

Conference Programme

The conference will be a two-day event comprising of inaugural and multiple technical sessions. The tentative programme of the conference is as follows:

Day1: 27th February 2018

09:00AM – 09:45AM	Registration		
<u>Inaugural Session (10:05AM - 11:45AM)</u> Venue: NED Main Auditorium			
09:55AM - 10:00AM	National Anthem		
10:00AM - 10:05AM	Recitation from the Holy Quran		
10:05AM - 10:15AM	Welcome Address by <i>Parton-In-Chief</i>		
10:15AM - 10:35AM	Talk by KE representative		
10:35AM - 11:05AM	Keynote Speech I <i>Prof. Dr. Uda Bin Hashim (Deputy Vice Chancellor, UniMAP, Malaysia)</i>		
11:05AM - 11:20AM	Topic: Nano Lab-on-Chip for Nano Sensing and Control of Oil Palm Disease in Agricultural Application.		
11:20AM - 11:25AM	Address by <i>Chief Guest</i>		
11:25AM - 11:30AM	Vote of Thanks by Conference Chair		
	Shield Distribution to Chief Guest and Sponsors		
Hi-Tea (11:30AM - 12:15AM)			
12:15AM - 12:45AM	Keynote Speech II <i>Dr. Jahanzeb Ahmad (Vision Design Engineer, Intel Corporation, UK)</i>		
12:45AM – 01:15PM	Topic: Field Programmable Gated Array's (FPGA) for Complex Processing and Low Latency Requirements.		
	Keynote Speech III <i>Imran Khan (Managing Director at Rapid Compute)</i>		
	Topic: Cloud as an Enabler of Acceleration and Innovation.		
<u>Lunch (01:15PM - 02:15PM)</u>			
	Venue: NED Main Auditorium		Venue: Civil AV Hall
02:15PM - 03:00PM	Guest Lecture I <i>Prof. Dr. Ted Johansson (Adjunct Professor, Linköping University, Sweden)</i>		02:15PM - 03:45PM <u>Entrepreneur Session I</u>
03:00PM - 03:45PM	Guest Lecture II <i>Dr. Hiro Takahashi (Associate Professor, DHA Suffa University, Pakistan)</i>		
	Topic: Power Efficient RF Power Amplifier		
	Topic: Artificial Intelligence.		
Tea Break (03:45PM – 04:15PM)			
	Venue: NED Main Auditorium		Venue: Civil AV Hall
04:15PM - 05:15PM	<u>Technical Session I</u> (Communication Technology)		04:15PM - 05:15PM <u>Entrepreneur Session II</u>

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Day2:28th February 2018

09:00AM –09:30AM	Registration		
	Venue: NED Main Auditorium	Venue: Civil AV Hall	Venue: CIS Lecture Hall
09:30AM - 11:00AM	<u>Technical Session II</u> (Signal Processing Session)	<u>White Paper Session</u>	<u>Technical Session III</u> (Machine Learning & Robotics)
<u>Tea Break (11:00PM – 11:30PM)</u>			
11:30AM – 12:00PM	United States Education Foundation Pakistan Session	<u>Technical Session V</u> (Internet of Things)	<u>Technical Session VI</u> (Electrical System and Renewable Energy)
12:00AM – 01:00AM	<u>Technical Session IV</u> (Integrated Circuits and Nano Technology)		
<u>Lunch (01:15PM - 02:15PM)</u>			
	Venue: NED Main Auditorium	Venue: Civil AV Hall	Venue: CIS Lecture Hall
02:00PM – 03:30PM	<u>Industrial Session I</u>	<u>Technical Session VII</u> (Communication Technology)	<u>Industrial Session II</u>
<u>Tea Break (03:30PM – 04:00PM)</u>			
<u>Closing Ceremony(04:00PM - 05:15PM)Venue: NED Main Auditorium</u>			
04:00PM - 04:30 PM	Keynote Speech IV <i>Dr. Arfan Ghani (Associate Professor Coventry University, United Kingdom)</i> Topic: The Future of Healthcare Electronics-Opportunities and Challenges.		
04:30PM - 05:00 PM	Keynote Speech V <i>Prof. Dr. Muhammad Hassan Sayyad (Dean FES, GIK Institute)</i> Topic: Organic Electronics and Photonic Devices: Materials, Designs, Fabrication, Characterization, Optimization and Research Needs.		
05:00PM - 05:10PM	Prize Distribution Ceremony		
05:10PM - 05:15 PM	Closing Words		

