

# Shoab Ahmed Khan

Adjunct Faculty

College of Electrical & Mechanical Engineering

Email: kshoab@yahoo.com

Contact: 051-2229561

LinkedIn:

7

## About

Dr. Shoab Ahmed Khan is working as Adjunct Faculty in the College of Electrical & Mechanical Engineering. Dr. Shoab Ahmed Khan has a PhD in Phd In Electrical And Computer Engineering. Dr. Shoab Ahmed Khan has published 247 research articles & conference papers having a citation count of 1751, carried out 11 projects and filed 0 intellectual property.

## Qualifications

<b>PhD in Phd In Electrical And Computer Engineering</b> Georgia Institute of Technology , Pakistan	1992 - 1996
<b>MS in Dsp, Vlsi</b> Georgia Institute of Technology , Pakistan	1991 - 1992
<b>BS in Avionics Engineering</b> College of Aeronautics , Pakistan	1985 - 1989

## Experience

<b>Adjunct Faculty</b> College of Electrical & Mechanical Engineering	2022 - 2022
<b>Adjunct Faculty</b> College of Electrical & Mechanical Engineering	2020 - 2022
<b>Defence Faculty</b> College of Electrical & Mechanical Engineering	2020 - 2020
<b>Defence Faculty</b> College of Electrical & Mechanical Engineering	2006 - 2020
<b>Professor</b> College of E&ME, NUST , DC&SE CE&ME, NUST Peshawar Road Rawalpindi	1997 - 2020

## Research Projects

---

### National Projects

<b>Industry 4.0</b>	2019
<b>Funding Agency:</b> IGNITE	
<b>Amount:</b> PKR 10,000.00	
<b>Status:</b> Completed	
<b>VAP (Virtually Accessible Physical) IoT Lab</b>	2019
<b>Funding Agency:</b> HEC	
<b>Amount:</b> PKR 15,978,000.00	
<b>Status:</b> Completed	
<b>Scene Analysis and Video Tagging using Surveillance Camera.</b>	2018
<b>Funding Agency:</b> IGNITE	
<b>Amount:</b> PKR 80,000.00	
<b>Status:</b> Completed	
<b>IoT Based Smart Solution.</b>	2018
<b>Funding Agency:</b> IGNITE	
<b>Amount:</b> PKR 70,000.00	
<b>Status:</b> Completed	
<b>Wavelet Based Real Time Ventricular Arrhythmia Detection and Classification</b>	2007
<b>Funding Agency:</b> NUST	
<b>Amount:</b> PKR 210,000.00	
<b>Status:</b> Completed	
<b>Software Defined Radio Implementation on GNU Radio</b>	2007
<b>Funding Agency:</b> NUST	
<b>Amount:</b> PKR 100,000.00	
<b>Status:</b> Completed	
<b>Artillery Tactical Command and Reporting System (ATCARS)</b>	2007
<b>Funding Agency:</b> NUST	
<b>Amount:</b> PKR 232,000.00	
<b>Status:</b> Completed	
<b>Software Defined Radio Based Frequency Hopped Spread Spectrum Transceiver</b>	2007
<b>Funding Agency:</b> HEC	
<b>Amount:</b> PKR 3,483,000.00	
<b>Status:</b> Completed	
<b>BIONIC Ear (Development of Cochlear Implant)</b>	2007
<b>Funding Agency:</b> NUST	
<b>Amount:</b> PKR 818,000.00	
<b>Status:</b> Completed	
<b>Remote Operated Weapon System (ROWS)</b>	2018
<b>Funding Agency:</b> NUST	
<b>Amount:</b> PKR 300,000.00	
<b>Status:</b> Completed	
<b>Management Information and Decision Support System for Monitoring and Evaluation of HEC Funded Projects</b>	2018
<b>Funding Agency:</b> HEC	
<b>Amount:</b> PKR 5,992,317.00	
<b>Status:</b> Completed	

### International Projects

## Research Articles

---

<b>AI-CADS: An Artificial Intelligence based framework for automatic early detection and severity evaluation of coronary artery disease</b>	2025
<i>Muhammad Sajid Ali Hassan Dilshad Ahmed Khan Shoab Ahmed Khan Asim Dilawar Bakhshi Sayed Tanveer Abbas Gilani Muhammad Usman Akram Mustansar Ali Ghazanfar</i>	

<i>Biomedical Signal Processing and Control</i> , Volume:106, Article Number: 107705, Pages:10	
<b>Impact Factor:</b> 4.9   <b>Quartile:</b> 1	
<b>DOI:</b> <a href="https://doi.org/10.1016/j.bspc.2025.107705">https://doi.org/10.1016/j.bspc.2025.107705</a>	
<b>AI-CADR: Artificial Intelligence Based Risk Stratification of Coronary Artery Disease using Novel Non-invasive Biomarkers</b>	2024
<i>Muhammad Sajid Ali Hassan Dilshad Ahmed Khan Shoab Ahmed Khan Asim Dilawar Bakhshi Muhammad Usman Akram Mishal Babar Farhan Hussain Wadood Abdul</i>	
<i>IEEE Journal of Biomedical and Health Informatics</i> , Volume:28, Issue:12, Page(s):7543-7552	
<b>Impact Factor:</b> 6.700   <b>Quartile:</b> 1   <b>Citations:</b> 3	
<b>DOI:</b> <a href="https://doi.org/10.1109/JBHI.2024.3453911">https://doi.org/10.1109/JBHI.2024.3453911</a>	
<b>A novel data driven anticipatory framework for the communicable syndrome</b>	2024
<i>Tahira Sadaf Usman Qamar Shoab Ahmed Khan Sameera Amjad</i>	
<i>Engineering Applications of Artificial Intelligence</i> , Volume 132, Article Number 107929	
<b>Impact Factor:</b> 7.500   <b>Quartile:</b> 1   <b>Citations:</b> 1	
<b>DOI:</b> <a href="https://doi.org/10.1016/j.engappai.2024.107929">https://doi.org/10.1016/j.engappai.2024.107929</a>	
<b>An IoT-enabled real-time dynamic scheduler for Flexible Job Shop Scheduling (FJSS) in an Industry 4.0 Based Manufacturing Execution System (MES 4.0)</b>	2024
<i>Anum Tariq Shoab Ahmed Khan Wasi Haider Butt Asim Javaid Tehmina Shehryar</i>	
<i>IEEE Access</i> , Volume 12, Pages 49653-49666	
<b>Impact Factor:</b> 3.4   <b>Quartile:</b> 2   <b>Citations:</b> 10	
<b>DOI:</b> <a href="https://doi.org/10.1109/ACCESS.2024.3384252">10.1109/ACCESS.2024.3384252</a>	
<b>A Knowledge Base Technique for Detecting Multiple High-Speed Serial Interface Synchronization Errors in Multiprocessor-Based Real-Time Embedded Systems</b>	2022
<i>Sabeen Masood Shoab Ahmed Khan Ali Hassan Fatima Khaliq</i>	
<i>Electronics</i> , Volume:11, Issue:18, Article Number 2945	
<b>Impact Factor:</b> 2.690   <b>Quartile:</b> 3	
<b>DOI:</b> <a href="https://doi.org/10.3390/electronics11182945">doi.org/10.3390/electronics11182945</a>	
<b>Industry 4.0 Based Business Process Re-Engineering Framework for Manufacturing Industry Setup Incorporating Evolutionary Multi-Objective Optimization</b>	2022
<i>Anum Tariq Shoab Ahmed Khan</i>	
<i>IEICE Transactions on Information and Systems</i> , Volume E105D, Issue 7, Pages 1283-1295	
<b>Impact Factor:</b> 0.700   <b>Quartile:</b> 4   <b>Citations:</b> 3	
<b>DOI:</b> <a href="https://doi.org/10.1587/transinf.2022EDP7021">https://doi.org/10.1587/transinf.2022EDP7021</a>	
<b>Knowledge and Data-Driven Framework for Designing a Computerized Physician Order Entry System</b>	2022
<i>Sidra Ejaz Brig. Shoab Ahmed Khan Farhan Hussain</i>	
<i>IEEE Access</i> , Volume 10, Pages 40953-40966	
<b>Impact Factor:</b> 3.367   <b>Quartile:</b> 2   <b>Citations:</b> 6	
<b>DOI:</b> <a href="https://doi.org/10.1109/ACCESS.2022.3167517">10.1109/ACCESS.2022.3167517</a>	
<b>A Novel Data-Driven Adaptive Technique to Generate a Physician Visiting Schedule for Better Patient Experience</b>	2022
<i>Saria Safdar Shoab Ahmed Khan Arsalan Shaukat</i>	
<i>IEEE Access</i> , Volume 10, Pages 3935-3948	
<b>Impact Factor:</b> 3.367   <b>Quartile:</b> 2   <b>Citations:</b> 4	
<b>DOI:</b> <a href="https://doi.org/10.1109/ACCESS.2021.3138460">10.1109/ACCESS.2021.3138460</a>	
<b>A Decision Support Framework for National Crop Production Planning</b>	2021
<i>Nida Rasheed Shoab Ahmed Khan Ali Hassan Saria Safdar</i>	
<i>IEEE Access</i> , Volume 9, Pages 133402-133415	
<b>Impact Factor:</b> 3.367   <b>Quartile:</b> 2   <b>Citations:</b> 13	
<b>DOI:</b> <a href="https://doi.org/10.1109/ACCESS.2021.3115801">10.1109/ACCESS.2021.3115801</a>	
<b>Early MCI-to-AD Conversion Prediction Using Future Value Forecasting of Multimodal Features</b>	2021
<i>Sidra Minhas Aasia Khanum Atif Alvi Farhan Riaz Shoab Ahmed Khan Fawaz Alsolami Muazzam Khattak</i>	
<i>Computational Intelligence and Neuroscience</i> , Volume 2021, Article ID 6628036, 12 pages	
<b>Impact Factor:</b> 3.120   <b>Quartile:</b> 2   <b>Citations:</b> 13	
<b>DOI:</b> <a href="https://doi.org/10.1155/2021/6628036">https://doi.org/10.1155/2021/6628036</a>	
<b>Need-Based and Optimized Health Insurance Package Using Clustering Algorithm</b>	2021

*Irum Matloob Brig. Shoab Ahmed Khan Farhan Hussain Wasi Haider Butt Rukaiya Rukaiya Fatima Khaliq*  
*Applied Sciences* , Volume 11, Issue 18, Article No. 8478

