

2019 Second International Conference on the Latest Trends in Electrical Engineering and Computing Technologies (INTELLECT 2019)

Wednesday 13th November 2019 (Day 1)

9:00 AM	On Site Registration Opens		
	Opening Ceremony		
9:45 AM	Guests to be seated		
10:00 AM	Chief Guest Arrival		
10:01 AM	Tilawat e Quran Hakeem		
10:05 AM	Opening Address (Director CoE, Najeeb Jafri)		
10:10 AM	Welcome Address AVM (retd) Tubrez Asif (President PAF-KIET)		
10:15 AM	Conference Brief (Dr Shahid Shaikh, Chair IEEE Karachi Section)		
10:20 AM	Vote of Thanks (Dr Sameer Qazi)		
	Plenary Talk 1 Dr. Daniel Ziener University of Twente, The Netherlands		
10:25 AM	Title of talk: "Adaptive Digital Circuits – Increasing Efficiency, Reliability, Security, and Flexibility"		
	Plenary Talk 2 Dr. Syed Arsalan Jawed Head of Department & Professor, KIET		
10:55 AM	Title of Talk: "Monolithic Bio Microsystems in CMOS Technology"		
11:25 AM	Address by Chief Guest		
11:35 AM	Distribution of Soveniers to Chief Guest and Plenary Speakers		
11:55 AM	Group Photo		
12:00 PM	Tea Break (30 minutes)		
12:30 PM	Departure of Chief Guest		
	Plenary Talk 3 Prof. Dr. Muhammad Shafique Vienna University of Technology, Austria		
12:35 PM	Title of Talk: "Security for Machine Learning: Do You Trust the Intelligence Features of Your Smart Cyber Physical Systems and Internet-of-Things?"		
	Plenary Talk 4 Prof. Dr. Ahmed Shuja Syed International Islamic University, Islamabad, Pakistan		
1:05 PM	Title of Talk: "Energy applications of nanoelectronics and photonics- From solar cells to supercapacitors"		
1:35 PM	Lunch and Zuhr Prayers Break		
	Technical Sessions		
	Technical Session 1 "Control & Automation " Rm 45	Technical Session 2 "Micro Electronics Rm 46	Technical Session 3 "Embedded Systems" Rm 36
	Session Chairs: Dr Imtiaz Hussain (DSU)	Session Chairs: Dr Bilal. M. Khan (PNEC-NUST)	Session Chairs: Dr Daniel Ziener (UT, Netherlands & Dr Muhammad Shafique, Vienna
2:30 PM	<i>Comparison of different techniques for experimental modeling of a Quadcopter , Bushra Shaikh, Tooba Hai and Muhammad Bilal Kadri</i>	KeyNote (via skype): Dr Andrea M Tonello University of Klagenfurt, Austria Title of talk: "The role of communication, localization and control in UAV systems"	<i>A Novel Approximate Adder Design Methodology with Single LUT Delay for Fault-tolerant FPGA-based Systems , Tauha Nomani and Mujahid Mohsin</i>
2:55: PM	<i>Adaptive fuzzy control for twin rotor helicopter stabilization , M. Hassan Younis and Raheel Quraishi</i>	<i>Signal Processing Implementation for Multichannel Sensor Arrays using COTS based Systems , Umar Hamid, Shahid Ali and Syed Ali Abbas</i>	<i>Low Power Pre-comparison Configuration Strategy for a Logic-based Binary CAM on FPGA , Najib Ur Rehman, Omer Mujahid, Muhammad Irfan, Abdul Hafeez, and Zahid Ullah</i>
3:20 PM	<i>Adaptive Model Predictive Control for a Class of Nonlinear Single-Link Flexible Joint Manipulator , Muhammad N. Hasan, Muhammad Haris, Syed Jahanzeb H. Pirzada and Shiyin Qin</i>	<i>Sensors For Structural Health Monitoring: A Review , Zain Hussain Warsi, Muhammad Aaqib Shahbaz, Fahd Khan, Muhammad Junaid Jabbar and Syed Usman Amin</i>	<i>Low Cost 3D Printing for Rapid Prototyping and its Application , Taha Hasan Masood Siddique, Iqra Sami, Malik Zohaib Nisar, Mashal Naeem, Abid Karim and Muhammad Usman</i>
3:45 PM	<i>Autonomous Attitude Control for VTOL MAV through Artificial Neural Networks , Ussama Maqbool, Tuaha Nomani and Hassan Talat</i>	<i>Design and implementation of smart metering device using specialized IC ADE-7753 and its integration with web server for smart grid , Farah Sabir, Muhammad Arslan Chohan and Bilal Pirzada</i>	<i>The Parallel CMAC Synthetic Initialization Vector Algorithm Implementation on FPGA , Syed Jahanzeb Hussain Pirzada, Abid Murtaza, Muhammad N. Hasan, Tongge Xu and Liu Jianwei ,</i>
4:10 PM	<i>Output Current Control of Modular MultiLevel Converter Using BackStepping Controller , Muhammad Ishfaq and Hee Je Kim</i>	<i>A Novel Approach for UWB Passive Direction Finding using 6 Port Network , Bilal Habib, Mujahid Mohsin, and Muhammad Shoab Arif</i>	
4:35 PM	Sight Seeing / Excursion		

Contd..