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Technical Session I (Communication Technology) 03:30PM- 05:30PM			
S. No.	Paper Title	Authors	Presenter
1	An Energy Efficient Dynamic Bandwidth Assignment Scheme for ITU Compliant	Rizwan Asalm butt, Waqar Ashraf, Muhammad Usman Ali Shah, M. Anwar	Rizwan Asalm butt
2	Cost Effective Long-Range IR Communication in Outdoor Environment	Sheena Melwani, Tahniat Hassan Khan, Ramla Kaleem Shah, Nimra Idrees and Dr. Muhammad Khurram	Sheena Melwani,
3	Light Fidelity Based on Road Communication and Market Driven Opportunities	M. Ahmed Arif, Rafae Iqbal, M. Umer	M. Ahmed Arif
4	Free Space Optical Communications: Channel Impairments & Applications	Altaf Ahmed, Amir Zeb Sheikh, Shabbir Ahmed, S.M Abbas Zaidi	

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Technical Session III (Machine Learning & Robotics) 09:30AM - 11:00AM			
S. No.	Paper Title	Authors	Presenter
1	Intelligent Domestic Water Resource Management and Logging System Using Machine Learning	Haris Bin Ashraf, Hamza Khalid, Bisma Sheikh, Arham Iqbal	Haris Bin Ashraf
2	Image Processing based Planning and Tracking of Differential Drive Robot	Agha M. Shakir, M. Zain-ul-Abideen, M. Ammar, S. Riaz Un Nabi	Agha M. Shakir
3	Delta Robotics Manipulator for industrial Application	Asif Memon, Riaz Un Nabi	Asif Memon
4	Emotion Recognition for Visually Impaired using Smart Cognitive Glasses	Afshan Anwar Ali, Syed Osama Zia and Shehzad Hasan	Afshan Anwar Ali

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Technical Session II (Signal Processing Session) 09:30AM - 11:00AM			
S. No.	Paper Title	Authors	Presenter
1	Study and Implementation of HEVC ENCODER on FPGA	Muhammad Saad Bin Riaz, Khurram	Muhammad Saad Bin
2	Hand Geometry Biometric - Using NIR Hand Images	Syed Aqeel Haider, S. M. Usman Ali Shah, Irfan Ahmed	Syed Aqeel Haider
3	Micro Controller Based Speech Recognition of Isolated Digits	IqraNaz, Javeria, Mahrukh, Parishah Bashir, Khurram	
4	Application of Digital Image Processing Algorithms for Automatic Segmentation of Liver: Review	Ayesha Adil Khan, Ghous Bakhsh	Ayesha Adil Khan

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Technical Session IV (Integrated Circuits and Nano Technology) 12:00AM – 01:00AM			
S. No.	Paper Title	Authors	Presenter
1	Physical Modelling and Simulation of AuZnO Schottky Diode	Hira Shumail, Sadia Muniza Faraz	
2	Synthesis Graphene Ink for Electrodes of Organic Solar Cell	Saman Masood, Maheen Mazhar & Sadia Muniza Faraz	
3	Power Efficient Negative Current Feedback OTA for Portable Biomedical Application	SalehaBano	
4	RTL2DEFF Automated Digital Design	Ashar Ali Qureshi, M Zeeshan Nazar, Bilal Iqbal, Syed M. Usman Ali	