**Impact Factor:** 2.679 | **Quartile:** 2 | **Citations:** 7  
**DOI:** 10.3390/app11188478

**A novel framework for testing high-speed serial interfaces in multiprocessor based real-time embedded system**

2021

*Sabeen Masood Shoab Ahmed Khan Ali Hassan Urooj Fatima*  
*Applied Sciences* , Volume 11, Issue 16, Article Number 7465

**Impact Factor:** 2.838 | **Quartile:** 2 | **Citations:** 3  
**DOI:** <https://doi.org/10.3390/app11167465>

**An incremental learning approach to automatically recognize pulmonary diseases from the multi-vendor chest radiographs**

2021

*Mehreen Sirshar Taimur Hassan Shoab Ahmad Khan Muhammad Usman Akram*  
*Computers in Biology and Medicine*, Volume 134, Article Number 104435

**Impact Factor:** 6.698 | **Quartile:** 1 | **Citations:** 42  
**DOI:** <https://doi.org/10.1016/j.combiomed.2021.104435>

**Multiple Disease Hotspot Mining for Public Health Informatics in Resource Starved Settings: Study of Communicable Diseases in Punjab, Pakistan**

2021

*Shoab Ahmed Khan Fatima Khaliq*  
*IEEE Access* , Volume 9, Pages 89989-89998

**Impact Factor:** 3.367 | **Quartile:** 2 | **Citations:** 2  
**DOI:** <https://doi.org/10.1109/ACCESS.2021.3091655>

**A Fuzzy Logic-Based Framework for Mapping Crime Data on Established Sociological Hypothesis for Societal Disorder Identification and Prevention**

2021

*Sobia Khalid Shoab Ahmed Khan Syed Qasim Ifzal*  
*IEEE Access* , Volume 9, Pages 80197-80207

**Impact Factor:** 3.476 | **Quartile:** 2  
**DOI:** 10.1109/ACCESS.2017.DOI

**Capturing the real customer experience based on the parameters in the call detail records**

2021

*Nusratullah Khan Muhammad Usman Akram Asadullah Shah Norah Saleh Alghamdi Shoab Ahmed Khan*  
*Multimedia Tools and Applications* , Pages 1-23

**Impact Factor:** 2.757 | **Quartile:** 2 | **Citations:** 1  
**DOI:** <https://doi.org/10.1007/s11042-021-10897-x>

**A Stochastic Distribution Based Methodology to Estimate Control Phase Time for Software-Defined Radios in Tactical MANETs**

2021

*Rukaiya Rukaiya Muazzam A. Khan Khattak Irum Matloob Irum Nosheen Shoab Ahmed Khan Muhammad Umar Farooq*  
*IEEE Access* , Volume 9, Page 71687-71698

**Impact Factor:** 3.476 | **Quartile:** 2 | **Citations:** 7  
**DOI:** 10.1109/ACCESS.2021.3079173

**Adaptive Multi-Input Medium Access Control (AMI-MAC) Design using Physical Layer Cognition for Tactical SDR Networks**

2021

*Muhammad Zeeshan Kashif Shahzad Muhammad Umar Farooq Shoab Ahmad Khan*  
*IEEE Access* , Vol. 9, pp. 58364-58377

**Impact Factor:** 3.745 | **Quartile:** 2 | **Citations:** 7  
**DOI:** 10.1109/ACCESS.2021.3073030

**AirMatch: An automated mosaicing system with video preprocessing engine for multiple aerial feeds**

2021

*Nida Rasheed Shoab Ahmad Khan Waqar Shahid Qureshi Manshoor A Naqvi Eisa Alanzi*  
*IEICE Transactions on Information and Systems*, Volume E104.D, Issue 4, Pages 490-499

**Impact Factor:** 0.695 | **Quartile:** 4 | **Citations:** 2  
**DOI:** <https://doi.org/10.1587/transinf.2020EDK0003>

**A Novel Self-Forming Virtual Sub-Nets Based Cross-Layer MAC Protocol for Multihop Tactical Network**

2021

*Rukaiya Rukaiya Farhan Hussain Shoab Ahmed Khan Muhammad Umar Farooq*  
*Applied Sciences* , Volume 11(6), Article Number 2470

**Impact Factor:** 2.838 | **Quartile:** 2 | **Citations:** 3  
**DOI:** 10.3390/app11062470

<b>CFFD-MAC: A Hybrid MAC for Collision Free Full-Duplex Communication in Wireless Ad-Hoc Networks</b> <i>Rukaiya Rukaiya Farhan Hussain Adnan Akhunzada Shoab Ahmed Khan Muhammad Umar Farooq</i> <i>IEEE Access</i> , Volume 9, Page 35584-35598 <b>Impact Factor:</b> 3.476   <b>Quartile:</b> 2   <b>Citations:</b> 15 <b>DOI:</b> 10.1109/ACCESS.2021.3061943	2021
<b>Genetic Algorithm Based Automatic Out-Patient Experience Management System (GAPEM) Using RFIDs and Sensors</b> <i>Saria Safdar Shoab Ahmed Khan Arsalan Shaukat Muhammad Usman Akram</i> <i>IEEE Access</i> , Volume 9, Pages 8961-8976 <b>Impact Factor:</b> 3.367   <b>Quartile:</b> 2   <b>Citations:</b> 10 <b>DOI:</b> 10.1109/ACCESS.2020.3046839	2021
<b>Extraction of Retinal Layers Through Convolution Neural Network (CNN) in an OCT Image for Glaucoma Diagnosis</b> <i>Hina Raja Muhammad Usman Akram Arsalan Shaukat Norah Alghamdi Sajid Gul Khawaja Noman Nazir Shoab Ahmad Khan</i> <i>Journal of Digital Imaging</i> , Volume 33, Pages 1428-1442 <b>Impact Factor:</b> 4.056   <b>Quartile:</b> 1   <b>Citations:</b> 39 <b>DOI:</b> 10.1007/s10278-020-00383-5	2020
<b>Spatio-temporal investigations of dengue fever in Pakistan through an HL7 based public health framework for hotspot analysis</b> <i>Fatima Khaliq Rubina Shaheen Shoab Ahmed Khan</i> <i>IEEE Access</i> , Volume 8, Pages 199980-199994 <b>Impact Factor:</b> 3.367   <b>Quartile:</b> 2   <b>Citations:</b> 5 <b>DOI:</b> 10.1109/ACCESS.2020.3027234	2020
<b>Sequence Mining and Prediction-Based Healthcare Fraud Detection Methodology</b> <i>Irum Matloob Shoab Ahmed Khan Habib Ur Rahman</i> <i>IEEE Access</i> , Volume 8, Pages 143256-143273 <b>Impact Factor:</b> 3.367   <b>Quartile:</b> 2   <b>Citations:</b> 28 <b>DOI:</b> DOI: 10.1109/ACCESS.2020.3013962	2020
<b>Medical Health Benefit Management System for Real-Time Notification of Fraud Using Historical Medical Records</b> <i>Irum Matloob Shoab Ahmad Khan Habib-ur-Rahman Farhan Hussain</i> <i>Applied Sciences</i> , Volume 10(15), Article Number 26 <b>Impact Factor:</b> 2.679   <b>Quartile:</b> 2   <b>Citations:</b> 10 <b>DOI:</b> <a href="https://doi.org/10.3390/app10155144">https://doi.org/10.3390/app10155144</a>	2020
<b>Security Requirements Engineering Framework with BPMN 2.0.2 Extension Model for Development of Information Systems</b> <i>Saima Zareen Adeel Akram Shoab Ahmad Khan</i> <i>Applied Sciences</i> , Volume 10(14), Article Number 498 <b>Impact Factor:</b> 2.679   <b>Quartile:</b> 2   <b>Citations:</b> 29 <b>DOI:</b> <a href="https://doi.org/10.3390/app10144981">https://doi.org/10.3390/app10144981</a>	2020
<b>An Integrated Approach for Spatio-Temporal Cholera Disease Hotspot Relation Mining for Public Health Management in Punjab, Pakistan</b> <i>Fatima Khaliq Shoab Ahmad Khan Wasi Haider Butt Irum Matloob</i> <i>International Journal of Environmental Research and Public Health</i> , Volume 17, Issue 11, Article Number 3763 <b>Impact Factor:</b> 3.390   <b>Quartile:</b> 1   <b>Citations:</b> 8 <b>DOI:</b> <a href="https://doi.org/10.3390/ijerph17113763">https://doi.org/10.3390/ijerph17113763</a>	2020
<b>Self-Forming Multiple Sub-Nets Based Protocol for Tactical Networks Consisting of SDRs</b> <i>Rukaiya Shoab Amad Khan</i> <i>IEEE Access</i> , Volume: 8, Pages 88042-88059 <b>Impact Factor:</b> 3.367   <b>Quartile:</b> 2   <b>Citations:</b> 7 <b>DOI:</b> DOI: 10.1109/ACCESS.2020.2992599	2020
<b>Finding the Unique Permutation Matrix for Reverse Order Kronecker Product Intuitively</b> <i>Sajid Gul Khawaja Muhammad G. Ali Muhammad G. Ali Shoab Amad Khan</i> <i>International Journal of Computer Theory and Engineering</i> , Vol. 11, No. 6, Pages 107-111 <b>Impact Factor:</b> -	2019

DOI: 10.7763/IJCTE.2019.V11.1252

**Multiprocessor architecture for real-time applications using mean shift clustering** 2019

Amna Tehreem Sajid Gul Khawaja Asad Mansoor Khan Muhammad Usman Akram Shoab A. Khan

*Journal of Real-Time Image Processing*, Volume 16, Pages: 2233-2246

**Impact Factor:** 1.968 | **Quartile:** 3 | **Citations:** 4

**DOI:** 10.1007/s11554-017-0733-0

**A novel hybrid narrowband/wideband networking waveform physical layer for multiuser multiband transmission and reception in software defined radio** 2019

