



**NED University of Engineering & Technology, Karachi**  
1<sup>st</sup> International Conference on Innovations in Computer Science & Software Engineering  
**ICONICS-2016 Conference Program**



**Day-1 Thursday, 15<sup>th</sup> December 2016**

<b>8:30 - 11:10</b>	<b>Inaugural Session</b>	<b>8:30 - 10:00</b>	Registration
		<b>10:00 - 10:03</b>	Recitation
		<b>10:03 - 10:08</b>	National Anthem
		<b>10:08 - 10:12</b>	Welcome address by Dean (ISH) : <b>Prof. Dr. Muhammad Tufail</b>
		<b>10:12 - 10:30</b>	<b>Keynote Speech : <i>Internet of Things (IoT) and Its Applications</i></b> Prof. Dr. Junaid Ahmed Zubairi The State University of New York United States of America
		<b>10:30 - 10:40</b>	Vice Chancellor Speech
		<b>10:40 - 10:50</b>	Guest of Honor Speech
		<b>10:50 - 11:00</b>	Chief Guest Speech
		<b>11:00 - 11:05</b>	Vote of Thanks by <b>Prof. Dr. Najmi Ghani Haider</b>
		<b>11:05 - 11:10</b>	Photo Session
<b>11:10 - 11:30</b>	<b>Hi-Tea</b>		
<b>11:35 - 12:55</b>	<b>Technical Papers session-I Venue : Main Auditorium</b>	<b>Session-I : Artificial Intelligence, Speech and Pattern Recognition</b> <b>Session Chair : Prof. Dr. Junaid Ahmed Zubairi : Session Co-Chair : Prof. Dr. Sohail Abdul Sattar</b>	
		<b>11:35 - 11:55</b>	<b>Keynote Speech</b> <b><i>Selfish Routing vs Cooperative Routing for congestion control in Wireless Networks</i></b> Prof. Dr. Nasreen Badruddin Universiti Teknologi PETRONAS Malaysia
		<b>11:55 - 12:15</b>	<b>Dynamic Ontology Modeling for Human Activity Recognition</b> <i>Anum Afzal, Syeda Hiba Ahmad, Hameeza Ahmed and Muhammad Ali Ismail</i>
		<b>12:15 - 12:35</b>	<b>Noise Pattern Recognition in Oceanic Environment Using Statistical Characterization of Oceanic Noise in Deep Sea</b> <i>Junaid Iqbal and Sohail Abdul Sattar</i>
		<b>12:35 - 12:55</b>	<b>Estimating News Coverage Index Using Probabilistic Topic Model</b> <i>Muazzam Siddiqui, Tafseer Khan and Sohail Sattar</i>
<b>13:00 - 14:00</b>	<b>Prayers/Lunch Break</b>		
<b>14:00 - 15:40</b>	<b>Technical Papers session-II Venue : Main Auditorium</b>	<b>Session-II : Internet of Things (IoT) &amp; Computer Systems</b> <b>Session Chair : Dr. Syed Saad Azhar Ali : Session Co-Chair : Dr. Muhammad Mubashir Khan</b>	
		<b>14:00 - 14:20</b>	<b>Keynote Speech : Content Optimization for Neuro feedback based Treatment of Stress and Depression</b> Dr. Syed Saad Azhar Ali Universiti Teknologi PETRONAS Malaysia
		<b>14:20 - 14:40</b>	<b>IoT Enabled Solution for Monitoring Health of Crops</b> <i>Ramal Jafri, Murk Marvi, Laeeq-Uz Zaman and Muhammad Khurram</i>
		<b>14:40 - 15:00</b>	<b>A Compact, Standalone and Accelerated Spiking Silicon Neuron for Neuromorphic Hardware</b> <i>Saad Qasim Khan and Muhammad Khurram</i>
		<b>15:00 - 15:20</b>	<b>A Cost Effective Solution for IoT Enabled Ultrasonic Anemometer Sensor Design</b> <i>Muhammad Awais, Murk Marvi, Syed Suleman Abbas Zaidi and Muhammad Khurram</i>
		<b>15:20 - 15:40</b>	<b>Greenhouse Monitoring And Automation System</b> <i>Shahram Najam and Aamir Zeb Shaikh</i>
	<b>LAB-3 (CSSE)</b>	<b>Workshop Session</b>	
<b>Workshop Title: Social Network Analysis</b> <b>Presenter: Dr. Rauf Ahmed Shams Malick (DHA SUFFA University Karachi, Pakistan)</b>			
<b>15:40 - 16:30</b>	<b>Tea</b>		

