- 1. Mansoor, M.I, **Muhammad Bilal Kadri**, "Evaluating different Kinematic Models of Mobile robots using Linear and Non-linear controls", **18th International Bhurban Conference on Applied Sciences & Technology (IBCAST**), 12-16 Jan., Islamabad, Pakistan, DOI: 2021, 10.1109/IBCAST51254.2021.9393242.
- 2. Muhammad Azmi Umer, Chaudhry Mujeeb Ahmed, **Muhammad Taha Jilani**, Aditya P. Mathur, "Attack Rules: An Adversarial Approach to Generate Attacks for Industrial Control Systems using Machine Learning", **ACM Joint Workshop on CPS & IoT Security and Privacy (CPSIoTSec 21)**, Seoul, South Korea; DOI: https://arxiv.org/abs/2107.05127.
- 3. **Muhammad Naveed, Sameer Qazi,** Bilal A. Khawaja; "UAV-based Life-Saving Solution for Police to Maintain Social-Distancing During Covid-19 Pandemic Using 4G-LTE Technology'; **2021 International Conference on Communication Technologies (ComTech)**; Rawalpindi, Pakistan; 21-22 Sept. 2021; DOI: 10.1109/ComTech52583.2021.9616854.
- 4. Maneeba Ashraf, Ayima Zahra, **Muhammad Asif**, **Maaz Bin Ahmed**, Sadia Zafar; "Ethical Hacking Methodologies: A Comparative Analysis"; **2021 Mohammad Ali Jinnah University International Conference on Computing (MAJICC**); Karachi, Pakistan, 15-17 July 2021; DOI: 10.1109/MAJICC53071.2021.9526243.
- 5. Muhammad Awais, **Muhammad Asif**, **Maaz Bin Ahmed**, Toqeer Mahmood, Sundus Munir; "Comparative Analysis of Traditional and Software Defined Networks"; **2021 Mohammad Ali Jinnah University International Conference on Computing (MAJICC**); Karachi, Pakistan, 15-17 July 2021 DOI: 10.1109/MAJICC53071.2021.9526236.

- 1. **Afshan Saad**, Muhammad Saad, Shah **Muhammad Emaduddin**, **Rafi Ullah**, "Optimization of Bug Reporting System (BRS): Artificial Intelligence-based method to handle duplicate bug reports", **International Conference on Intelligent Technologies and applications (INTAP 2019)**, 6 8 November 2019, Bahawalpur, Pakistan, DOI: https://doi.org/10.1007/978-981-15-5232-8_11.
- 2. Muhammad Rizwan, Muhammad Asif, **Maaz Bin Ahmad**, Khalid Masood, "Park My Ride: Your True Parking Companion", **International Conference on Intelligent Technologies and applications (INTAP 2019)**, 6 8 November 2019, Bahawalpur, Pakistan, DOI: https://link.springer.com/chapter/10.1007/978-981-15-5232-8_60.
- 3. **Maaz Bin Ahmad,** Muhammad Asif, **Afshan Saad, Abdul Wahab,** "Cloud Computing: A Paradigm of more Insider Threats", **4th International Conference on Information System Engineering (ICISE**2019), May 4-6, 2019, Shanghai, China, DOI: 10.1109/ICISE.2019.00027.
- 4. **Safdar Hussain, Maaz Bin Ahmad,** Shariq Siraj Uddin Ghouri, "Advance Persistent Threat A Systematic Review of Literature and Meta-Analysis of Threat Vectors", **The 4th International Conference on Computer, Communication and Computational Sciences, IC4S2019,** 11 -12 Oct 2019, Bangkok, Thailand, DOI: 10.1007/978-981-15-4409-5_15.
- 5. **Usman Khan, Maaz Bin Ahmad**, Farhan Shafiq, Muhammad Sarim, "Urdu Natural Language Processing Issues and Challenges: A Review Study", **International Conference on Intelligent Technologies and applications (INTAP 2019)**, 6 8 November 2019, Bahawalpur, Pakistan, DOI: https://link.springer.com/chapter/10.1007/978-981-15-5232-8 39.
- 6. **Misbah Anwer**, **Afshan Saad**, Ayesha Ashfaque, "Security of IoT Using Blockchain: A Review", **International Conference On information science and Communication Technology 2020**, 8-9 Feb. 2020, Karachi, Pakistan, DOI: 10.1109/ICISCT49550.2020.9079943.
- 7. **Mohammad Ayub Latif, Maaz Bin Ahmad, Muhammad Khalid Khan,** "A Review on Key Management and Lightweight Cryptography for IoT", **GCWOT20 (Global Conference on Wireless and Optical Technologies)**, 6-8 Oct. 2020, Malaga, Spain, DOI: 10.1109/GCWOT49901.2020.9391613.

