

## Event Program

**1<sup>st</sup> National Conference on Mathematics and Computer Science (NCMCS' 15)**

**January 21-23, 2015, Quaid-e-Awam University, Nawabshah 67480, Sindh, Pakistan.**

**Opening and Closing Sessions will take place at Senate Hall (Admin Block)**

**Computer Science Papers will be presented at Senate Hall (Admin Block) and Mathematics Papers will be presented in video conferencing room at Electronics Department**

Time	Day 1 (Wednesday, 21 <sup>st</sup> January, 2015)	
9:00 am - 10:15 am	<b>Registration</b>	
10:15 am - 11:10 am	<b>Inaugural session</b>	
10:15 am - 10:20 am	Guests to be seated	
10:20 am - 10:25 am	Recitation from Holy Quran	
10:25 am - 10:30 am	Welcome address by the Focal Person	
10:30 am - 10:40 am	Address by the Vice Chancellor	
10:40 am - 10:55 am	Address by the Chief Guest	
10:55 am - 11:00 am	Presentation of Memento	
11:00 am - 11:10 am	Vote of Thanks	
11:10 am - 11:30 am	<b>Tea break</b>	
11:30 am - 1:40 pm	<b>Parallel Sessions</b>	
	<b>Session 1 (Computer Science)</b> <b>Session Chair:</b> Prof. Dr. Aqil Burney <b>Session Co-chair:</b> Prof. Dr. Muhammad Ibrahim Channa	<b>Session 2 (Mathematics)</b> <b>Session Chair:</b> Prof. Dr. Muhammad Saleem Chandio <b>Session Co-chair:</b> Assoc. Prof. Dr. Khuda Bux Amur
11:30 am - 12:00 pm	Keynote address: Prof. Dr. Aqil Burney	Keynote address: Prof. Dr. Taswar Hayat
12:00 pm - 12:20 pm	Toufique Ahmed Soomro, Abdul Sattar Saand, Safeeullah Soomro, Syed Abid Ali Shah and Assadullah Khuhawar, " <i>Enhancement of Colour Fundus Images by using Single and Multi-Scale Retinex</i> "	MAK Bulelzai, " <i>Mathematical Modelling for Atherosclerosis</i> "
12:20 pm - 12:40 pm	Humera Tariq and S.M.Aqil Burney, " <i>Low Level Segmentation of Brain MR Slices and Quantification challenges</i> "	Zarqa Bano, " <i>On creeping flow of second grade fluid through channel of varying width</i> "
12:40 pm - 1:00 pm	Jawad hussain Awan, Shahzad Memon and Waqar Ahmed Awan, " <i>Mobile Based Location</i> "	Afaque Ahmed Bhutto, " <i>Some exact solutions for MHD viscous fluid flows</i> "

