards a Semantic Web of Everything"</p>	<p>INVITED TALK Speaker: Prof. Dr. Junaid Qadir Topic: "AI's Governance and Ethical Dilemmas"</p>	<p>INVITED TALK Speaker: Dr. Ammar Hassan Topic: "Model Predictive Control of Power Electronic Converters"</p>	
11:35 - 11:50 AM	<p>Paper ID: 67 "A Deep Convolutional Neural Network based Framework for Pneumonia Detection"</p>	<p>Paper ID: 116 "Feature Attention Network for Simultaneous Nuclei Instance Segmentation and Classification in Histology Images"</p>	<p>Paper ID: 171 "Tuning of PID Controller using Whale Optimization Algorithm for Different Systems"</p>	
11:55 AM - 12:10 PM	<p>Paper ID: 208 "Attention Based Residual Network for Effective Detection of COVID-19 and Viral Pneumonia"</p>	<p>Paper ID: 90 "A Novel Artificial Neural Network (ANN) Using The Mayfly Algorithm for Classification"</p>	<p>Paper ID: 203 "CSOA-based residential energy management system in smart grid considering DGS for demand response"</p>	
12:15 - 12:30 PM	<p>Paper ID: 104 "Multiscale Unified Network for Simultaneous Segmentation of Nerves and Microvessels in Histology Images"</p>	<p>Paper ID: 113 "Large Scale Face Recognition In the Wild: Technical Challenges and Research Directions"</p>	<p>Paper ID: 218 "PV Fed Battery + Ultra-Capacitor Based Hybrid Energy Storage for Powering Marine Loads"</p>	
12:35 - 12:50 PM		<p>Paper ID: 115 "Leveraging Supervised Machine Learning Techniques for</p>	<p>Paper ID: 136 "Motor Speed Synchronization of Mobile Robot using PID Controller"</p>	

		Identification of Malaria Cells using Blood Smears"		
1:00- 2:00 PM	Lunch and Prayer Break			
2:00 - 5:00 PM	Session 4: Audio/Speech and Natural Language Processing Join HERE	Session 5: Cyber Security and Digital Forensics Join HERE	Session 6: Applications of Machine Learning Join HERE	Huawei Poster Competition Join HERE
2:00 - 2:30 PM	INVITED TALK Speaker: Prof. Dr. Adrian Ulges Topic: "AMIGO - Automatic Indexing of Lecture Footage"	INDUSTRY SESSION Acet Solutions Speaker: Mubarik Mustafa Senior OT Cybersecurity Consultant Acet Solutions Topic: "Industrial Cybersecurity - Challenges & Opportunities"	INDUSTRY SESSION KeepTruckin Speaker: Ali Rehan Engineering Manager, AI/Vision Products Speaker: Ali Hassan Tech Lead and Manager (Computer Vision and Machine Learning)	
2:35 - 2:50 PM	Paper ID: 165 "Speech Quality Assessment using Mel Frequency Spectrograms of Speech Signals"			
2:55 - 3:10 PM	Paper ID: 181 "Fine Tuning BERT for Unethical Behavior Classification"			
3:15 - 3:30 PM	Paper ID: 161 "Smart Wheel Chair- An Implementation of Voice and Android Controlled System"	Paper ID: 27 "A Novel Fog-based Framework for Preventing Cloud Lock-in while Enabling Searchable Encryption"	Paper ID: 175 "Sentiment Analysis on COVID Tweets: An experimental analysis on impact of Count Vectorizer and TF-IDF on sentiment predictions using Deep Learning Models"	
3:35 - 3:50 PM	Paper ID: 133 "Transfer Learning Grammar for Multilingual Surface Realisation"	Paper ID: 126 "Towards a distributed ledger based verifiable trusted protocol for VANET"	Paper ID: 114 "Diagnose A Disease: A Deep Learning based eHealth Framework for Disease Diagnosis and Prognosis in Integrated Fog Computing Environments"	

3:55 - 4:10 PM	Paper ID: 176 "A Survey of Sentiment Analysis of Internet Textual Data, and Application to Pakistani YouTube User Comments"	Paper ID: 64 "Performance Analysis of Blackhole and Wormhole Attack in MANET Based IoT"	Paper ID: 128 "Applications of Machine Learning in Digital Forensics"	
3:55 - 4:10 PM				