- 8. Tariq Javid, Muhammad Faris, **Hira Beenish**, **Muhammad Fahad**, "Cyber security and Data Privacy in the Cloudlet for Preliminary Healthcare Big Data Analytics", **2020 International Conference on Computing and Information Technology** (ICCIT-1441), 9-10 Sept. 2020, Tabuk, Saudi Arabia, DOI: 10.1109/ICCIT-144147971.2020.9213712.
- 9. **Abdul Wahab Khan, Sanjay Kumar,** "An Expert System Framework for Bug Tracking and Management", **International Conference On information science and Communication Technology 2020**, 8-9 Feb. 2020, Karachi, Pakistan, DOI: 10.1109/ICISCT49550.2020.9080048.
- 10. **Hira Beenish, Muhammad Fahad, "**An Approach towards Implementation of Active and Passive voice using LL(1) Parsing", **2020 International Conference on Computing and Information Technology (ICCIT-1441)**, 9-10 Sept. 2020, Tabuk, Saudi Arabia, DOI: 10.1109/ICCIT-144147971.2020.9213802.
- 11. **Hira Beenish, Muhammad Fahad,** "Skin Cancer Prediction using Data Mining and its Technique. A Review", **2020 International Conference on Computing and Information Technology (ICCIT-1441)**, 9-10 Sept. 2020, Tabuk, Saudi Arabia, DOI: 10.1109/ICCIT-144147971.2020.9213800.
- 12. **S Yousaf, Muhammad Bilal Kadri,** "Implementation of Modified Tangent Bug Navigation Algorithm for Front Wheel Steered and Differential-Drive Robots", **2020 International Symposium on Recent Advances in Electrical Engineering,** 20-22 Oct. 2020, Islamabad, Pakistan, DOI: 10.1109/RAEECS50817.2020.9265853.
- 13. **Fiza Alina, Nabeel Khan, Syed Ubaidullah Bukhari, Syed Usman Amin, Siraj Anees, Sarmad Ahmed Sheikh**;" Work-in-Progress: Bio Radar for Remotely Vital Sign Monitoring" **International Conference on Remote Engineering and Virtual Instrumentation**"; DOI: https://link.springer.com/chapter/10.1007/978-3-030-52575-0_38#enumeration
- 14. **Emaduddin Shah,** Muhammad Kamran Ahsan, Ibtesam Mazahir; "Machine Learning Based Methodology for Depressive Sentiment Analysis"; **International Conference on Intelligent Technologies and Applications**; 28 30 Sep; Grimstad, Norway; DOI: https://link.springer.com/content/pdf/10.1007%2F978-3-030-71711-7 8.pdf.
- 15. **Muhammad Affan Alim, Shamsheela Habib, Yumna Farooq, Abdul Rafay**; "Robust Heart Disease Prediction: A Novel Approach based on Significant Feature and Ensemble learning Mode"; **2020 3rd International Conference on**

Computing, Mathematics and Engineering Technologies (iCoMET); 29 - 30 Jan,2020; Sukkur, Pakistan; DOI: 10.1109/iCoMET48670.2020.9074135.