	<i>Services For University Of Sindh</i>	
1:00 pm - 1:20 pm	Syed Mohtashim Abbas Bokhari, Umm-E-Habiba, Dr. Farooque Azam, Dr. Muhammad Abbas and Dr. A. N. Naqvi, <i>“Limitations of SOA and merging SOA with Cloud Computing”</i>	Adnan Khan, Of Mosquitoes, Vermin and Zombies. <i>“How mathematical model can help control epidemics”</i>
1:20 pm – 1:40 pm	Nimra Memon, Muhammad Saleem Vighio, Shahzaman Nizamani, Adeel Riaz Memon and Umair Ramzan Shaikh, <i>“Tool Supported Analysis of Query Processing and Optimization”</i>	Muhammad Ramzan, <i>“Proper Homothetic Vector Fields of Reboucus space-time by Using Lorentzian Manifolds”</i>
<b>1:40 pm – 2:30 pm</b>	<b>Lunch break</b>	
<b>2:30 pm - 4:40 pm</b>	<b>Parallel Sessions</b>	
	<b>Session 3 (Computer Science)</b> <b>Session Chair:</b> Dr. Yasir Arafat Malkani <b>Session Co-chair:</b> Dr. Muhammad Saleem Vighio	<b>Session 4 (Mathematics)</b> <b>Session Chair</b> Prof. Dr. Syed Feroz Shah <b>Session Co-chair:</b> Dr. Muhammad Afzal Soomro
2: 30 pm – 3:00 pm	Keynote address: Dr. Yasir Arafat Malkani	Keynote address: Dr. Ahsanullah Baloch
3:00 pm – 3:20 pm	Khush Bakhat Awar, Amber Sarwar Hashmi and Yasir Hafeez, <i>“Situational Based RE Model for Tailoring an Agile Process”</i>	Abdul Hanan Sheikh, <i>“A multilevel ADEFI Solver for high frequency Helmholtz equation”</i>
3:20 pm – 3:40 pm	Ayesha Afzaal, Mohsin Nazir and Ayesha Haider Ali, <i>“GreenNet: Agent based Energy Load Prediction Techniques for Smart”</i>	Kashif Ali Abro, <i>“Some exact solutions for accelerated flows of MHD Maxwell fluid”</i>
3:40 pm – 4:00 pm	Anum Memon, Syeda Munazza and Sheeraz Memon, <i>“Automatic Segmentation of Chest Radiographs”</i>	Shakeel Ahmed Kamboh, Khuda Bux Amur, Muhammad Saeed Ahmed Syed and Jane Labadin, <i>“Parallel Numerical Solution of Linear PDEs Using Implicit and Explicit Finite Difference Schemes”</i>
4:00 pm – 4:20 pm	Sorath Asnani, Aqeel Ahmed and Ali Asghar Manjotho, <i>“Bank Security System based on Weapon Detection using HOG Features”</i>	Asif Ali Shaikh and Muhammad Saleem Chandio, <i>“Computational Analysis of Newtonian and non-Newtonian Fluids Past Obstacle for Mixing Flow Problems”</i>
4:20 pm – 4:40 pm	Sorath Asnani, Aqeel Ahmed and Ali Asghar Manjotho, <i>“Bank Security System based on Weapon Detection and Human Action Recognition Techniques (WD-HART)”</i>	Sanaullah Mastoi, <i>“Increasing Students interest in Mathematics &amp; Statistics in Engineering Technologies(MASET)”</i>
<b>4:40 pm - 5:00 pm</b>	<b>Tea break</b>	
	<b>Day 2 (Thursday, 22<sup>nd</sup> January, 2015)</b>	
<b>9:00 am- 11:00 am</b>	<b>Parallel Sessions</b>	
	<b>Session 5 (Computer Science)</b> <b>Session Chair:</b> Dr. Muhammad Mohsin Nazir <b>Session Co-chair:</b> Dr. Abdul Rahman Abbasi	<b>Session 6 (Mathematics)</b> <b>Session Chair:</b> Assoc. Prof. Dr. Zainul Abdin Khuhro <b>Session Co-chair:</b> Dr. Sajjad Hussian Sandilo

9:00 am – 9:30 am	Keynote address 1: Dr. Muhammad Mohsin Nazir Keynote address 2: Dr. Junaid Baber	Keynote address: Prof. Dr. Faqir Muhammad Bhatti
9:30 am – 9:50 am	Sorath Asnani, Syed Danial Waseem and Ali Asghar Manjotho, “ <i>Unconcealed Gun Detection using Haar-like and HOG Features - A Comparative Approach</i> ”	Shujaat Ali Shah, “ <i>On Gamma-Semigroups</i> ”
9:50 am – 10:10 am	Hina Shahid, Sadia Murawwat and Umer Rana, “ <i>Digital Costas loop Implementation for Coherent Demodulation using MATLAB</i> ”	M Afzal Soomro, “ <i>Special curves of genus four and five over finite fields</i> ”
10:10 am – 10:30 am	Teena Kumari, Mukhtiar Unar and Aisha Yousuf, “ <i>EzScreening, A Corporate Business Recruitment Application</i> ”	Muhammad Masoom Arain, “ <i>Roughness of Prime bi-ideals in Gamma-semigroups</i> ”
10:30 am – 10:50 am	Qamar-u-Nisa Soomro, Akhtar Hussain Jalbani and Zahid Hussain, “ <i>Voice Enabled Platform Independent System for Switching Among the Applications</i> ”	Raja Muhammad Latif, “ <i>Alpha-Weakly Continuous Mappings in Topological Spaces</i> ”
<b>11:00 am - 11:30 am</b>	<b>Tea break</b>	
<b>11:30 am - 1:30 pm</b>	<b>Parallel Sessions</b>	
	<b>Session 7 (Computer Science)</b> <b>Session Chair:</b> Prof. Dr. Mukhtiar Ali Unar <b>Session Co-chair:</b> Dr. Akhtar Hussain Jalbani	<b>Session 8 (Mathematics)</b> <b>Session Chair:</b> Assoc. Prof. Dr. Abdul Waseem Shaikh <b>Session Co-chair:</b> Dr. Muhammad Atif Khan
11:30 am – 12:00 pm	Keynote address: Prof. Dr. Mukhtiar Ali Unar	Keynote address: Dr. Ghulam Shabir
12:00 pm - 12:20 pm	Ayesha Haider Ali, Muhammad Mohsin Nazir, Ayesha Afzaal and Aneeqa Sabah, “ <i>A Traffic Scheduler for Radio Resource Management of Long Term Evolution –Advanced (LTE-A)</i> ”	Sajad H. Sandilo, “ <i>On Dynamics of Axially Moving Mechanical Systems</i> ”
12:20 pm - 12:40 pm	Rafia Naz Memon, Irfana Memon and Fiza Siyal, “ <i>A Green Learning model for teaching Requirements Engineering Course</i> ”	Sanaullah Dehraj, “ <i>Slip effects on fractionalized second grade fluid flows</i> ”
12:40 pm – 1:00 pm	Irfana Memon, Fiza Siyal and Rafia Naz Memon, “ <i>Event detection using wireless sensor networks: A survey</i> ”	Asghar A. Maitlo and Sajad H. Sandilo, “ <i>On Boundary Damping for an Axially Moving Stretched String</i> ”
1:00 pm – 1:20 pm	Fiza Siyal, Rafia Naz Memon and Irfana Hameed, “ <i>Situational Framework for Testing Methods and Metrics</i> ”	Muhammad Memon, Khuda Bux Amur and Wajid Ali, “ <i>Variational Iteration and Modified Variational Iteration Methods for Some Nonlinear Convection-Diffusion Problems</i> ”
<b>1:30 pm – 2:30 pm</b>	<b>Lunch break</b>	
<b>2:30 pm – 4:40 pm</b>	<b>Parallel Sessions</b>	
	<b>Session 9 (Computer Science)</b> <b>Session Chair:</b> Dr. Haroon Rashid <b>Session Co-chair:</b> Dr. Muhammad Wasim Ashraf	<b>Session 10 (Computer Science)</b> <b>Session Chair:</b> Dr. Qurat ul Ain Nizamani <b>Session Co-chair:</b> Dr. Rafia Naz Memon

