

2017 First International Conference on the Latest Trends in Electrical Engineering and Computing Technologies (INTELLECT 2017)

Wednesday 15th November 2017 (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, Najeed Jafri)		
10:10 AM	Welcome Address AVM (ret'd) Tubrez Asif (President PAF-KIET)		
10:15 AM	Conference Brief (Dr Bhawany S. Chowdhry, Chair IEEE Karachi Section)		
10:20 AM	Vote of Thanks (Dr Sameer Qazi)		
10:25 AM	GSSE Presentation by Dr Muzaffar Mahmood (Dean PAF-KIET)		
	Plenary Talk 1 Dr. Zhi-Gong Wang (SouthEast University, China)		
10:30 AM	"Microelectronic Neural Bridges and Electromyographic Bridges for Motor Function Rebuilding of Paralyzed Limbs"		
	Plenary Talk 2 Dr. Dil Muhammad Akbar Hussain (Aalborg University, Denmark)		
11:00 AM	"Potentials of Renewable Energy in Pakistan"		
11:30 AM	Tea Break (30 minutes)		
	Plenary Talk 3 Dr Azlan Mohd Zain (Universiti Teknologi, Malaysia)		
12:00 PM	"Current Trends in Soft Computing for solving Engineering Problems"		
	Plenary Talk 4 Dr Junaid Qadir, (ITU, Lahore)		
12:30 PM	"Big Data for Development"		
1:00 PM	Address by Chief Guest		
1:10 PM	Distribution of Soveniers to Chief Guest and Plenary Speakers		
1:20 PM	Lunch and Zuhr Prayers Break		
	Technical Sessions		
	Technical Session 1 "Control & Automation 1 " Rm 45	Technical Session 2 "Micro Electronics Rm 46	Technical Session 3 "Embedded Systems" Rm 47
	Session Chair Dr Muhammad Bilal Kadri, HoD Mechatronics, PAF-KIET	Session Chair Dr Arsalan Jawed, HoD Avionics, PAF-KIET	Session Chair Dr Husain Parvez, HoD Electrical, PAF-KIET
2:30 PM	<i>Comparison of two different model free fuzzy control architectures based on inverse plant modeling , Sofia Yousuf and Bilal Kadri</i>	KeyNote Speech Dr Tariq, Mehran Unversity of Engineering and Technology	<i>Output Regulation of Class of Non-Linear framework with Non-Linear Exosystems utilizing Servomechanism , Bilal M Yousuf, Giga Maham Ghauri and Neel Kanwal</i>
2:55: PM	<i>A Neuro-Adaptive Inverse Speed Control Mechanism for Separately Excited DC Motor with Nonlinearities , Salaheen Aftab and Fakhra Aftab</i>	<i>Process and Temperature Invariant On-Chip Current Reference Circuit , Yasir Siddiqi, Naveed Ahmed, M. Aaqib Shahbaz and Syed Arsalan Jawed</i>	<i>BIPATRON (Bionic Parageliatron)... Let's walk! , S. Raza Abbas Jafri, Moutasim Billah Ahnaf Abbasi, S. Muhammad Usman Ali Shah, Adil Hanif and Muhammad Usman</i>
3:20 PM	<i>A Comparative Assessment of Scalar Controlled Induction Motor using PI, FLC based on SD, and Adaptive Sliding Mode Controllers , Kamran Zeb, Waqar Uddin, Aun Haider, Ayesha Bibi, M. A. Bibi and H. J. Kim</i>	<i>Design and Analysis of CMOS MEMS Based Single Proof Mass Tri-axial Capacitive Accelerometer with Readout Integrated Circuit , Muhammad Aaqib Shahbaz, Zain Hussain Warsi, Shahzadi Mahaa Irshad, Shahzada Tahaa Irshad and Arsalan Jawed</i>	<i>Optmizing Routing Network of Shared Hardware Design for Multiple Application Circuits , Mazhar Iqbal and Husain Parvez</i>