Kashif Shahzad Sumbul Gulzar Muhammad Zeeshan Shoab Ahmed Khan

*Physical Communication*, Volume: 36 Article Number: UNSP 100790

**Impact Factor:** 1.594 | **Quartile:** 3 | **Citations:** 7

**DOI:** 10.1016/j.phycom.2019.100790

**Key individual identification using dimensional relevance in the stratum of networks** 2019

Fozia Noor Muhammad Usman Akram Asadullah Shah Shoab Ahmad Khan

*Journal of Intelligent & Fuzzy Systems*, Volume 37, Issue 2, Pages 2153-2167

**Impact Factor:** 1.851 | **Quartile:** 3

**DOI:** 10.3233/JIFS-181517

**A Framework for Public Health Monitoring, Analytics and Research** 2019

Fatima Khaliq Irum Nosheen Shoab Ahmad Khan

*IEEE Access*, Volume: 7, Pages: 101309-101326

**Impact Factor:** 3.745 | **Quartile:** 1 | **Citations:** 23

**DOI:** DOI:10.1109/ACCESS.2019.2930730

**A Cross-Layer Design for a Multihop, Self-Healing, and Self-Forming Tactical Network** 2019

Irum Nosheen Umar Ali Irum Nosheen Shoab Ahmad Khan Umar Ali

*Wireless Communications and Mobile Computing*, Article Number: 1523906, Pages 1-17

**Impact Factor:** 1.819 | **Quartile:** 3 | **Citations:** 7

**DOI:** 10.1155/2019/1523906

**A Mathematical Model for Cross Layer Protocol Optimizing Performance of Software-Defined Radios in Tactical Networks** 2019

IRUM NOSHEEN SHOAB A. KHAN FATIMA KHALIQUE

*IEEE Access*, Volume 7, Pages 20520-20530

**Impact Factor:** 3.745 | **Quartile:** 1 | **Citations:** 16

**DOI:** 10.1109/ACCESS.2019.2896363

**CPS-based fully automatic cardiac left ventricle and left atrium segmentation in 3D MRI** 2019

Ibtihaj Ahmad Farhan Hussain Shoab Ahmed Khan Usman Akram Gwanggil Jeon

*Journal of Intelligent & Fuzzy Systems*, Volume 36, Issue 5, Pages 4153-4164

**Impact Factor:** 1.851 | **Quartile:** 3 | **Citations:** 5

**DOI:** 10.3233/JIFS-169974

**A Parallel Architecture for the Partitioning around Medoids (PAM) Algorithm for Scalable Multi-Core Processor Implementation with Applications in Healthcare** 2018

Hassan Mushtaq Sajid Gul Khawaja Muhammad Usman Akram Amanullah Yasin Muhammad Muzammal Shehzad Khalid Shoab Ahmad Khan

*Sensors*, NULL

**Impact Factor:** 3.031 | **Quartile:** 1 | **Citations:** 9

**DOI:** https://doi.org/10.3390/s18124129

**Multilayered Deep Structure Tensor Delaunay Triangulation and Morphing Based Automated Diagnosis and 3D Presentation of Human Macula** 2018

Taimur Hassan M. Usman Akram Mahmood Akhtar Shoab Ahmad Khan Ubaidullah Yasin

*Journal of Medical Systems*, NULL

**Impact Factor:** 2.415 | **Quartile:** 2 | **Citations:** 17

**DOI:** https://doi.org/10.1007/s10916-018-1078-3

**A methodological review of 3D reconstruction techniques in tomographic imaging** 2018

Imran Shafi Usman Khan AmanUllah Yasin Muhammad Abid Shoab Ahmed Khan

*Journal of Medical Systems*, Journal of Medical Systems Volume: 42 Issue: 10

**Impact Factor:** 2.415 | **Quartile:** 2 | **Citations:** 44

**DOI:** 10.1007/s10916-018-1042-2

<b>Decision support system for detection of hypertensive retinopathy using arteriovenous ratio</b> <i>Shahzad Akbar Muhammad Usman Akram Muhammad Sharif Anam Tariq Shoab A. Khan</i> <i>Artificial Intelligence In Medicine</i> , NULL <b>Impact Factor:</b> 3.574   <b>Quartile:</b> 1   <b>Citations:</b> 77 <b>DOI:</b> <a href="https://doi.org/10.1016/j.artmed.2018.06.004">https://doi.org/10.1016/j.artmed.2018.06.004</a>	2018
<b>Predicting Progression From Mild Cognitive Impairment to Alzheimer?s Disease Using Autoregressive Modelling of Longitudinal and Multimodal Biomarkers</b> <i>Sidra Minhas Aasia Khanum Farhan Riaz Shoab A. Khan Atif Alvi</i> <i>IEEE Journal of Biomedical and Health Informatics</i> , Volume: 22, Issue: 3, Pages 818-825 <b>Impact Factor:</b> 4.217   <b>Quartile:</b> 1   <b>Citations:</b> 44 <b>DOI:</b> 10.1109/JBHI.2017.2703918	2018
<b>Deployment of social nets in multilayer model to identify key individuals using majority voting</b> <i>Fozia Noor Asadullah Shah Mohammad Usman Akram Shoab Ahmad Khan</i> <i>KNOWLEDGE AND INFORMATION SYSTEMS</i> , NULL <b>Impact Factor:</b> 2.397   <b>Quartile:</b> 2   <b>Citations:</b> 2 <b>DOI:</b> <a href="https://doi.org/10.1007/s10115-018-1187-9">https://doi.org/10.1007/s10115-018-1187-9</a>	2018
<b>Trajectory based vehicle counting and anomalous event visualization in smart cities</b> <i>Fozia Mehboob Muhammad Abbas Richard Jiang Abdul Rauf Shoab Ahmed Khan Saad Rehman</i> <i>Cluster Computing-The Journal of Networks Software Tools and Applications</i> , Volume: 21 Issue: 1 Pages: 443-452 Special Issue: SI <b>Impact Factor:</b> 1.851   <b>Quartile:</b> 2   <b>Citations:</b> 13 <b>DOI:</b> 10.1007/s10586-017-0885-5	2018
<b>A Nonparametric Approach for Mild Cognitive Impairment to AD Conversion Prediction: Results on Longitudinal Data</b> <i>Sidran Minhas Aasia Khanum Farhan Riaz Atif Alvi Shoab A Khan</i> <i>IEEE Journal of Biomedical and Health Informatics</i> , Volume: 21, Issue: 5, Pages: 1403-1410 <b>Impact Factor:</b> 3.85   <b>Quartile:</b> 1   <b>Citations:</b> 33 <b>DOI:</b> 10.1109/JBHI.2016.2608998	2017
<b>Glyph-based video visualization on Google Map for surveillance in smart cities</b> <i>Fozia Mehboob Muhammad Abbas Shoab A. Khan Richard Jiang Ahmed Bouridane Saad Rehman</i> <i>EURASIP Journal on Image and Video Processing</i> , Article Number: 28 <b>Impact Factor:</b> 1.737   <b>Quartile:</b> 2   <b>Citations:</b> 15 <b>DOI:</b> 10.1186/s13640-017-0175-4	2017
<b>A cross layer error control scheme for efficient WLAN multimedia streaming</b> <i>Muhammad Usman Akram Saima Shaheen Aasia Khanum Shoab Ahmed Khan Muhammad Younas Javed</i> <i>Multimedia Tools and Applications</i> , Multimedia Tools and Applications, Volume 76, Issue 5, Pages 6663-6682, 1 March 2017 <b>Impact Factor:</b> 1.541   <b>Quartile:</b> 2   <b>Citations:</b> 2 <b>DOI:</b> 10.1007/s11042-016-3308-3	2017
<b>Congestion analysis of pilgrims in Hajj and Umrah congregation using block matching and optical flow</b> <i>Sumaiyya Farooq Shoab A Khan M Usman Akram</i> <i>Journal of Physics: Conference Series</i> , Volume 787, 012003 <b>Impact Factor:</b> 0 <b>DOI:</b> 10.1088/1742-6596/787/1/012003	2017
<b>Area and energy efficient CORDIC accelerator for embedded processor datapaths</b> <i>Abdul Rehman Buzdar Ligu Sun Shoab Ahmed Khan Abdullah Buzdar</i> <i>Informacije MIDEM - Journal of Microelectronics, Electronic Components and Materials</i> , Volume 46, Issue 4, Pages 197-208 <b>Impact Factor:</b> 0.478   <b>Quartile:</b> 4 <b>DOI:</b> -	2016
<b>Evaluating the significance of error checksums for wireless video streaming</b> <i>Saima Shaheen Aasia Khanum M. Usman Akram Shoab Ahmed Khan SangHyun Seo M. Younas Javed</i> <i>Multimedia Tools and Applications</i> , Volume: 75 Issue: 22 Pages: 14759-14781 <b>Impact Factor:</b> 1.530   <b>Quartile:</b> 2   <b>Citations:</b> 1 <b>DOI:</b> 10.1007/s11042-015-2636-z	2016
<b>Network-on-Chip based MPSoC architecture for k-mean clustering algorithm</b> <i>Sajid Gul Khawaja Muhammad Usman Akram Shoab Ahmed Khan Arsalan Shaukat Saad Rehman</i> <i>Microprocessors and Microsystems</i> , Volume 46, Part B, Pages 1-10	2016