2:30 pm – 3:00 pm	Keynote address 1: Dr. Muhammad Wasim Ashraf Keynote address 2: Dr. Waheed Noor	Keynote address: Dr. Qurat ul Ain Nizamani
3:00 pm – 3:20 pm	Ali Asghar, <i>“Utility Improvement of Offices”</i>	Muhammad Nawaz Lakhmir, Ayaz Ahmed Qureshi, Muhammad Ibrahim Channa and Fareed Ahmed Jokhio, <i>“Performance Evaluation of Link State Routing Protocol in an Enterprise Network”</i>
3:20 pm – 3:40 pm	Asrar Mehboob, Shahzadi Tayyaba, Muhammad Waseem Ashraf, Akhtar Hussain and Zohaib Mushtaq, <i>“Design and Simulation of Automatic Irrigation Control System”</i>	Muhammad Hanif, Muhammad Saleem, Zahid Hussain, Niaz Memon, Fareed Jokhio and Waqas Sahito <i>“Comparative Study of Top-Ranked Web Browsers”</i>
3:40 pm – 4:00 pm	Zohaib Mushtaq, Shahzadi Tayyaba, Muhammad Waseem Ashraf, Akhtar Hussain and Asrar Mehboob, <i>“Automatic Environmental Controller of Livestock Sheds”</i>	Shah Zaman, Muhammad Saleem Vighio, Zahid Hussain, <i>“Evaluation of Short Message Service (SMS) writing styles and its impact on memory”</i>
4:00 pm – 4:20 pm	Musa Haroon Khan Lodhi, Muhammad Waseem Ashraf, Shahzadi Tayyaba and Ashraf Ali, <i>“Numerical Simulation of Lux-meter”</i>	Khyyam Shahzad, Arif Iqbal Umer, Babar Nazir, Kashif Bilal, Kamran and Malik Zaib <i>“A Modified Algorithm for VM Migration to Reduce Network Load in Cloud Data Centres”</i>
4:20 pm – 4:30 pm	Islam Zada, Sara Shahzad and Shah Nazir, <i>“Issues and challenges in Global Software Development Using Scrum”</i>	Sadia Khan, <i>“An Interactive Educational Platform”</i>
4:30 pm – 4:50 pm	Shahzadi Tayyaba, Muhammad Waseem Ashraf, Haroon Rasheed, Akhtar Hussain and Nitin Afzulpurkar, <i>“Computer based Dynamic Simulation of Silicon Solid Nano-needles for Single Cell Surgery”</i>	
<b>4:50 pm – 5:50 pm</b>		
<b>Concluding session</b>		
Guests to be seated		
Recitation from Holy Quran		
Distribution of shields & Certificates to speakers		
Presentation of Memento		
Address by the Vice Chancellor		
Address by the Chief Guest		
Vote of Thanks		
<b>5:40 pm – 5:50 pm</b>		
<b>Tea break</b>		
<b>8:00 pm</b>		
<b>Gala Dinner</b>		
<b>Day 3 (Friday, 23<sup>rd</sup> January, 2015)</b>		
9:00 am	Visit to Historical place: Moen-Jo-Daro, Larkana	