16. Iqra Iftikhar Abbasi, Muhammad Azeem Abbas, Shiza Hammad, **Muhammad Taha Jilani**, Shabbir Ahmed, Saba un Nisa; "A Hybrid Approach for the Recommendation of Scholarly Journals"; **2020 International Conference on Information Science and Communication Technology (ICISCT)**, 30 Apr, 20, Karachi Pakistan; DOI: 10.1109/ICISCT49550.2020.9080032

- 1. Muhammad Mudassar Yamin, Basel Katt, Kashif Sattar, **Maaz Bin Ahmad**, "Implementation of Insider Threat Detection System Using Honeypot Based Sensors and Threat Analytics", **Future of Information and Communication Conference (FICC 2019)**, 02 February 2019, Online Conference, DOI: https://link.springer.com/chapter/10.1007/978-3-030-12385-7_56.
- 2. Sahar Altaf, Sumaira Khan, "Numerical solution of fractional electrical circuit by Haar wavelet", International Seminar on Mathematics in Industry & International Conference on Theoretical and Applied Statistics ISMI-ICTAS 2018, Malaysia, DOI: https://doi.org/10.11113/matematika.v35.n3.1205.
- 3. Sumaira Khan, Sahar Altaf, "An approximate solution of fractional Kolmogrov-Petrovskii-Piskunov Equations", International Seminar on Mathematics in Industry & International Conference on Theoretical and Applied Statistics ISMI-ICTAS 2018, Malaysia, DOI: https://doi.org/10.11113/matematika.v35.n3.1198.
- 4. Maaz Bin Ahmad, Muhammad Asif, Afshan Saad, Abdul Wahab Khan, "Cloud computing A paradigm of more insider threats", 4th International Conference on Information Systems Engineering (ICISE2019), China, DOI: 10.1109/ICISE.2019.00027.
- 5. **Muhammad Fahad, Hira Beenish,** "5G A review on existing technologies",**2nd International Conference on Computing Mathematics and Engineering Technologies (iCoMET2019)**, Pakistan, DOI: 10.1109/ICOMET.2019.8673407.

- 6. Usra Sami, **Hira Beenish**, "Design and Implementation of an android app-controlled Fire Fighting Robot ", **4 th International Electrical Engineering Conference (IEEC 2019)**, Pakistan, DOI: https://ieec.neduet.edu.pk/2019/Papers_IEEC_2019/IEEC 2019 08.pdf.
- 7. **Sarmad Ahmed Shaikh**, Andrea M. Tonello, "Comparison of Two Baseline AoA Estimation Methods in a EM Lens Assisted MAA System", **WSA 2019; 23rd International ITG Workshop on Smart Antennas,** Vienna Austria, DOI: https://ieeexplore.ieee.org/document/8727228.
- 8. **Muhammad Taha Jilani**, Zaka Ur Rehman, Azeem Abbas, "An Application Framework of Crowdsourcing based Emergency Events Reporting in Smart Cities", **IEEE International Symposium on Networks, Computers and Communications**, Istanbul, Turkey, DOI: 10.1109/ISNCC.2019.8909146.
- 9. **Sameer Hashmat Qazi**, Ali Shuja Siddiqui, "UAV based Real Time Video Surveillance over 4G LTE", **9th IEEE International Conference on Open Source System Technologies**", Pakistan, DOI: 10.1109/ICOSST.2015.7396417.
- 10. Yumna Farooq, **Hira Beenish**, **Muhammad Fahad**, "Intrusion Detection System in Wireless Sensor Networks A Comprehensive Survey", **2019 Second International Conference on Latest trends in Electrical Engineering and Computing Technologies (INTELLECT)**, Pakistan, DOI: 10.1109/INTELLECT47034.2019.8954984.
- 11. **Syed Saiq Hussain, Muhammad Arif Sultan, Sameer Hashmat Qazi,** Mehmood Ameer, "Intelligent Traffic Matrix Estimation Using LevenBerg-Marquardt Artificial Neural Network of Large Scale IP Network", **13th International Conference on Mathematics, Actuarial Sciences, Computer Science and Statistics (MACS)**, Pakistan, DOI: https://ieeexplore.ieee.org/document/9024765 DOI: 10.1109/MACS48846.2019.9024765.
- 12. Husna Gul, Maaz Bin Ahmad, Muhammad Asif, "A Comparison of Detection Techniques for Attacks on MANETs", 4th International Conference on Information System Engineering (ICISE2019), Shanghai, China, DOI: https://ieeexplore.ieee.org/xpl/conhome /8949871/proceeding refinements=Author: Maaz%20Bin%20Ahmad.
- 13. Ali Hassan, Muhammad Zubair Tariq, Muhammad Asif, Maaz Bin Ahmad, Muhammad Zubair Tariq, "An Automatic Accident Detection System: A Hybrid Solution", 4thInternational Conference on Information System Engineering (ICISE2019), Shanghai, China, DOI: https://ieeexplore.ieee.org/xpl/conhome/8949871/proceeding refinements= Author: Maaz%20Bin% 20Ahmad.