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Technical Session V (Internet of Things) 11:30AM-01:00AM			
S. No.	Paper Title	Authors	Presenter
1	Green Internet of Things: Applications And Techniques For Energy Efficient Network	Hasan Rafae	Hasan Rafae
2	The Cellphone Reviver	Imran Ali khan, Hasan Ali, Shehryar Samad, Shahzaib Iqbal, Arham Iqbal	Imran Ali Khan
3	Device to Device Communication in Network, A survey	Hira Mariam ,M.Imran Aslam, Irfan Ahmed	Hira Mariam
4	Unmanned Fuel Dispensing System	Raza Abbas Jafri, S. M. Usman Ali Shah, Suleman Anthony, M. Hassan, Syed Taihmoor, Rabia Ikram	Raza Abbas Jafri

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Technical Session VII (Communication Technology) 02:00PM – 03:30PM			
S. No.	Paper Title	Authors	Presenter
1	Energy Efficient Heterogeneous Network based on throughput Measurement	MadihaAzhar, Amna Shabbir, Tahir Malik	MadihaAzhar
2	A Survey of Network Survivability Schemes for Optical Networks	M. Waqar Ashraf, Farabi Iqbal, Rizwan Aslam Butt, Sevia M. Idrus	
3	Space Weather Monitor to Detect Sudden Ionospheric Disturbances (SID)	Farheen, Waseem, Shriya Muhammad javed, Salik Hasan, Arham Iqbal	Farheen

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Technical Session VI (Electrical System and Renewable Energy) 11:30AM-01:00AM			
S. No.	Paper Title	Authors	Presenter
1	Design and Analysis of Load Switching Mechanism For Islanded Micro- Grids	Fawad Azeem, Ghous Bakhsh, S. M. Usman Ali Shah	Fawad Azeem
2	ARC Flash Energy Calculation	Aqsa Javed and Marium Ata	Aqsa Javed
3	Automation of Single DC Electric Drive using 3 Phase Supply	Shahroz Shabbir, Naqash khan, M. Usama Umer, S.M Usman Ali Shah	Shahroz Shabbir
4	Implementation and Design of Solar Tracking using FPGA	Asadullah Sheikh, Izhar Ahmed Sohu, Md Humayyun Kabir, Arsalan Ahmed Sohu, Asif Ahmed	

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ENTREPRENEUR SESSION I (02:15 PM-03:45PM)		
S. No.	Speaker	Title of Talk
1	Syed Atif Murtaza	Jet Set Go, The Launchpad to Success
2	Nabil Kalu	Consistency in Entrepreneurship
3	Abdul Samad	Live Your Dreams, Start Your Business
4	Zaid Pirwani	Karachi Robotics Club, An Engineer's Bazar

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INDUSTRIAL SESSION I (02:00PM – 03:30PM)		
S. No.	Speaker	Title of Talk
1	FaizanAadil	Control Systems in Process Industry
2	Areeb Zaidi	Scope of Electronic Engineer in National and International Market w.r.t. Employment

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ENTREPRENEUR SESSION II (03:45PM -05:15PM)		
S. No.	Speaker	Title of Talk
1	Bilal JavedGhumman	Entrepreneurship; Is This for You
2	Taniat Hasan Khan	The Journey from Project to Product
3	Wajahat Hussain Khan	Dream to Dare

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INDUSTRIAL SESSION II (02:00PM – 03:30PM)		
S. No.	Speaker	Title of Talk
1	SaweeraTazeen	
2	Sana Rizwan	Renewable Energy for Telecommunication System
3	Abdul Haq Mohiuddin	Required Skills for Professional Telecom Engineer

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White Paper Session (09:30AM - 11:00AM)			
S. No.	Paper Title	Authors	Presenter
1	STORMFIBE- Pakistan's first true Fiber to the Home based Broadband Network	Rizwan aslam Butt, Muneeb, Shafaq	Rizwan Aslam Butt
2	Maximizing the Potential of Brain Waves Through Technology	Ms. JaveriaTaqrique	Ms. JaveriaTaqrique

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3	Cloud Computing, Models, Security Issues and Selection	Mr.FaizanNoorani	Mr.FaizanNoorani
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