<b>Impact Factor:</b> 1.025   <b>Quartile:</b> 3   <b>Citations:</b> 5 <b>DOI:</b> 10.1016/j.micpro.2016.08.006	
<b>A Novel Fuzzy Inference-Based Technique for Dynamic Link Adaptation in SDR Wideband Waveform</b> <i>Muhammad Zeeshan Shoab Ahmed Khan</i> <i>IEEE Transactions on Communications</i> , Volume 64, Issue 6, Pages 2602-2609 <b>Impact Factor:</b> 4.058   <b>Quartile:</b> 1   <b>Citations:</b> 12 <b>DOI:</b> 10.1109/TCOMM.2016.2560164	2016
<b>Satellite-based land use mapping: comparative analysis of Landsat-8, Advanced Land Imager, and big data Hyperion imagery</b> <i>Wasim Pervaiz Vali Uddin Shoab Ahmed Khan Junaid Aziz Khan</i> <i>Journal of Applied Remote Sensing</i> , Volume: 10, Article Number: 026004 <b>Impact Factor:</b> 1.107   <b>Quartile:</b> 3   <b>Citations:</b> 32 <b>DOI:</b> 10.1117/1.JRS.10.026004	2016
<b>Software Architecture Design on National Level for Vaccination Planning and Dispensing System</b> <i>Alishba Siab Khan Shoab Ahmad Khan</i> <i>American Scientific Research Journal for Engineering, Technology, and Sciences</i> , Volume 26, Issue No 3, Pages 304-316 <b>Impact Factor:</b> 0 <b>DOI:</b> -	2016
<b>Voice Morphing Based on Spectral Features and Prosodic Modification</b> <i>A. Qavi Shoab Ahmed Khan K. Basir</i> <i>International Journal of Signal Processing Systems</i> , Vol. 3, Issue No. 2, Pages 123-127 <b>Impact Factor:</b> 0 <b>DOI:</b> 10.12720/ijsp.3.2.123-127	2015
<b>A novel algorithm for link adaptation using fuzzy rule based system for wideband networking waveform of SDR</b> <i>Muhammad Zeeshan Shoab Ahmad Khan</i> <i>AEU - International Journal of Electronics and Communications</i> , Volume 69, Issue 9, Pages 1366-1373 <b>Impact Factor:</b> 0.786   <b>Quartile:</b> 3   <b>Citations:</b> 6 <b>DOI:</b> doi:10.1016/j.aeue.2015.06.001	2015
<b>A Novel Algorithm for Burst Detection in Wideband Networking Waveform of Software Defined Radio</b> <i>Shoab Ahmed Khan Muhammad Zeeshan</i> <i>IEICE Transactions on Fundamentals of Electronics, Communications and Computer Sciences</i> , Online ISSN:1745-1337, Print ISSN:0916-8508, Vol.E98-A, No.6, Pages 1225-1233, Jun 2015, Volume: E98A Issue: 6 Pages: 1225-1233 <b>Impact Factor:</b> 0.236   <b>Quartile:</b> 4   <b>Citations:</b> 2 <b>DOI:</b> 10.1587/transfun.E98.A.1225	2015
<b>Designing Area Optimized Application-Specific Network-On-Chip Architectures while Providing Hard QoS Guarantees</b> <i>Sajid Gul Khawaja Muhammad Usman Akram Mian Hamza Mushtaq Shoab A. Khan Habib ullah Jamal</i> <i>PLoS ONE</i> , Volume 10, Issue 4, Article Number e0125230 <b>Impact Factor:</b> 3.057   <b>Quartile:</b> 1   <b>Citations:</b> 6 <b>DOI:</b> 10.1371/journal.pone.0125230	2015
<b>A Two Stage Algorithm for Carrier Frequency Offset Recovery with DSP Implementation on SDR Platform</b> <i>Shoab Ahmad Khan Ibtasam Haq Muhammad Zeeshan</i> <i>IEICE Transactions on Communications</i> , Volume E97-B, No.11, Pages 2449-2458 <b>Impact Factor:</b> 0.227   <b>Quartile:</b> 4   <b>Citations:</b> 7 <b>DOI:</b> 10.1587/transcom.E97.B.2449	2014
<b>Covert Network Analysis for Key Player Detection and Event Prediction using a Hybrid Classifier</b> <i>Wasi Haider Butt M. Usman Akram Shoab Ahmed Khan Muhammad Younas Javed</i> <i>Scientific World Journal</i> , Volume 2014, Article ID 615431, 13 pages <b>Impact Factor:</b> 0   <b>Citations:</b> 5 <b>DOI:</b> 10.1155/2014/615431	2014
<b>Automated detection of exudates and macula for grading of diabetic macular edema</b> <i>M. Usman Akram Anam Tariq Shoab A. Khan M. Younus Javed</i> <i>Computer Methods and Programs in Biomedicine</i> , Volume 114, Issue 2, Pages 141-152	2014



<b>Impact Factor:</b> 1.897   <b>Quartile:</b> 1   <b>Citations:</b> 116 <b>DOI:</b> 10.1016/j.cmpb.2014.01.010	
<b>Detection and classification of retinal lesions for grading of diabetic retinopathy</b> <i>Muhammad Usman Akram Shehzad Khalid Anam Tariq Shoab Ahmed Khan Farooque Azam</i> <i>Computers in Biology and Medicine</i> , Volume 45, Pages 161-171 <b>Impact Factor:</b> 1.24   <b>Quartile:</b> 3   <b>Citations:</b> 281 <b>DOI:</b> 10.1016/j.combiomed.2013.11.014	2014
<b>Gap Analysis in Software Engineering Process Adoption in Implementing High End Embedded System Design</b> <i>Umm-e-Habiba Shoab Ahmad Khan Muhammad Younus Javed</i> <i>Journal of Applied Environmental and Biological Sciences</i> , Vol 4, Issue 7S, Pages 495-503 <b>Impact Factor:</b> 0 <b>DOI:</b> -	2014
<b>Automated Detection and Grading of Diabetic Maculopathy in Digital Retinal Images</b> <i>Anam Tariq M. Usman Akram Arsalan Shaukat Shoab A. Khan</i> <i>Journal of Digital Imaging</i> , Volume: 26 Issue: 4 Pages: 803-812 <b>Impact Factor:</b> 1.2   <b>Quartile:</b> 3   <b>Citations:</b> 62 <b>DOI:</b> 10.1007/s10278-012-9549-4	2013
<b>Employing Multiple Unmanned Aerial Vehicles for Co-Operative Path Planning</b> <i>Durdana Habib Habibullah Jamal Shoab A. Khan</i> <i>International Journal of Advanced Robotic Systems</i> , Volume: 10 Article Number: 235 <b>Impact Factor:</b> 0.497   <b>Quartile:</b> 4   <b>Citations:</b> 34 <b>DOI:</b> 10.5772/56286	2013
<b>Multilayered thresholding-based blood vessel segmentation for screening of diabetic retinopathy</b> <i>M. Usman Akram Shoab A. Khan</i> <i>Engineering with Computers</i> , Volume: 29 Issue: 2 Pages: 165-173 <b>Impact Factor:</b> 1.088   <b>Quartile:</b> 2   <b>Citations:</b> 127 <b>DOI:</b> 10.1007/s00366-011-0253-7	2013
<b>Robust Sampling Clock Recovery Algorithm for wideband networking waveform of SDR</b> <i>Shoab Ahmad Khan Muhammad Zeeshan</i> <i>International Journal of Communication Networks and Information Security</i> , Volume 5, No. 1, Pages 10-18 <b>Impact Factor:</b> N/A <b>DOI:</b> -	2013
<b>Hidden Members and Key Players Detection in Covert Networks Using Multiple Heterogeneous Layers</b> <i>Wasi Haider Butt Usman Qamar Shoab A. Khan</i> <i>Journal of Industrial and Intelligent Information</i> , Vol. 2, Issue No. 2, Pages 142-146 <b>Impact Factor:</b> 0 <b>DOI:</b> 10.12720/jiii.2.2.142-146	2013
<b>Performance Oriented Design Perspectives of Run-Time Reconfigurable Computing Systems</b> <i>Muhammad Aqeel Iqbal Shoab A. Khan</i> <i>Middle-East Journal of Scientific Research</i> , Vol 28, Issue No 8, Pages 1051-1060 <b>Impact Factor:</b> 0 <b>DOI:</b> -	2013
<b>Identification and classification of microaneurysms for early detection of diabetic retinopathy</b> <i>M. Usman Akram Shehzad Khalid Shoab A. Khan</i> <i>Pattern Recognition</i> , Volume 46, Issue 1, Pages 107-116 <b>Impact Factor:</b> 2.584   <b>Quartile:</b> 1   <b>Citations:</b> 278 <b>DOI:</b> 10.1016/j.patcog.2012.07.002	2013
<b>High Speed Computational Unit Design for Reconfigurable Instruction Set Processors</b> <i>M. Aqeel Iqbal Shoab Ahmed Khan</i> <i>Middle-East Journal of Scientific Research</i> , Vol.15, No 8, Pages 1125-133 <b>Impact Factor:</b> 0 <b>DOI:</b> 10.5829/idosi.mejsr.2013.15.8.1830	2013
<b>A hierarchical k-means clustering based fingerprint quality classification</b> <i>Muhammad Umer Munir Muhammad Younus Javed Shoab Ahmad Khan</i>	2012

Neurocomputing , Volume 85, Pages 62-67

**Impact Factor:** 1.634 | **Quartile:** 2 | **Citations:** 22

**DOI:** 10.1016/j.neucom.2012.01.002

**Measuring the Impact of Changing Requirements on Software Project Cost: An Empirical Investigation**

2012

Bushra Sharif Shoab Ahmad Khan Muhammad Wasim Bhatti

International Journal of Computer Science Issues , Vol. 9, Issue 3

**Impact Factor:** 0

**DOI:** -

**Exploring High Performance Processing Through Reconfigurable Computing Systems**

2012

Muhammad Aqeel Iqbal Shoab Ahmad Khan

Journal of Basic and Applied Scientific Research, Vol 2, Issue No 10, Pages 10185-10202

**Impact Factor:** 0

**DOI:** -

**Prioritized direction based switch for bufferless network on chip architecture**

2011

Sajid Gul Khawaja Mian Hamza Mushtaq Shoab Ahmed Khan

International Journal of Electrical and Computer Sciences, Volume 11 No. 4, Pages 23-29

**Impact Factor:** N/A

**DOI:** 115704-8383-IJECS-IJENS

**A feature level multimodal approach for palmprint identification using directional subband energies**

2011

Atif Bin Mansoor Hassan Masood Mustafa Mumtaz Shoab Ahmed Khan

Journal of Network and Computer Applications, Volume 34, Issue 1, Pages 159-171

**Impact Factor:** 1.065 | **Quartile:** 2 | **Citations:** 22

**DOI:** <https://doi.org/10.1016/j.jnca.2010.08.004>

**FPGA Fabric Specific Optimization for RTL Design**

2010

Aqib Perwaiz Shoab A Khan Hamid M Kamboh

Pakistan Journal of Engineering and Applied Sciences, Volume 6, Pages 52-57

**Impact Factor:** 0

**DOI:** [https://journal.uet.edu.pk/ojs\\_old/index.php/pjeas/article/view/186](https://journal.uet.edu.pk/ojs_old/index.php/pjeas/article/view/186)