- 14. **Atif Aziz**, Salman khan, Abdul Mateen, "The Islamic banks and customer Perception", **ISCOS USM**, Penang, Malaysia, DOI: https://www.researchgate.net/publication/342787765_The_Islamic_banks_and_customer_Perception.
- 15. **Muhammad Fahad**, **Hira Beenish**, "Efficient V2G Model on Smart Grid Vehicles Using AI", **2019 1st Global Power**, **Energy and Communication Conference (GPECOM)**, Nevsehir, Turkey, DOI: https://ieeexplore.ieee.org/abstract/document/8778547/
- 16. **Usman Khan**, Muhammad Sarim, **Maaz Bin Ahmad**, Farhan Shafiq, "Feature Extraction and Modeling Techniques in Speech Recognition: A Review", **4th International Conference on Information System Engineering (ICISE2019)**, May 4-6, 2019, Shanghai, China, DOI: 10.1109/ICISE.2019.00020.
- 17. **Muhammad Naveed, Sameer Qazi**, Bilal A Khawaja, Muhammad Mustaqim; "Evaluation of video streaming capacity of UAVs with respect to channel variation in 4G-LTE Surveillance Architecture"; **2019 8th International Conference on Information and Communication Technologies (ICICT)**; 16 17 Nov, Karachi, Pakistan; DOI:10.1109/ICICT47744.2019.9001975.
- 18. **Muhammad Naveed, Sameer Qazi;** "QoE Analyses of REAL-TIME VIDEO Streaming over 4G-LTE for UAV-BASED Surveillance applications"; **International Conference on Intelligent Technologies and Applications"**; Singapore; DOI: https://www.researchgate.net/profile/Muhammad-Naveed-48/publication/336533021_QoE_ANALYSIS_of_REALTIME_VIDEO_STREAMING_over_4G-LTE_for_UAV-BASED_SURVEILLANCE_APPLICATIONS/links/5da4c6d2299bf116fea80d83 /QoE ANALYSIS-of-REAL-TIME-VIDEO-STREAMING-over-4G-LTE-for-UAV-BASED-SURVEILLANCE-APPLICATIONS.pdf
- 19. **Bushra, Tooba Hai, Muhammad Bilal Kadri;** "Comparison of different techniques for experimental modeling of a Quadcopter"; **2019 Second International Conference on Latest trends in Electrical Engineering and Computing Technologies (INTELLECT)**, Karachi, Pakistan; DOI: 10.1109/INTELLECT47034.2019.8955470.
- 20. Saurabh Shukla, Mohd Fadzil Hassan, Low Tang Jung, Azlan Awang, **Muhammad Khalid Khan**; "A 3-Tier Architecture for Network Latency Reduction in Healthcare Internet-of-Things Using Fog Computing and Machine Learning"; **ICSCA '19: 2019 8th International Conference on Software and Computer Applications**; DOI: 10.1145/3316615.3318222.