Thursday 14th November 2019 (Day 2)			
9:00 AM	On Site Registration Opens		
Technical Sessions			
	Technical Session 4 "Information Processing 1" Rm 45	Technical Session 5 " Comm. & Netw. 1 " Rm 46	
	Session Chair: Dr Mobeen Movania (HoD CS, DSU)	Session Chairs: Dr Imran Aslam (NED), Dr Asim Wagan (Dean, MAJU)	
9:30 AM	KeyNote Speech: Dr. Mobeen Movania Title "Physically based Volume Rendering on the GPU"	KeyNote: Dr Asim Wagan (Dean, MAJU) Title "On the Boundaries of AI and Quantum Computing"	Workshop on "Software Defined Radio" Conduct By M. Mustaqim in C & D Lab II
9:55 AM	<i>Intelligent Fault Diagnosis of Rotating Machines using Artificial Neural Networks , Madiha Tanveer and Syed Adeel Abdullah</i>	<i>Securing Software Defined Networks: On Feasibility of Network Behaviour Profiling , Taimur Bakhshi</i>	
10:20 AM	<i>Analyzing Image Focus using Deep Neural Network for 3D Shape Recovery , Mikhail Li, Husna Mutahira, Bilal Ahmad and Mannan Saeed Muhammad</i>	<i>Earth horizon sensor for attitude determination of LEO satellites , Saniya Zafar, Haroon Ibrahim and Khurram Khurshid</i>	
10:45 AM	<i>Quantum Calculus-based Volterra LMS for Nonlinear Channel Estimation , Muhammad Usman, Muhammad Sohail Ibrahim, Jawwad Ahmed, Syed Saiq Hussain, and Muhammad Moinuddin</i>	<i>Intrusion Detection System in Wireless Sensor Networks: A Comprehensive Survey , Yumna Farooq, Hira Beenish and Muhammad Fahad</i>	
11:10 AM	<i>Deep Learning Based Beam Allocation in Switched-Beam Multiuser Massive MIMO Systems , Hafiza Palwasha Tauqir and Aamir Habib</i>		
11:35 AM	Tea Break (25 minutes)		
Technical Sessions			
	Technical Session 7 "Software Engineering" Rm 45	Technical Session 8 "MicroWave and Antenna" Rm 46	Technical Session 9 "Information Processing 2" Rm 36
	Session Chair: Dr Husain Parvez	Session Chair: Dr Syed Nazir Alam (PNEC- NUST)	Session Chair: Dr Ghazanfar Monir (MAJU)
12:00 PM	<i>An Augmented Reality Shooting Game , Muhammad Talha Abid, Muhammad Sufyan, Akmal Elahi Shaikh, Safeer Muammad Siddique and Shaheena Noor</i>	<i>Compact Microstrip Patch Antenna Array Design for 5G Wireless Communication , Zeeshan Ahmed, Syed Bilal Tirmizi and Mir Lodro</i>	KeyNote: Dr Ghazanfar Monir (MAJU), Title "Computer Vision - The past, the present and the future"
12:25 PM	<i>Problems and Vulnerabilities of Ethical Hacking in Pakistan , Muhammad Imran, Muhammad Faisal and Noman Islam</i>	<i>Design and analysis of dual-band microstrip patch antenna array for 5g cellular communication networks with improved radiation characteristics , Syed Misbah Un Noor and Dr Irfan Khattak</i>	<i>A Systematic Survey, Classification and Analysis of Stegano-Encryption Techniques for Medical Images , Faizana Naeem , Zainab Nisar and Tuaha Nomani</i>
12:50 PM		<i>A Compact Wide Band Implantable Antenna for Biotelemetry , Naeem Abbas, Bilal Manzoor, Muhammad Yousaf, Muhammad Zahid, Zubair Bashir, Adeel Akram, and Yasar Amin</i>	<i>Convolutional Neural Network based Regression for Leaf Water Content Estimation , Rida Nasir, Muhammad Jaleed Khan, Muhammad Arshad and Khurram Khurshid</i>
1:15 PM		<i>Design and Characterization of a Slot based Patch Antenna for Sub-6 GHz 5G Applications , Qudsia Amjad, Areeba Kamran, Fareah Sameen and Rashid Karim</i>	<i>A Comparative Study of Machine Learning Algorithms for Controlling Torque of Permanent Magnet Synchronous Motors through a Closed Loop System , Ahmad Bilal, Asad Waheed and Muhammad Hassan Shah</i>
1:40 PM	Lunch Break and Zuhr Prayers		
2:30 PM	Closing Ceremony		
2:45 PM	Guests to be seated		
3:00 PM	Chief Guest Arrival		
3:01 PM	Tilawat e Quran Hakeem		
3:05 PM	Plenary Talk 5 Professor Dr. Shahid Shaikh Habib University, Karachi, Pakistan Title of the talk: "Stochastic Optimal Control and Reinforcement Learning"		

	Plenary Talk 6 Professor Dr Aamir Hasan Habib University, Karachi, Pakistan
3:35 PM	Title of the talk: "Modeling Geometry of Ad Hoc Networks"
	Plenary Talk 7 Azhar Rizvi
4:05 PM	Title of the talk: "Academia Industry Linkage"
4:35 PM	Closing Remarks (Dr Shahid Shaikh, Chair IEEE Karachi Section)
4:40 PM	Vote of Thanks (Dir CoE Najeeb Jafri)
4:45 PM	Prize Distribution
4:50 PM	Distribution of Souvenirs to Chief Guest and Plenary Speakers
5:00 PM	Address by Chief Guest
5:10 PM	Tea and Light Refreshments