**An HLA Based Real Time Simulation Engine for Man-in-Loop Net Centric System**

2010

Asad Waqar Malik Shoab A Khan S. Rauf ul Hassan

Pakistan Journal of Engineering and Applied Sciences, Vol 7, Pages 47-54

**Impact Factor:** 0

**DOI:** -

## Conference Proceedings

**A Decision Making Approach for Street Lockdown to Cope with Covid-19 Cases by Using Shortest Path**

2022

**Selection Mechanism for Unplanned Colonies**

Tahira Sadaf Shoab A Khan Usman Qamar

2022 2nd International Conference on Digital Futures and Transformative Technologies (ICoDT2), res.country(177,)

**Citations:** N/A

**DOI:** 10.1109/ICoDT255437.2022.9787478

**Framework for Dynamic Partial Configuration of Algorithms for Zynq-7000 SoC using JPEG as Case Study**

2022

Sajid Gul Khawaja Arsalan Shaukat Muhammad Usama Iqbal Shoab Ahmed Khan

2022 2nd International Conference on Digital Futures and Transformative Technologies (ICoDT2), res.country(282,)

**Citations:** N/A

**DOI:** 10.1109/ICoDT255437.2022.9787460

**When Business Process Re-engineering meets Industry 4.0: A concept paper**

2021

Anum Tariq Shoab Ahmed Khan

2021 International Conference on Frontiers of Information Technology (FIT), res.country(177,)

**Citations:** N/A

**DOI:** 10.1109/FIT53504.2021.00045

**Challenges in Transition of Software Defined Radio Implementation from Bare Metal to Real-Time Operating System**

2021

Kashif Shahzad Muhammad Zeeshan Muhammad Umar Farooq Shoab Ahmed Khan

<p>2021 International Conference on Robotics and Automation in Industry (ICRAI), res.country(177,)</p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> 10.1109/ICRAI54018.2021.9651406</p>	
<p><b>Near-Far Problem as a Function of Analog to Digital Converter Resolution in Software Defined Radio Tactical Network</b></p> <p><i>Kashif Shahzad Muhammad Zeeshan Muhammad Umar Farooq Shoab Ahmed Khan</i></p> <p>12th International Conference on Information, Intelligence, Systems &amp; Applications (IISA), res.country(88,)</p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> 10.1109/IISA52424.2021.9555577</p>	2021
<p><b>Simulating synchronization issues on a multiprocessor embedded system for testing</b></p> <p><i>Sabeen Masood Shoab Ahmed Khan Ali Hassan</i></p> <p>2021 IEEE International Conference on Information Communication and Software Engineering (ICICSE), res.country(48,)</p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> 10.1109/ICICSE52190.2021.9404126</p>	2021
<p><b>Collision avoidance and dynamic slot scheduling in multi-hop TDMA based ad-hoc networks using genetic algorithm</b></p> <p><i>Shoab Ahmed Khan Muhammad Umar Farooq Rukaiya</i></p> <p>9th International Conference on Advances in Computing, Communication and Information Technology, res.country(109,)</p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> 10.15224/978-1-63248-181-8-10</p>	2019
<p><b>Customer Experience Management (CEM) for Automation, Data Collection and Methodology</b></p> <p><i>Saria Safdar Shoab Ahmed Khan Arslan Shaukat</i></p> <p>International Conference on Information and Communication Technology Convergence (ICTC), res.country(121,)</p> <p><b>Citations:</b> 2</p> <p><b>DOI:</b> 10.1109/ICTC46691.2019.8939860</p>	2019
<p><b>Visualization: A Tool to Study Nodes in Multi-dimensional Networks</b></p> <p><i>Fozia Noor Muhammad Usman Akram Asadullah Shah Shoab Ahmad Khan</i></p> <p>Intelligent Computing - Proceedings of the Computing Conference, res.country(231,)</p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> 10.1007/978-3-030-22868-2_27</p>	2019
<p><b>A Survey on Contemporary Inventory Techniques and Problems Faced By Manufacturing Organizations in Pakistan</b></p> <p><i>Nadia Ambreen Shoab Khan Urooj Fatima</i></p> <p>2019 IEEE 10th International Conference on Mechanical and Intelligent Manufacturing Technologies (ICMIMT), res.country(247,)</p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> 10.1109/ICMIMT.2019.8712008</p>	2019
<p><b>A Survey of Deep Learning and Traditional Approaches for EEG Signal Processing and Classification</b></p> <p><i>Memoona Iftikhar Ali Hassan Shoab A Khan</i></p> <p>2018 IEEE 9th Annual Information Technology, Electronics and Mobile Communication Conference (IEMCON), res.country(38,)</p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> 10.1109/IEMCON.2018.8614893</p>	2018
<p><b>Selective mapping: Implementation of PAPR Reduction Technique in OFDM on SDR Platform</b></p> <p><i>Hafsa Iqbal Shoab Ahmed Khan</i></p> <p>24th International Conference on Automation and Computing (ICAC), res.country(231,)</p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> 10.23919/IConAC.2018.8749039</p>	2018
<p><b>Decision Tree-based Anonymized Electronic Health Record Fusion for Public Health Informatics</b></p> <p><i>Fatima Khalique Shoab Ahmed Khan Qurat-ul-ain Mubarak Hasan Safdar</i></p> <p>SAI Computing Conference, res.country(231,)</p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> 10.1007/978-3-030-01174-1_30</p>	2018
<p><b>Calculating customer experience management index for telecommunication service using genetic algorithm based weighted attributes</b></p> <p><i>M. Usman Akram Shoab Ahmed</i></p> <p>Innovative Research and Development (ICIRD), 2018 IEEE International Conference, res.country(217,)</p>	2018

<b>Citations:</b> N/A <b>DOI:</b> 10.1109/ICIRD.2018.8376335	
<b>Creating Domain Non-functional Requirements Software Product Line Engineering Using Model Transformations</b> <i>Fatima Khalique Wasi Haider Butt Shoab Ahmad Khan</i> <i>International Conference on Frontiers of Information Technology (FIT), res.country(177,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/FIT.2017.00015	2017
<b>Feasibility Analysis of Grid Tied PV System Based on Net-Metering Incentive for a Developing Country: A Case Study of Pakistan</b> <i>Ayesha Zahir Shoab Ahmed Khan Afshan Naseem</i> <i>IEEE International Conference on Industrial Engineering and Engineering Management, res.country(197,)</i> <b>Citations:</b> N/A <b>DOI:</b> http://ieem2017.org/public.asp?page=home.htm	2017
<b>Optimization of Decision Support System based on Three-Stage Threat Evaluation and Resource Management</b> <i>Afshan Naseem Shoab Ahmed Khan Asad Waqar Malik</i> <i>IEEE International Conference on Industrial Engineering and Engineering Management, res.country(197,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/IEEM.2017.8289950	2017
<b>Feasibility analysis of grid tied PV system based on net-metering incentive for a developing country: A case study of Pakistan</b> <i>Ayesha Zahir Shoab Ahmed Khan Afshan Naseem</i> <i>IEEE International Conference on Industrial Engineering and Engineering Management, res.country(197,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/IEEM.2017.8290245	2017
<b>Important attributes of customer satisfaction in telecom industry: A survey based study</b> <i>Usman Akram Shoab Ahmed</i> <i>Engineering Technologies and Applied Sciences (ICETAS), 2017 4th IEEE International Conference , res.country(23,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/ICETAS.2017.8277858	2017
<b>Important attributes of customer satisfaction in telecom industry: A survey based study</b> <i>Nusratullah Khan Muhammad Usman Akram Asadullah Shah Shoab Ahmad Khan</i> <i>4th IEEE International Conference on Engineering Technologies and Applied Sciences (ICETAS), res.country(23,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/ICETAS.2017.8277858	2017
<b>Cost Effective Provisioning of Electricity in Smart Nano-Grid using GA and Optimized Heuristic Algorithm</b> <i>Nabila Ahmad Rabiya Bibi SHOAIB AHMED KHAN</i> <i>6th International Symposium on Multibody Systems and Mechatronics, res.country(31,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1007/978-3-319-67567-1_33	2017
<b>Business Process Re-Engineering for Smart Manufacturing</b> <i>Noreen Maryam SHOAIB AHMED KHAN</i> <i>Ubiquitous Computing, Electronics and Mobile Communication Conference, res.country(233,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/UEMCON.2017.8249028	2017
<b>Slot Assignment Protocol for Narrow Band Waveform for Tactical MANETs</b> <i>Sana Saleem SHOAIB AHMED KHAN</i> <i>25th International Conference on Software, Telecommunications and Computer Networks</i> <b>Citations:</b> N/A <b>DOI:</b> 10.23919/SOFTCOM.2017.8115583	2017
<b>An FHIR-based Framework for Consolidation of Augmented HER from Hospitals for Public Health Analysis</b> <i>Fatima Khalique SHOAIB AHMED KHAN</i> <i>IEEE 11th International Conference on Application of Information and Communication Technologies (AICT), res.country(190,)</i>	2017