- 21. Musa Karim, Shumaila Furnaz, Ahmed Raheem Buksh, Muhammad Asim Beg, **Muhammad Shahbaz Khan**; "Sample Size Calculation in Medical research"; **2019 13th International Conference on Mathematics, Actuarial Science, Computer Science and Statistics (MACS**), Karachi, Pakistan; DOI: 10.1109/MACS48846.2019.9024807.
- 22. Shakeel Muhammad Ibrahim, Muhammad Sohail Ibrahim, Muhammad Usman, Imran Naseem, Muhammad Moinuddin;" A study on Heart Segmentation using Deep Learning Algorithm for MRI Scans."; **2019 13th International Conference on Mathematics, Actuarial Science, Computer Science and Statistics (MACS)**; DOI: 10.1109/MACS48846.2019.9024793.
- 23. Zain Hussain Warsi, Shahzadi Mahaa Irshad, Fahad Khan, Muhammad Aaquib Shahbaz, Muhammad Junaid; Syed Usman Amin; "Sensors for Structural Health Monitoring: A Review"; 2019 Second International Conference on Latest trends in Electrical Engineering and Computing Technologies (INTELLECT); DOI: 10.1109/INTELLECT47034.2019.8955453.
- 24. **Sadia Mughal**, Fahad Razaque, Muhammad Raheel Hassan, Mukesh Malani; "Orchestrating Heterogeneous Communities using Middleware Approach"; **2019 International Conference on Information Science and Communication Technology (ICISCT)**, Karachi, Pakistan; DOI: 10.1109/CISCT.2019.8777427.
- 25. Anh Nguyen Duc, **Muhammad Khalid Khan**, Tor Lonnestad, **Shoi**ab Bajwa Shahid, Xiaofeng Wang, Pekka Abrahamsson; "How do Startups Develop Internet-of-Things Systems A Multiple Exploratory Case Study"; **2019 IEEE/ACM International Conference on Software and System Processes (ICSSP)**, Montreal, QC, Canada; DOI: 10.1109/ICSSP.2019.00019.
- 26. **Ayaz H Khan**;" Parallel Implementation of Predicting RNA using LR Parsing in MPI"; **2019 International Symposium on Recent Advances in Electrical Engineering (RAEE)**; Islamabad, Pakistan; DOI: 10.1109/RAEE.2019.8886988.

- 1. **Fahad Tanveer, Muhammad Bilal Kadri;** "A simulation framework for decentralized formation control of non-holonomic differential drive robots"; **SICE International Symposium on Control Systems (SICE ISCS)**; Tokyo, Japan; DOI: https://ieeexplore.ieee.org/document/8330181
- 2. **Abdullah Bin Azhar, Muhammad Bilal Kadri;** "Empirical evaluation of formation control scheme based on artificial potential fields for a team of nonholonomic mobile robots"; **14th IEEE International Conference on Emerging Technologies (ICET 2018)**; Islamabad, Pakistan; DOI: https://ieeexplore.ieee.org/document/8603593.
- 3. **Sofia Yousaf, Muhammad Bilal Kadri**; "Robot Localization in Indoor and Outdoor Environments by Multi-sensor Fusion" ;14th IEEE International Conference on Emerging Technologies (ICET 2018); Islamabad, Pakistan; DOI: 10.1109/ICET.2018.8603597.
- 4. Rashida Memon, **Syed Muhammad Atif**, **Sameer Hashmat Qazi**; "First Elephants then Mice: A Two-stage Robust Estimation Technique for Traffic Matrix in Large Cloud Networks in Presence of Over Dispersion"; **IEEE TENCON 2018**, Oct 2018; South Korea; DOI: 10.1109/TENCON.2018.8650063.
- 5. **Muhammad Faisal Din, Sameer Hashmat Qazi**; "A Compressed Framework for Monitoring and Anomaly Detection in Cloud Networks"; **2018 International Conference on Computing, Mathematics and Engineering Technologies (iCoMET)**; Sukkur, Pakistan; DOI: 10.1109/ICOMET.2018.8346394.
- 6. **Muhammad Ayub Latif**, Muhammad Yaseen Khan, **Kashif Basheer**; "Practices for Achieving Accuracy in Software Costing and Estimation"; **2nd International Conference on Computing & Information Sciences**, Karachi, Pakistan, Volume:1; DOI: https://www.researchgate.net/publication/323829859_Practices_for_Achieving_Accuracy_in_Software_Costing_and_Estimation.