3:45 PM	<i>Towards Autonomous Cleaning of Photovoltaic Modules: Design and Realization of a Robotic Cleaner , Masood Ul Hassan, Muhammad Ibtisam Nawaz and Jamshed Iqbal</i>	<i>Design of a Compact UWB Patch Antenna having Rectangular Parasitic Elements for UWB and Bluetooth Applications , Muhammad Sajid Iqbal and and Syed Awais Wahab Shah</i>	<i>Logic algebra for exploiting shared SRAM-table based FPGA for large LUT inputs , Ali Asghar, Muhammad Mazher Iqbal, Waqar Ahmed, Mujahid Ali, Husain Parvez and Muhammad Rashid</i>
4:10 PM	<i>Design and simulation of ABS based on Electromagnetic damping phenomena , Irfan Ullah Khan, Dr. Imtiaz Hussain, M. Zaigham Abbas Shah, Kamran Kazi, Aamir Ali Patoli</i>	<i>A 200MHz Wireless Power Transfer System with Regulated Reconfigurable Rectifier and Backscattering Communication using Varactor , Ayesha Hassan, Asma Mahar, Naveed Naveed, Yasir Siddiqi and Syed Arsalan Jawed</i>	<i>Extended meta-model for Service-Oriented Development of Embedded Real-time Systems , Muhammad Aziz and and Muhammad Rashid</i>
4:35 PM	Sight Seeing / Excursion		

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Thursday 16th November 2017 (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	Technical Session 6 "Control and Automation 2" Rm 47
	Session Chair , Dr Imran Naseem, Assoc Prof, PAF-KIET	Session Chair Dr Imran Aslam, Assoc Prof. NED University	Session Chair Dr Muhammad Ali Memon, Chairman Electrical Dept, NED University
9:30 AM	KeyNote Speech Dr Asim Wagan, Dean MAJU, Title: Engineering and Artificial Intelligence	KeyNote Speech Dr Hiro Takahashi, DHA Suffa Univerity Title: Personal Artificial Intelligence, PAI	KeyNote Speech Dr Fahim, Mehran Unviersity of Engineeing and Technology
9:55 AM	<i>Comparison of Feature Selection Methods in Text Classification on highly skewed Datasets , Muhammad Nabeel Asim, Muhammad Sajid Ali, Muhammad Wasim and Abdur Rehman</i>	<i>How Imperfect Orthogonality of Pilot Affects Channel Estimation and Data Recovery Techniques in Massive MIMO System , Muhammad Ahsan Shaikh, Valiuddin Abbas and M. Moinuddin</i>	<i>Analysis of Field Oriented Controlled AC Drive fed by a back-to-back three level NPC Converter , Rooh Ul Amin Shaikh and Hunzala Shaikh</i>
10:20 AM	<i>Feature Extraction of Garments Based on Gaussian Mixture Model for Autonomous Robotic Manipulation , , Abdul Attayyab Khan and Jamshed Iqbal</i>	<i>Singular Valued Differential Link Count Linear Estimator for Traffic Matrix of Large Cloud Computing Networks , Syed Muhammad Atif and Sameer Qazi</i>	<i>Modeling Micro-Hydro Generation Controls for the Performance Analysis Considering Power System Stability Using SIMULINK , Waqas Ali, Haroon Farooq, Atta Ur Rehman and Mohamed Farrag</i>
10:45 AM	<i>Design of Two-Dimensional Optimum Error Nonlinearities for Image Denoising , Muhammad Arif, Imran Naseem, Syed Safiuddin Qadri and Muhammad Moinuddin</i>	<i>Flying Ad-Hoc Networks (FANETS): A Review of Communication architectures, and Routing protocols , Muhammad Asghar Khan, Alamgir Safi, Ijaz Mansoor Qureshi and Inam Ullah Khan</i>	<i>Comparitive Study of Initial and Optimal Outer Rotor Permanent Magnet Flux Switching Machine for Downhole Application , Rajesh Kumar, Erwan Sulaiman and Md Zarafi Ahmad</i>