<b>Citations:</b> N/A <b>DOI:</b> 10.1109/ICAICT.2017.8687289	
<b>Automated Segmentation of Retinal Layers from OCT Images using Structure Tensor and Kernel Regression+GTDP Approach</b> <i>Samra Naz M. Usman Akram Shoab A. Khan</i> <i>2017 1st International Conference on Next Generation Computing Applications (NextComp), res.country(153,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/NEXTCOMP.2017.8016182	2017
<b>Automated Segmentation of Retinal Layers from OCT Images using Structure Tensor and Kernel Regression+GTDP Approach</b> <i>Samra Naz M. Usman Akram Shoab A. Khan</i> <i>2017 1st International Conference on Next Generation Computing Applications (NextComp), res.country(153,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/NEXTCOMP.2017.8016182	2017
<b>Landsat-8 Operational Land Imager Change Detection Analysis</b> <i>Ejaz Hussain W. Pervez S. A. Khan Faisal Amir M.A. Maud</i> <i>The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, res.country(57,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.5194/isprs-archives-XLII-1-W1-607-2017	2017
<b>EVALUATE THE CAPABILITY OF LANDSAT8 OPERATIONAL LAND IMAGER FOR SHORELINE CHANGE DETECTION /INLAND WATER STUDIES</b> <i>Ejaz Hussain W. Pervez S. A. Khan Faisal Amir M.A. Maud</i> <i>The International Archives of the Photogrammetry, Remote Sensing and Spatial Information Sciences, res.country(109,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.5194/isprs-archives-XLII-5-W1-145-2017	2017
<b>A practical approach to OCT based classification of Diabetic Macular Edema</b> <i>Samra Naz Taimur Hassan M. Usman Akram Shoab A. Khan</i> <i>Signals and Systems (ICSigSys), 2017 International Conference, res.country(100,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/ICSIGSYS.2017.7967044	2017
<b>Practical Approach to OCT based Classification of Diabetic Macular Edema</b> <i>Samra Naz Taimur Hassan M. Usman Akram Shoab A. Khan</i> <i>International Conference on Signals and Systems (ICSigSys), res.country(100,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/ICSIGSYS.2017.7967044	2017
<b>Parallel Architecture for Implementation of Frequent Itemset Mining using FP-Growth</b> <i>Amna Tehreem Sajid Gul Khawaja Muhammad Usman Akram Shoab A. Khan Muhammad Ali</i> <i>International Conference on Signals and Systems (ICSigSys), res.country(100,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/ICSIGSYS.2017.7967077	2017
<b>Satellite based seasonal land use classification and change detection analysis of landsat-8 operational land imager</b> <i>Ejaz Hussain Wasim Pervez Shoab Ahmad Khan Faisal Amir</i> <i>International Conference on Advances in Sustainable Construction Materials &amp; Civil Engineering Systems (ASCMCES-17), res.country(2,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1051/mateconf/201712009004	2017
<b>Using Web Crawlers for Feature Extraction of Social Nets for Analysis</b> <i>Fozia Noor Asadullah Shah Waris Gill Shoab Ahmad Khan</i> <i>14th International Conference on Information Technology- New Generations, res.country(233,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1007/978-3-319-54978-1_40	2017
<b>Detecting Change from Social Networks using Temporal Analysis of Email Data</b> <i>Kajal Nusratullah Asadullah Shah Muhammad Usman Akram Shoab Ahmad Khan</i> <i>14th International Conference on Information Technology- New Generations, res.country(233,)</i> <b>Citations:</b> N/A	2017

DOI: 10.1007/978-3-319-54978-1_41	
<b>Running Cost Function Optimization in Smart Grids</b> <i>Rabiya Bibi Nabila Ahmad Shoab Ahmed Khan</i> <i>IEEE 2nd Advanced Information Technology, Electronic and Automation Control Conference, res.country(48,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/IAEAC.2017.8054442	2017
<b>Covert Network Analysis to Detect Key Players using Correlation and Social Network Analysis</b> <i>Ejaz Farooq Shoab A.Khan Wasi Haider Butt</i> <i>2nd International Conference on Internet of Things, Data and Cloud Computing, res.country(231,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1145/3018896.3025142	2017
<b>Using Information and Communications Technology as an Enabler for Designing an Efficient National Level Vaccination Planning and Dispensing System</b> <i>Alishba Siab Khan Shoab Ahmed Khan</i> <i>International Conference on Medical and Biological Engineering, res.country(197,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1007/978-981-10-4166-2_95	2017
<b>Digital Hopping of Narrowband Waveform using Wideband Frontend</b> <i>Sumbul Gulzar Shoab A.Khan Muhammad Zeeshan</i> <i>19th International Conference on Advanced Communications Technology, res.country(121,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.23919/ICACT.2017.7890205	2017
<b>Satellite based Comparative Analysis of Landsat-8 Operational Land Imager, Advanced Land Imager and Hyperion Data for Mapping Applications</b> <i>Ejaz Hussain Shoab Ahmad Khan Wasim Pervez Faisal Amir Junaid Aziz Khan</i> <i>3rd Internatinal Congress on Technology engineering and Science, res.country(157,)</i> <b>Citations:</b> N/A <b>DOI:</b> N/A	2017
<b>Automated Segmentation of RPE Layer for the Detection of Age Macular Degeneration using OCT Images</b> <i>Samra Naz Aneeqa Ahmed M. Usman Akram Shoab A. Khan</i> <i>International Conference on Image Processing Theory, Tools and Applications, res.country(70,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/IPTA.2016.7821033	2016
<b>A Novel Mean-Shift Architecture for Scalable Multiprocessor Implementation</b> <i>Amna Tehreem Sajid Gul Khawaja Muhammad Usman Akram Shoab A. Khan</i> <i>2016 Future Technologies Conference (FTC), res.country(233,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/FTC.2016.7821741	2016
<b>A Novel Multiprocessor Architecture for k-means Clustering Algorithm based on Network-on-Chip</b> <i>Sajid Gul Khawaja Muhammad Usman Akram Shoab A. Khan Ammar Ajmal</i> <i>2016 19th International Multi-Topic Conference (INMIC), res.country(177,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/INMIC.2016.7840112	2016
<b>1D Signal Processing for Improvement of People Counting Estimation Results</b> <i>Sumaiyya Farooq Shoab Ahmed Khan M. Usman Akram</i> <i>Proceedings of the 16th International Conference on Hybrid Intelligent Systems (HIS 2016), res.country(136,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1007/978-3-319-52941-7_32	2016
<b>A Novel Architecture for K-means Clustering Algorithm</b> <i>Sajid Gul Khawaja Asad Mansoor Khan M. Usman Akram Shoab A. Khan</i> <i>Third International Afro-European Conference for Industrial Advancement — AECIA 2016, res.country(136,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1007/978-3-319-60834-1_31	2016
<b>Generation of high resolution medical images using super resolution via sparse representation</b>	2016

<p><i>Muhammad Asif Shoab Ahmed Khan Taimur Hassan Muhammad Usman Akram Arslan Shaukat</i>  <i>Advances in Intelligent Systems and Computing</i>, res.country(136,)</p> <p><b>Citations:</b> N/A  <b>DOI:</b> 10.1007/978-3-319-60834-1_29</p>	
<p><b>Multicore Framework for Finding Frequent Item-Sets using TDS</b></p> <p><i>Muhammad Usman Akram Sajid Gul Khawaja Amna Tehreem Shoab Ahmed Khan</i>  <i>16th International Conference on Hybrid Intelligent Systems (HIS 2016)</i>, res.country(136,)</p> <p><b>Citations:</b> N/A  <b>DOI:</b> 10.1007/978-3-319-52941-7_34</p>	2016
<p><b>Congestion Analysis of Pilgrism in Hajj and Umrah Congregation using Block Matching and Optical Flow</b></p> <p><i>Sumaiyya Farooq Shoab A Khan Muhammad Usman Akram</i>  <i>2016 International Conference on Communication, Image and Signal Processing (CCISP 2016)</i>, res.country(2,)</p> <p><b>Citations:</b> N/A  <b>DOI:</b> 10.1088/1742-6596/787/1/012003</p>	2016
<p><b>Short and Long Term Prediction of MCI-to-AD Based on Longitudinal Multimodal, Multivariate Biomarkers</b></p> <p><i>Sidra Minhas Aasia Khanam Farhan Riaz Shoab A. Khan Atif Alvi</i>  <i>9th International Conference of Latest Trends in Engineering and Technologies</i>, res.country(2,)</p> <p><b>Citations:</b> N/A  <b>DOI:</b> N/A</p>	2016
<p><b>AutoDrop: Automatic DDoS Detection and its Mitigation with Combination of OpenFlow and Sflow</b></p> <p><i>Faisal Shahzad Muazzam A. Khan Shoab A. Khan Saad Rehman</i>  <i>1st International Conference on Future Intelligent Vehicular Technologies</i>, res.country(183,)</p> <p><b>Citations:</b> N/A  <b>DOI:</b> 10.1007/978-3-319-51207-5_11</p>	2016
<p><b>Crowd Counting using Adaptive Segmentation in a Congregation</b></p> <p><i>Muhamad Sajid Shoab A Khan Ali Hassan</i>  <i>2016 IEEE International Conference on Signal and Image Processing (ICSIP)</i>, res.country(48,)</p> <p><b>Citations:</b> N/A  <b>DOI:</b> 10.1109/SIPROCESS.2016.7888363</p>	2016
<p><b>Sociology Study using Email Data and Social Network Analysis</b></p> <p><i>Wajid Rafiq, Shoab Ahmed Khan Muhammad Sohail</i>  <i>13th International Conference on Information Technology: New Generation</i>, res.country(233,)</p> <p><b>Citations:</b> N/A  <b>DOI:</b> 10.1007/978-3-319-32467-8_91</p>	2016
<p><b>Smart Sustainable Power System for Efficient Energy Utilization</b></p> <p><i>Anam Fatima Shoab A. Khan</i>  <i>2016 Smart Solutions for Future Cities</i>, res.country(122,)</p> <p><b>Citations:</b> N/A  <b>DOI:</b> 10.1109/SSFC.2016.7447876</p>	2016
<p><b>Designing Acceptance Test Procedures (ATPs) for Smart Nano Grid Applications</b></p> <p><i>Kiran Choudhry Shoab A. Khan</i>  <i>3rd IEEE International Conference on Artificial Intelligence, Modelling and Simulations held from 02-04 Dec 2015 in Malaysia</i>, res.country(157,)</p> <p><b>Citations:</b> N/A  <b>DOI:</b> 10.1109/AIMS.2015.49</p>	2015
<p><b>Power Energy Management for a Grid-Connected PV System using Rule-Base Fuzzy Logic</b></p> <p><i>Nousheen Hashmi Shoab Ahmad Khan</i>  <i>2015 3rd International Conference on Artificial Intelligence, Modelling and Simulation (AIMS)</i>, res.country(157,)</p> <p><b>Citations:</b> N/A  <b>DOI:</b> 10.1109/AIMS.2015.15</p>	2015
<p><b>A Novel Digital Frequency De-hopper using Bandpass Sampling Technique</b></p> <p><i>Muhammad Zeeshan Shoab Ahmed Khan</i>  <i>2015 9th International Conference on Electrical and Electronics Engineering (ELECO)</i>, res.country(224,)</p> <p><b>Citations:</b> N/A</p>	2015