- 7. **Muhammad Naveed, Sameer Hashmat Qazi;** "Video Stream Transmission over Network on board UAVs for Surveillance Applications"; **3rd International Electrical Engineering Conference IEEC 2018**; Karachi, Pakistan; DOI: https://ieec.neduet.edu.pk/2018/Papers_2018/16.pdf.
- 8. **Muhammad Naveed, Sameer Hashmat Qazi** "Performance Evaluation of Unmanned Aerial Vehicles for Video based Surveillance Application"; **3rd International Electrical Engineering Conference IEEC 2018; Karachi, Pakistan**; DOI: https://www.researchgate.net/publication/336532669_Performance_Evaluation_of_Unmanned_Aerial_Vehicles_for_video_based_Surveillance_Applications.
- 9. **Husna Gul A Wahab, Muhammad Taha Jillani, Muhammad Khalid Khan,** Muhammad Fadzil Hassan; "An Integrated System for the Issuance of e-Passports"; **7th International Conference on Advances in Computing, Electronics and Communication-ACEC2018; Kuala Lumpur, Malaysia**; DOI: https://www.seekdl.org/conferences/paper/details/9513.html.
- 10. **Mobin Khan, Muhammad Taha Jilani**, Safdar Rizvi, Asif Aziz; "Enhanced Security Mechanism for Emerging Home Area Networks"; **International Conference on Information Technologies**; DOI: https://www.semanticscholar.org/paper/Enhanced-Security-Mechanism-for-Emerging-Home-Area-Khan-Jilani/072bdc6d16dc7cab3496088ee26c5c7a4f96cbea.
- 11. **Abdul Wahab Khan**, Shaikh Adnan Ahmed Usmani; "Achieving High Availability in Cloud through Live Migration"; **2nd ICCIS 2018**, Karachi; DOI: http://kjcis.pafkiet.edu.pk/Doc/Vol2Issue1/Achieving%20High%20Availability%20in%20Cloud%20 through%20Live%20Migration.pdf.
- 12. Muhammad Zulqarnain Siddiqu, Qazi Shahab Azam, **Hira Beenish**; "Role of ICT in Fostering the performance of educational sector of Africa"; **EAI International Conference for Research, Innovation and Development for Africa**; DOI: https://dl.acm.org/citation.cfm?id=3276875.
- 13. Muhammad Noman khalid, **Hira Beenish**, Kamran Rasheed; "The Role of SEO Techniques to Enhanced Performance and Improved Ranking for Intelli-Web Shop"; **Conference: 2nd International Conference on Computing & Information Sciences**, Karachi, Pakistan; DOI: http://iccis.pafkiet.edu.pk/Conf18.html.
- 14. **Muhammad Fahad,** Saiq Ur Rehman, Muhammad Kashif Alam, Aqeel-ur Rehman; "Heart Diseases Prediction using Data Mining and its Techniques- A Survey"; **2nd International Conference on Computing & Information Sciences**, Karachi,

Pakistan; DOI: https://www.researchgate.net/publication/339252307_Heart_Diseases_Prediction_using_Data_Mining_and_its_Techniques-A_Survey_Heart_Diseases_Prediction_using_Data_Mining_and_its_Techniques-A_Survey.

- 15. **Hira Beenish, Muhammad Fahad,** Shah Muhammad Emaduddin; A survey on Data Prioritization Algorithms in BAN"; **GCWOC 2018**; DOI: https://www.researchgate.net/publication/329239419_A_Survey_on_Data_Prioritization_Algorithms_in_BAN.
- 16. Shiza Hammad, Shabbir Ahmed, Muhammad Azeem Abbas, **Iqra Abbas**, **Muhammad Taha Jilani**; "A Recommendation System using Interviewers Preferences for Ranked Candidate Selection"; **2018 International Conference on Frontiers of Information Technology (FIT)**; DOI: https://ieeexplore.ieee.org/abstract/document/8616996/.
- 17. Affan Alim, Imran Naseem; "Classifier Independent Subbands Selection based on Information-Theoretic"; **2018 8th IEEE International Conference on Control System, Computing and Engineering (ICCSCE)**; Penang, Malaysia; DOI: 10.1109/ICCSCE.2018.8684957.
- 18. **Alishba Sadiq**, Muhammad Sohail Ibrahim, Muhammad Usman, Muhammad Zubair, Shujaat Khan; "Chaotic Time Series Prediction using Spatio-Temporal RBF Neural Networks"; **2018 3rd International Conference on Emerging Trends in Engineering, Sciences and Technology (ICEEST)**; Karachi, Pakistan; **DOI:** 10.1109/ICEEST.2018.8643321
- 19. Qasim Pasta, Faraz Zaidi; Model to Generate Benchmark Graphs Based on Evolution Dynamics; 2018 IEEE/ACM International Conference on Advances in Social Networks Analysis and Mining (ASONAM); Barcelona, Spain, DOI: 10.1109/ASONAM.2018.8508328.