11:10 AM	<i>Quick Guided Artificial Bee Colony (QGABC) algorithm for Training Neural Networks on Classification and Prediction Tasks , Mohamed Benaida</i>	<i>An iBeacon based Real-time Context-Aware e-Healthcare System , Muhammad Baig and Taha Jilani</i>	<i>Output Feedback Control of TORA - A Benchmark Underactuated Nonlinear System , Nasir Khalid and Attaullah Memon</i>
11:35 AM	Tea Break (25 minutes)		
	Technical Sessions		
	Technical Session 7 "Software Engineering" Rm 45	Technical Session 8 "Comm. & Netw. 2" Rm 46	Technical Session 9 "Information Processing 2" Rm 47
	Session Chair Dr Bilal Muhammad Khan, Head of Post Graduate Program, PNEC-NUST	Session Chair Dr Nazeer Alam, PNEC-NUST	Session Chair Dr Ghanzafar Monir, HoD Electrical , MAJU
12:00 PM	<i>Virtual Reality as a Tool for Physical Training , Syed Faizan Ali, Syed Aaqib Azmat, Ahmed Ullah Noor, Hammad Siddiqui and Shaheena Noor</i>	KeyNote Speech Dr Muhammad Mobeen Movania, HoD CS, DHA Suffa Univerity Title: Computer Graphics A domain worth Exploring	KeyNote Speech Dr Ghazanfar Monir, HoD Electrical MAJU
12:25 PM	<i>Facebook Academic Group Opinion Analysis , Nisha Tanwani and Sandesh Tanwani</i>	<i>Modeling of IoT-based Border Protection System , Hamra Afzaal and Nazir Zafar</i>	<i>Integrating Hungarian and A* Search for Indoor Navigation of Hypermarkets , Syed Faraz Naqvi, Muhammad Ali Mehmood Dar and Humera Tariq</i>
12:50 PM	<i>Validation of Selecting SP-values for Fault Models under Proposed RASP-FIT Tool , Abdul Rafay Khatri, Ali Hayek and Josef Borcsok</i>	<i>Hybrid model of rule based and clustering analysis for big data security , Sheeraz Lighari and Dil Muhammad Akbar Hussain</i>	<i>State-Space Fractional-Least Mean Square Algorithm , Muhammad Arif, Imran Naseem and M. Moinuddin</i>
1:15 PM	<i>Framework of business intelligence systems for infrastructure design and management , Rabeeah Jaffari, Mohsin Memon, Tahseen Hafiz and Rabia Iftikhar</i>	<i>Smart Irrigation Care Unit , Atif Fareed, Dr.Ghazanfar Ullah Khan, Asad Hussain, Maisum Zaidi and Mirza Maaz Ur Rehman</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 Prof Dr Ahmed Shuja Syed, (Intl. Islamic Univ, Islamabad), "Device Manufacturing for IOT: Revisiting the Design, Material & Fabrication Matrix"		
3:35 PM	Plenary Talk 6 Dr Saad Azhar Ali (Universiti Teknologi PETRONAS, Malaysia) "Underwater Robotics: Latest Trends and Challenges"		
4:05 PM	Plenary Talk 7 Dr Zeeshan Khatri (Mehran Univeristy of Engineering and Tech.) "How can Nanofibers be pointing to the future of Pakistan?"		

4:35 PM	Plenary Talk 8 Tahir Mehmood Chaudhry (President Pakistan Insitute of Entrepreneurship) "Turnaround Management and Role of Digitization"
5:05 PM	Closing Remarks (Dr Bhawany Shankar Chowdhry, Chair IEEE Karachi Section)
5:15 PM	Closing Remarks (Dr Sameer Qazi)
5:20 PM	Address by AVM (retd) Tubrez Asif , President PAF-KIET
5:30 PM	Prize Distribution
5:40 PM	Address by Chief Guest
5:45 PM	Tea and Light Refreshments