DOI: 10.1109/ELECO.2015.7394589	
<b>ECG Biometric Identification for General Population using Multiresolution Analysis of DWT based Features</b>	2015
<i>Muhammad Najam Dar Muhammad Usman Akram Anam Usman Shoab Ahmad Khan</i> 2015 Second International Conference on Information Security and Cyber Forensics (InfoSec), res.country(121,)	
<b>Citations:</b> N/A <b>DOI:</b> 10.1109/InfoSec.2015.7435498	
<b>Relation Mining using Cross Correlation of Multi Domain Social Networks</b>	2015
<i>Fozia Noor Prof. Dr. Asadullah Shah Shoab Ahmad Khan</i> 2015 SAI Intelligent Systems Conference (IntelliSys), res.country(231,)	
<b>Citations:</b> N/A <b>DOI:</b> 10.1109/IntelliSys.2015.7361250	
<b>Detecting Changes in Context using Time Series Analysis of Social Network</b>	2015
<i>Kajal Nusratullah Prof. Dr. Asadullah Shah Prof. Dr. Shoab Ahmad Khan Wasi Haider Butt</i> 2015 SAI Intelligent Systems Conference (IntelliSys), res.country(231,)	
<b>Citations:</b> N/A <b>DOI:</b> 10.1109/IntelliSys.2015.7361265	
<b>Network Enabled Cardiac Monitor</b>	2015
<i>Amna Arouj Shoab.A.Khan Faiza Rahat Sadaf Ayaz Aymen Malik</i> 2015 IEEE 15th International Conference on Bioinformatics and Bioengineering (BIBE), res.country(189,)	
<b>Citations:</b> N/A <b>DOI:</b> 10.1109/BIBE.2015.8631286	
<b>WML: Wireless Sensor Network based Machine Learning for Leakage Detection and Size Estimation</b>	2015
<i>Sidra Rashid Usman Akram Shoab A. Khan</i> The 6th International Conference on Emerging Ubiquitous Systems and Pervasive Networks (EUSPN-2015), res.country(57,)	
<b>Citations:</b> N/A <b>DOI:</b> 10.1016/j.procs.2015.08.329	
<b>Visualization-based Analysis of Telco Data for Business Intelligence</b>	2015
<i>Sidra Ashraf Shoab A. Khan</i> 2015 6th IEEE International Conference on Software Engineering and Service Science (ICSESS), res.country(48,)	
<b>Citations:</b> N/A <b>DOI:</b> 10.1109/ICSESS.2015.7339046	
<b>A Framework for Enhancing Readability and Opportunistic Reuse of Enterprise Software</b>	2015
<i>Syed Awais Amjad Shoab A. Khan</i> 2015 6th IEEE International Conference on Software Engineering and Service Science (ICSESS), res.country(48,)	
<b>Citations:</b> N/A <b>DOI:</b> 10.1109/ICSESS.2015.7339004	
<b>Classifying Normal Sinus Rhythm and Cardiac Arrhythmias in ECG Signals using Statistical Features in Temporal Domain</b>	2015
<i>Mavera Mazhar Butt Usman Akram Shoab A. Khan</i> 2015 9th Asia Modelling Symposium (AMS), res.country(157,)	
<b>Citations:</b> N/A <b>DOI:</b> 10.1109/AMS.2015.14	
<b>Identifying Best Feature Subset for Cardiac Arrhythmia Classification</b>	2015
<i>Khalid Ahmed Khan Niazi Shoab A Khan Arslan Shaukat Mahmood Akhtar</i> 2015 Science and Information Conference, SAI 2015, res.country(231,)	
<b>Citations:</b> 24 <b>DOI:</b> 10.1109/SAI.2015.7237188	
<b>Workflow Optimization through Business Reengineering for Tele-cardiac System</b>	2015
<i>Farkhanda Rasheed Shoab Ahmad Khan</i> 10th International Conference on Evaluation of Novel Approaches to Software Engineering (ENASE-2015), res.country(68,)	
<b>Citations:</b> N/A <b>DOI:</b> 10.5220/0005435100330038	
<b>A Survey of Cloud Computing Variable Pricing Models</b>	2015
<i>Sahar Arshad Saeed Ullah Shoab Ahmed Khan M. Daud Awan M. Sikandar Hayat Khayal</i>	



2015 International Conference on Evaluation of Novel Approaches to Software Engineering (ENASE), res.country(68,)	
<b>Citations:</b> N/A	
<b>DOI:</b> <a href="https://ieeexplore.ieee.org/document/7320330">https://ieeexplore.ieee.org/document/7320330</a>	
<b>Denoising Practices for Electrocardiographic(ECG) Signals: A Survey</b>	2015
<i>Mavera Mazhar Butt Usman Akram Shoab A. Khan</i>	
2015 International Conference on Computer, Communications, and Control Technology (I4CT), res.country(157,)	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1109/I4CT.2015.7219578	
<b>Using MAC Frame Header for Efficient Multimedia Streaming over IEEE 802.11 Wireless LAN</b>	2015
<i>Saima Shaheen Aasia Khannum Shoab A. Khan Usman Akram M. Younas Javed</i>	
2015 International Conference on Computer, Communications, and Control Technology (I4CT), res.country(157,)	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1109/I4CT.2015.7219643	
<b>Discovering Patterns in Dental Medical Records Using Association Rule Based Mining</b>	2015
<i>Syed Mohtashim Abbas Bokhari Shoab Ahmad Khan</i>	
The 2015 International Conference on Soft Computing and Software Engineering (SCSE'15), res.country(233,)	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1007/978-3-319-33353-3_5	
<b>Orientation Invariant Object Recognitions using Geometric Moments Invariants and Color Histograms</b>	2014
<i>Saleha Samad Anam Haq Shoab A. Khan</i>	
7th International Conference on Computer Sciences and Information Technology, res.country(68,)	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.17706/IJCEE.2015.V7.876	
<b>Remapping of CMMI level-2 KPA's for development process improvement of Software-as-a-Service (SaaS) cloud environment</b>	2014
<i>Anum Tariq Shoab Ahmed Khan Sundas Iftikhar</i>	
2014 International Conference on Open Source Systems & Technologies, res.country(177,)	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1109/ICOSST.2014.7029318	
<b>Data Aided Algorithm for Burst Detection in Wideband Networking Waveform with FPGA Implementation on SDR Platform</b>	2014
<i>Muhammad Zeeshan Zain Mehtab SHOAIB AHMED KHAN</i>	
2014 11th Annual High Capacity Optical Networks and Emerging/Enabling Technologies (Photonics for Energy), res.country(233,)	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1109/HONET.2014.7029381	
<b>Real-Time Decision Support System for Resource Optimization &amp; Management of Threat Evaluation and Weapon Assignment Engineering in Air Defence</b>	2014
<i>Afshan Naseem Shoab A.Khan Asad Waqar Malik</i>	
2014 IEEE International Conference on Industrial Engineering and Engineering Management, res.country(157,)	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1109/IEEM.2014.7058701	
<b>Requirements Engineering Process for Software-as-a-Service (SaaS) Cloud Environment</b>	2014
<i>Anum Tariq Shoab Ahmed Khan Sundas Iftikhar</i>	
2014 International Conference on Emerging Technologies (ICET), res.country(177,)	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1109/ICET.2014.7021009	
<b>A novel algorithm for link adaptation using fuzzy rule based system for wideband networking waveform of SDR</b>	2014
<i>Muhammad Zeeshan Shaob A Khan</i>	
The 33rd IEEE International Performance Computing and Communications Conference (IPCCC 2014), res.country(233,)	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1016/j.aeue.2015.06.001	
<b>Integrated Development Environment for Generation of Middleware for Hybrid Processors based Embedded Systems</b>	2014
<i>Mavera M. Butt A.B.N. Alvi Shoab A.Khan</i>	

2014 IEEE/ACS 11th International Conference on Computer Systems and Applications (AICCSA), res.country(186,)	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1109/AICCSA.2014.7073174	
<b>Integrated Development Environment for Generation of Middleware for Hybrid Processors based Embedded Systems</b>	2014
<i>Mavera M. Butt A.B.N. Alvi Shoab A.Khan</i>	
2014 IEEE/ACS 11th International Conference on Computer Systems and Applications (AICCSA), res.country(186,)	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1109/AICCSA.2014.7073174	
<b>DSP Middleware Adaptation for Network on System (NoS) based Hybrid Embedded System</b>	2014
<i>Abu Bakr Nisar Alvi Shoab A Khan Ali Hassan Umer Farooq</i>	
2014 IEEE/ACS 11th International Conference on Computer Systems and Applications (AICCSA), res.country(186,)	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1109/AICCSA.2014.7073174	
<b>News Sentiments Grading using Multiple Dictionaries Based Lexical Approach</b>	2014
<i>Adeel Iqbal Shoab Ahmad Khan</i>	
9th International Conference on Bio-Inspired Computing: Theories and Applications, res.country(48,)	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1007/978-3-662-45049-9_32	
<b>Segmentation of Coronary Arteries</b>	2014
<i>Sabeen Basit Shoab A Khan M. Usman Akram</i>	
2014 IEEE Symposium on Industrial Electronics & Applications (ISIEA) , res.country(157,)	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1109/ISIEA.2014.8049873	
<b>Blood Vessel Segmentation and Centerline Extraction based on Multilayered Thresholding in CT Images</b>	2014
<i>Sidra Rashid Shagufta Shoab A Khan Ali Hassan</i>	
The 2nd International Conference on Intelligent Systems and Image Processing 2014 (ICISIP2014) , res.country(113,)	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.12792/icip2014.081	
<b>Wireless Sensor Network for Distributed Event Detection based on Machine learning</b>	2014
<i>Sidra Rashid Muhammad Usman Akram Saad Qaisar Shoab Ahmad Khan Emad Felemban</i>	
2014 IEEE International Conference on Internet of Things (iThings), and IEEE Green Computing and Communications (GreenCom) and IEEE Cyber, Physical and Social Computing (CPSCoM) , res.country(227,)	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1109/iThings.2014.93	
<b>Gap Analysis in Software Engineering Process Adoption in Implementing High End Embedded System Design</b>	2014
<i>Ume e Habiba Shoab Ahmed Khan Muhammad Younus Javed</i>	
2nd International Conference on Computational and Social Sciences, res.country(224,)	
<b>Citations:</b> N/A	
<b>DOI:</b> <a href="https://www.researchgate.net/publication/275338256_Gap_Analysis_in_Software_Engineering_Process_Adoption_in_Implementing_High_End_Embedded_System_Design">https://www.researchgate.net/publication/275338256_Gap_Analysis_in_Software_Engineering_Process_Adoption_in_Implementing_High_End_Embedded_System_Design</a>	
<b>Biomedical (Cardiac) Data Mining: Extraction of significant patterns for predicting heart condition</b>	2014
<i>Mamuna Fatima Iqra Basharat Ali Raza Anjum Shoab Ahmed Khan</i>	
2014 IEEE Conference on Computational Intelligence in Bioinformatics and Computational Biology, res.country(233,)	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1109/CIBCB.2014.6845499	
<b>Tracking and Abnormal Behavior Detection in Video Surveillance using Optical Flow and Neural Network</b>	2014
<i>Nida Adnan Shoab A. Khan Adnan Khalid</i>	
2014 28th International Conference on Advanced Information Networking and Applications Workshops, res.country(38,)	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1109/WAINA.2014.18	