- 1. **Sofia Yousaf, Muhammad Bilal Kadri**; "Comparison of two different model free fuzzy control architectures based on inverse plant modeling"; **International Conference on Latest trends in Electrical Engineering & Computing Technologies, 15 16 November 2017 (INTELLECT 2017**), Karachi, Pakistan; DOI: https://ieeexplore.ieee.org/document/8277630.
- 2. **Syed Muhammad Atif, Sameer Hashmat Qazi**;" Singular Valued Differential Link Count Linear Estimator for Traffic Matrix of Large Cloud Computing Networks"; **International Conference on Latest trends in Electrical Engineering & Computing Technologies, 15-16 November 2017 (INTELLECT 2017)**, Karachi, Pakistan; DOI: https://ieeexplore.ieee.org/document/8277616.
- 3. **M. Arif, Imran Naseem**, M. Moinuddin, **Saba S. Khan**, Malik M. Ammar; "Adaptive noise cancellation using q-LMS"; **2017 International Conference on Innovations in Electrical Engineering and Computational Technologies (ICIEECT)**; Karachi, Pakistan; DOI: 10.1109/ICIEECT.2017.7916527.
- 4. **M.** Arif, Imran Naseem, S.S.U. Qadri, M. Moinuddin; "Two-dimensional optimum error nonlinearity for image denoising"; **2017** First International Conference on Latest trends in Electrical Engineering and Computing Technologies (INTELLECT); Karachi, Pakistan; DOI: 10.1109/INTELLECT.2017.8277638.
- 5. **M. Arif, Imran Naseem, Marium Ashraf,** M. Moinuddin; "Design of incremental optimum error nonlinearity for distributed networks"; **2017 International Conference on Innovations in Electrical Engineering and Computational Technologies (ICIEECT)**; Karachi, Pakistan; DOI: 10.1109/ICIEECT.2017.7916525.
- 6. **M. Arif, Imran Naseem**, M. Moinuddin; "State-space fractional-least mean square algorithm"; **International Conference on Latest trends in Electrical Engineering & Computing Technologies, 15 16 November 2017 (INTELLECT 2017)**, Karachi, Pakistan; DOI: 10.1109/INTELLECT.2017.8277637.
- 7. Shujaat Khan, Muhammad Usman, Imran Naseem, Robert Togneri, Mohammed Bennamoun; "A robust variable step size fractional least mean square (RVSS-FLMS) algorithm"; **2017 IEEE 13th International Colloquium on Signal Processing & its Applications (CSPA)**, Penang Malaysia; DOI: 10.1109/CSPA.2017.8064914.

- 8. Jawwad Ahmad, Shujaat Khan, Muhammad Usman, Imran Naseem, Muhammad Moinuddin, Hassan Jamil Syed; "FCLMS: Fractional complex LMS algorithm for complex system identification"; **2017 IEEE 13th International Colloquium on Signal Processing & its Applications (CSPA)**, Penang, Malaysia; DOI: 10.1109/CSPA.2017.8064921.
- 9. **Naveed, Ayesha Hassan, Asma Mahar, Yasir**, Muhammad Mustaqim, **Arsalan Jawed**; "Temperature Sensors and Interface for Ultra-Low Power Microsystems"; **2017 2nd International Electrical Engineering Conference (IEEC 2017)**, Karachi, Pakistan; DOI: http://iepkarachi.org.pk/2nd_intlnew/2nd_IEEC_2017_paper_28.pdf.
- 10. **Asma Mahar, Ayesha Hassan, Naveed,** Arham Iqbal, Madiha Azhar, **Yasir, Arsalan Jawed**;" Actively Biased Differential Drive Rectifier circuit with Backscattering Communication"; 2017 **2nd International Electrical Engineering Conference (IEEC 2017)**, Karachi, Pakistan; DOI: http://iepkarachi.org.pk/2nd_intlnew/2nd_IEEC_2017_paper_22.pdf.
- 11. **Raja Hasan**, Syed Muhammad G Monir; "Fruit maturity estimation based on fuzzy classification"; **2017 IEEE International Conference on Signal and Image Processing Applications (ICSIPA)**, Kuching, Malaysia; DOI: 10.1109/ICSIPA.2017.8120574.
- 12. **Raja Hasan**, Syed Muhammad G Monir; "Archetypal coherent color acquisition: An experimentation in the field of color based object recognition"; **TENCON 2017 2017 IEEE Region 10 Conference**, Penang, Malaysia; DOI: 10.1109/TENCON.2017.8228067.
- 13. Syed Zulqadar Hassan, Hui Li, Tariq Kamal, Ugur Arifoglu, **Ali Arsalan**, Asif Kabir; "Design and control of wind/supercapacitor/battery/diesel engine power plant; **2017 International Conference on Innovations in Electrical Engineering and Computational Technologies (ICIEECT)**; Karachi, Pakistan; DOI:10.1109/ICIEECT.2017.7916542.
- 14. Tariq Kamal, Murat Karabacak, Syed Zulqadar Hassan, Hui Li, **Ali Arsalan**, Rajprasad Kumar Rajkumar; "Integration and control of an off-grid hybrid wind/PV generation system for rural applications"; **2017 International Conference on Innovations in Electrical Engineering and Computational Technologies (ICIEECT),** Karachi, Pakistan; DOI: 10.1109/ICIEECT.2017.7916543.
- 15. **Raja Hasan**, Syed Muhammad G Monir; "Viable vestige segregation by support vectors: An implementation for background, shadow and unnecessary fragment amputation of Guava"; **TENCON 2017 2017 IEEE Region 10 Conference**, Penang, Malaysia; DOI: 10.1109/TENCON.2017.8228231.