Day-2 Friday , 16 <sup>th</sup> December 2016		
9:00 - 10:40	Technical Papers session-III Venue : Main Auditorium	<b>Session-III : Data Mining</b> <b>Session Chair : Dr. Mhuammad Atif Tahir : Session Co-Chair : Dr. Saman Hina</b>
		<b>09:00 - 09:20</b> <b>Keynote Speech : Multilabel Machine Learning Algorithms for Text, Image, and Video Classification</b> Dr. Mhuammad Atif Tahir Northumbria University United Kingdom
		<b>09:20 - 09:40</b> <b>Resolving Syntactic Ambiguities in Urdu Text</b> <i>Fazal Aman and Muhammad Abid Khan</i>
		<b>09:40 - 10:00</b> <b>Development of Pre-processing Tools for Urdu Text Processing</b> <i>Noor Ul Ain Ali and Sohail Abdul Sattar</i>
		<b>10:00 - 10:20</b> <b>Implementation of a Fuzzy Rule-based Contrast Enhancement System</b> <i>Tariq Javid, Dr. Pervez Akhtar, Azhar Dilshad, Idris Mala and Saood Zia</i>
		<b>10:20 - 10:40</b> <b>TCP Timeout Mechanism for Optimization of Network Fairness and Performance in Multi-Hop Pipeline Network</b> <i>Siva Kumar Subramaniam, Shariq Mahmood Khan, Nilavalan Rajagopal and Balachandran Wamadeva</i>
10:40 - 11:15	Tea Break	
11:15 - 13:00	Technical Papers Parallel session-IV Venue : Main Auditorium	<b>Session-IV : Computer Networks &amp; Wireless Communications</b> <b>Session Chair : Dr. Muhammad Adnan : Session Co-Chair : Dr. Najeed Ahmed Khan</b>
		<b>11:15 - 11:35</b> <b>Keynote Speech: How Big Data is changing the world?</b> Dr. Muhammad Adnan Marks & Spencer United Kingdom
		<b>11:35 - 11:55</b> <b>Location Server Based Proactive Routing Protocol</b> <i>Muhammad Usman Butt, Arshad Shaikh and Hameedullah Kazi</i>
		<b>11:55 - 12:15</b> <b>Assistance of K-Means in Non-Intrusive Load Monitoring</b> <i>Farah Siddiqui and Daniyal Fatmi</i>
		<b>12:15 - 12:35</b> <b>Enhancing Pipeline Network Performance Using Dual Interleaving Cluster Head Routing Protocol</b> <i>Siva Kumar Subramaniam, Shariq Mahmood Khan, Nilavalan Rajagopal and Balachandran Wamadeva</i>
	Technical Parallel Papers session-V Venue: Video Conferencing Hall	<b>Session-V : Miscellaneous</b> <b>Session Chair : Dr. Nasreen Badruddin : Session Co-Chair : Dr. Shehnila Zardari</b>
		<b>11:15 - 11:35</b> <b>Potentiometer Based Hand Gesture Control of Robot Wirelessly</b> <i>Rohana Kamran and Abdul Basit Ayubi</i>
		<b>11:35 - 11:55</b> <b>An Implementation of FPGA based Data Acquisition Card (DAQ) for Industrial Parameter Control</b> <i>Wajahat Hussain, Maria Siddiqui and Najmi Haider</i>
		<b>11:55 - 12:15</b> <b>A Comparative Study for Software Cost Estimation Using COCOMO II and Walston-Felix models</b> <i>Aman Ullah, Abdus Salam, Abd Ullah and Samad Baseer</i>
		<b>12:15 - 12:35</b> <b>Log determinant difference of original and watermarked database for usability analysis</b> <i>Hameed Ullah, Basheer Ahmad and Aihab Khan</i>
13:00 - 14:30	Prayers/Lunch Break	
14:30 - 16:00	<b>Session VI : Poster Presentation</b> <b>Venue: LAB-4 (CSSE)</b>	
Closing Session		
16:00 - 17:15	Venue : Main Auditorium	<b>16:00 - 16:15</b> <b>Invited Speech : The Commercialization Potential of 5G</b> Dr. Syed Faraz Hasan Massey University, Palmerston North, New Zealand
		16:15 - 16:20 Closing Remarks by <b>Prof. Dr. Najmi Ghani Haider</b>
		16:20 - 16:40 Guest of Honor Speech
		16:40 - 17:00 Chief Guest Speech
		17:00 - 17:15 Presentation of Souvenirs
		17:15 - 17:20 Vote of Thanks by <b>Dr. Shariq Mahmood Khan</b>
		17:20 - 17:30 Photo Session