Day 2 - 21st May 2021				
Time	Room A	Room B	Room C	Room D
10:00 AM - 1:00 PM	Session 7: Computer Vision and Applications - I Join HERE	Session 8: Deep Learning and Applications Join HERE	Session 9: Knowledge Discovery & Predictive Data Analytics Join HERE	<u>Huawei Poster Competition</u> Join HERE
10:00 - 10:30 AM	INVITED TALK Speaker: Dr Muhammad Shahzad Topic: "Visual Object Detection: A Retrospective & Recent Trends"	INVITED TALK Speaker: Rasheed Hussain Topic: Rethinking Application Programming Interface (API) Security"	INVITED TALK Speaker: Prof. Xiangjie Kong Topic: "Mobile Crowdsourcing: Towards Smart Cities"	
10:35 - 10:50 AM	Paper ID: 204 "NLP meets Vision for Visual Interpretation - A Retrospective Insight and Future directions"	Paper ID: 100 "Plant Disease Identification Using Transfer Learning"	Paper ID: 103 "Predicting Most Influential Paper Award Using Citation Count"	
10:55 - 11:10 AM	Paper ID: 66 "A Refined Approach for Classification and Detection of Melanoma Skin Cancer using Deep Neural Network"	Paper ID: 149 "Performance analysis of deep learning frameworks for Covid 19 detection"	Paper ID: 193 "CURE: Collection for Urdu Information Retrieval Evaluation and Ranking"	
11:15 - 11:30 AM	Paper ID: 185 "Deep Learning Based Land Cover and Crop Type Classification: A Comparative Study"	Paper ID: 219 "A Survey of Deep Neural Network in Acoustic Direction Finding"	Paper ID: 167 "COVID-19: Future Preference of University Students to Promote Online Education in Pakistan"	
11:35 - 11:50 AM	Paper ID: 123 "Deep Learning for Face Detection: Recent Advancements"	Paper ID: 177 "From Transformers to Reformers"	Paper ID: 95 "Affinity based scheduling Using Bayesian Model and Load Balancing in Multicore Systems"	

11:55 AM - 12:10 PM	Paper ID: 212 "Group Activity Recognition in Visual Data: A Retrospective Analysis of Recent Advancements"	Paper ID: 117 "High-Resolution Remote Sensing Image Classification through Deep Neural Network"	Paper ID: 63 "Space Air Ground Integrated Network: Coverage for Accident Monitoring"	
12:15 - 12:30 PM				
1:00-2:00 PM	Lunch and Prayer Break			
2:00 - 4:00 PM	Session 10: Machine Learning Join HERE	Session 11: Computer Vision and Applications - II Join HERE	Session 12: Automated Problem Solving Join HERE	Huawei Poster Competition Join HERE
2:00 - 2:30 PM	INVITED TALKS Speaker: Prof. Dr. Marcus Liwicki	INVITED TALKS Speaker: Dr. Ulrich Schwanecke Topic: "Aerial Photography with Unmanned Aerial Vehicles"	INDUSTRY SESSION Huawei Speaker: Mr. Mursleen Hyder Senior Solution Architect Topic: "Autonomous Driving Network"	
2:35 - 2:50 PM	Paper ID: 97 "Multiple Solutions Based Particle Swarm Optimization for Cluster Head Selection in Wireless Sensor Network"	Paper ID: 168 "Feature Learning Capacity Assessment of DCGAN Discriminator for Action Recognition in a Self Supervised Framework"	Paper ID: 31 "Classy AA-NECTAR: Personalized Ubiquitous E-Learning Recommender System with Ontology and Data Science Techniques"	
2:55 - 3:10 PM	Paper ID: 220 "Machine Learning for Performance Enhancement in Fronthaul Links for IOT Applications"	Paper ID: 118 "Application of deep learning for weapons detection in surveillance videos"	Paper ID: 146 "Formal Modeling and Automation of E-Payment Smart Parking System"	
3:15 - 3:30 PM	Paper ID: 92 "Classification of Deepfake videos using pre-trained convolutional neural networks"	Paper ID: 119 "Rotation aware object detection model with applications to weapons spotting in surveillance videos"	Paper ID: 148 "Blockchain-based Formal Modeling of Patient Management in Hospital Emergency System"	
3:35 - 3:50 PM		Paper ID: 120 "IAB-Net Informative and Attention Based		

Person Re-
Identification"

4:00 - 5:00
PM

Closing Ceremoy

Keynote Talk: Mr. Adnan Zafar, Director Network Solutions (Huawei)

"Intelligent Network Operations using AI"

General Chair: Dr. Osman Hasan (Principal SEECs)

Chief Guest: Mr. Shahzad CTO Huawei

Huawei Poster Competition Results Announcement

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