- 16. **Ayesha Hassan, Asma Mahar, Naveed,** Sidra Saeed Gillani, **Yasir Siddiqui**, **Arsalan Jawed**; "Efficiency Improvement of a Wireless Power Transfer System"; **2017 2nd International Electrical Engineering Conference (IEEC 2017)**, Karachi, Pakistan; DOI: http://iepkarachi.org.pk/2nd intlnew/2nd IEEC 2017 paper 24.pdf.
- 17. **Ali Asghar, Muhammad Mazher Iqbal, Waqar Ahmed, Mujahid Ali, Husain Parvez**, Muhammad Rashid; "Logic algebra for exploiting shared SRAM-table based FPGAs for large LUT inputs"; **2017 First International Conference on Latest trends in Electrical Engineering and Computing Technologies (INTELLECT)**; Karachi, Pakistan; DOI: 10.1109/INTELLECT.2017.8277632.
- 18. Muhammad Aaqib Shahbaz, Zain Hussain Warsi, Shahzadi Mahaa Irshad, Shahzada Taha Irshad, Syed Arsalan Jawed; "Design and analysis of CMOS MEMS based single proof mass Tri-axial capacitive accelerometer with readout integrated circuit"; 2017 First International Conference on Latest trends in Electrical Engineering and Computing Technologies (INTELLECT); Karachi, Pakistan; DOI: 10.1109/INTELLECT.2017.8277644.
- 19. Ayesha Hassan, Asma Mahar, Naveed, Yasir Siddiqui, Syed Arsalan Jawed; "A 200MHz wireless power transfer system using highly efficient regulating reconfigurable rectifier with backscattering communication"; 2017 First International Conference on Latest trends in Electrical Engineering and Computing Technologies (INTELLECT); Karachi, Pakistan; DOI: 10.1109/INTELLECT.2017.8277647.
- 20. **Muhammad Yaseen Khan, Shah Muhammad Emaduddin, Khurum Nazir Junejo**; "Harnessing English Sentiment Lexicons for Polarity Detection in Urdu Tweets: A Baseline Approach"; **2017 IEEE 11th International Conference on Semantic Computing (ICSC)**; San Diego, CA, USA; DOI: 10.1109/ICSC.2017.68.
- 21. Yasir Siddiqui, Naveed Ahmed, Muhammad Aaqib Shahbaz, Syed Arsalan Jawed; "Process and temperature invariant on-chip current reference circuit"; 2017 First International Conference on Latest trends in Electrical Engineering and Computing Technologies (INTELLECT); Karachi, Pakistan; DOI: 10.1109/INTELLECT.2017.8277643.
- 22. **Khurum Nazir Junejo**; "Distribution shift resilient discrimination information space for SVM classification"; **2017 8th IEEE Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON)**, Vancouver, BC, Canada; DOI: 10.1109/IEMCON.2017.8117148.