<b>Network on Hybrid Processors based High End Embedded System</b> <i>Abu Bakr Nisar Alvi Shoab A Khan Ali Hassan</i> <i>Second International Conference on Technological Advances in Electrical, Electronics and Computer Engineering, res.country(157,)</i> <b>Citations:</b> N/A <b>DOI:</b> <a href="https://www.researchgate.net/publication/261064437_Network_on_Hybrid_Processors_based_High_End_Embedded_System">https://www.researchgate.net/publication/261064437_Network_on_Hybrid_Processors_based_High_End_Embedded_System</a>	2014
<b>Automated plant disease analysis (APDA): Performance comparison of machine learning techniques</b> <i>Asman Akhtar Aasia Khanum Shoab A Khan Arslan Shaukat</i> <i>2013 11th International Conference on Frontiers of Information Technology, res.country(177,)</i> <b>Citations:</b> 62 <b>DOI:</b> 10.1109/FIT.2013.19	2013
<b>Aircraft Tracking based on KLT Feature Tracker and Image Modeling</b> <i>Khawar Ali Shoab A. Khan Usman Akram</i> <i>2013 IEEE Jordan Conference on Applied Electrical Engineering and Computing Technologies (AEECT), res.country(112,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/AEECT.2013.6716443	2013
<b>Performance Analysis of OFCDM in SUI Channels</b> <i>Rehan Ahmad Shoab Ahmad Khan</i> <i>2013 15th IEEE International Conference on Communication Technology, res.country(48,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/ICCT.2013.6820355	2013
<b>Classification of Wet Aged Related Macular Degeneration Using Optical Coherence Tomographic Image</b> <i>Anam Haq Fouwad Jamil Mir Ubaid Ullah Yasin Shoab A. Khan</i> <i>Sixth International Conference on Machine Vision (ICMV 13), res.country(231,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1117/12.2051464	2013
<b>Traffic Congestion Classification using Motion Vector Statistical Features</b> <i>Amina Riaz Shoab A. Khan</i> <i>Sixth International Conference on Machine Vision (ICMV 13), res.country(231,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1117/12.2051463	2013
<b>Microaneurysm Detection for Early Diagnosis of Diabetic Retinopathy</b> <i>M. Usman Akram Anam Tariq Shoab A. Khan Shafaat A Bazaz</i> <i>2013 International Conference on Electronics, Computer and Computation (ICECCO), res.country(224,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/ICECCO.2013.6718218	2013
<b>Detection of Glaucoma using Retinal Fundus Images</b> <i>Fauzia Khan Shoaib A. Khan Ubaid Ullah Yasin Ihtisham ul Haq Usman Qamar</i> <i>2013 6th International Conference on Biomedical Engineering and Informatics, BMEI, res.country(217,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/BMEiCon.2013.6687674	2013
<b>Automated System of Hess Screen for Diagnosis of Paralytic Strabismus Using Computer Aided Diagnosis</b> <i>Abubakar Yamin Shoab A. Khan Ubaid-Ullah Yasin</i> <i>2013 IEEE International Conference on Imaging Systems and Techniques (IST), res.country(48,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/IST.2013.6729710	2013
<b>Classification of Arrhythmia</b> <i>Saleha Samad Shoab A. Khan Anam Haq Amna Riaz</i> <i>2013 6th International Conference on Computer and Electrical Engineering, res.country(75,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.12720/ijoe.2.1.57-61	2013
<b>Factors Effecting Service Oriented Architecture Implementation</b> <i>Madiha Waris Dr. Shoab Ahmad Khan Muhammad Zaman Fakhra</i> <i>2013 Science and Information Conference, SAI 2013, res.country(231,)</i> <b>Citations:</b> N/A	2013

<p><b>DOI:</b> <a href="https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6661744">https://ieeexplore.ieee.org/stamp/stamp.jsp?arnumber=6661744</a></p>	
<p><b>Geometric Feature Points based Optical Character Recognition</b></p> <p><i>M. Usman Akram Zabeel Bashir Anam Tariq Shoab A Khan</i></p> <p>2013 IEEE Symposium on Industrial Electronics &amp; Applications, res.country(157,)</p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> 10.1109/ISIEA.2013.6738973</p>	2013
<p><b>Gaussian Mixture Model based Handwritten Numeral Character Recognition</b></p> <p><i>M. Usman Akram Anam Tariq Zabeel Bashir Shoab A Khan</i></p> <p>2013 IEEE Symposium on Industrial Electronics &amp; Applications, res.country(157,)</p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> 10.1109/ISIEA.2013.6738972</p>	2013
<p><b>Detecting Covert Dubious Actors using Cross Domain Associations</b></p> <p><i>Wasi Haider Butt Shaob A Khan Usman Qamar</i></p> <p>Third International Conference on Innovative Computing Technology (INTECH 2013), res.country(231,)</p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> 10.1109/INTECH.2013.6653689</p>	2013
<p><b>Position Based Sentence Search for Encrypted Unstructured data in Cloud Environment</b></p> <p><i>Muhammad Zaman Fakhar Shaob A Khan Madiha Waris</i></p> <p>International Conference on Cloud Computing and eGovernance 2013 (ICCCEG2013), res.country(2,)</p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> <a href="https://edlib.net/2013/iccceg/paper008.pdf">https://edlib.net/2013/iccceg/paper008.pdf</a></p>	2013
<p><b>Ballistic Fire Control Computer (FCC) For Main Battle Tank (MBT)</b></p> <p><i>Imran Jattala Junaid Farooqi Shakeel Durrani Obaid Bin Zakria Shoab A. Khan</i></p> <p>2013 Saudi International Electronics, Communications and Photonics Conference, res.country(88,)</p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> 10.1109/SIEPCPC.2013.6550744</p>	2013
<p><b>Implementation of Coarse Frequency Estimation Algorithm in FPGA as a part of Software Defined Radio Receiver</b></p> <p><i>Waqas Mazhar Shoab Ahmed Khan</i></p> <p>2nd International Conference on Future Trends in Computing and Communication Technologies, res.country(100,)</p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> N/A</p>	2013
<p><b>Design and development of offline processor and test data generator for FMCW SAR</b></p> <p><i>Fatima Ameen Farrukh Fakhar Ahsan Mubashar Yasin Shoab A. Khan</i></p> <p>2013 10th International Bhurban Conference on Applied Sciences &amp; Technology (IBCAST), res.country(177,)</p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> 10.1109/IBCAST.2013.6512201</p>	2013
<p><b>An Efficient Capacity Improvement Technique for Multiuser DS-CDMA based Fixed Wireless Applications</b></p> <p><i>Muhammad Zeeshan M. Waqas Khan Shoab A. Khan Sabahat A. Malik</i></p> <p>2012 International Conference on Open Source Systems and Technologies, res.country(177,)</p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> 10.1109/ICOSST.2012.6472833</p>	2012
<p><b>A Computer Aided System for Grading of Maculopathy</b></p> <p><i>Anam Tariq M Usman Akram Arslan Shaukat Shoab A Khan</i></p> <p>2012 Cairo International Biomedical Engineering Conference (CIBEC), res.country(65,)</p> <p><b>Citations:</b> 15</p> <p><b>DOI:</b> 10.1109/CIBEC.2012.6473318</p>	2012
<p><b>A Secure DS- CDMA Technique with Capacity Enhancement for Ad Hoc Wireless Networks</b></p> <p><i>Muhammad Zeeshan Shoab Ahmad Khan Muhammad Yasir Malik</i></p> <p>2nd International Conference on IT Convergence and Security, res.country(121,)</p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> 10.1007/978-94-007-5860-5_19</p>	2012
<p><b>A Gaussian Mixture Model Based System for Detection of Macula in Fundus Images</b></p> <p><i>Anam Tariq Arslan Shaukat Shoab A Khan</i></p>	2012

<i>International Conference on Neural Information Processing ICONIP 2012</i> , res.country(186,)	
<b>Citations:</b> 4	
<b>DOI:</b> 10.1007/978-3-642-34481-7_5	
<b>A Modified FFT and Biquadratic Interpolation based Algorithm for Carrier Frequency Offset Estimation in MC-CDMA based Ad Hoc Networks</b>	2012
<i>Muhammad Zeesha Shoab Ahmed Khan</i>	
<i>2012 International Conference on Emerging Technologies</i> , res.country(177,)	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1109/ICET.2012.6375425	
<b>Detection of Neovascularization for Screening of Proliferative Diabetic Retinopathy</b>	2012
<i>M. Usman Akram Anam Tariq Shoab A. Khan</i>	
<i>International Conference Image Analysis and Recognition ICIAR 2012</i> , res.country(183,)	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1007/978-3-642-31298-4_44	
<b>Measuring the Impact of Changing Requirements on Schedule Variance: An Empirical Investigation</b>	2012
<i>Bushra Sharif Shoab Ahmad Khan Muhammad Wasim Bhatti</i>	
<i>2012 International Conference on Software and Computer Applications (ICSCA 2012)</i> , res.country(233,)	
<b>Citations:</b> N/A	
<b>DOI:</b> <a href="http://www.ipcsit.com/vol41/033-ICSCA2012-S10021.pdf">http://www.ipcsit.com/vol41/033-ICSCA2012-S10021.pdf</a>	
<b>Retinal Recognition: Personal Identification using Blood Vessels</b>	2011
<i>M. Usman Akram Anam Tariq Shoab A. Khan</i>	
<i>2011 International Conference for Internet Technology and Secured Transactions</i> , res.country(2,)	
<b>Citations:</b> N/A	
<b>DOI:</b> <a href="https://ieeexplore.ieee.org/document/6148446">https://ieeexplore.ieee.org/document/6148446</a>	
<b>An Automated System for Fingerprint Classification using Singular Points for Biometric Security</b>	2011
<i>Anam Tariq Muhammad Usman Akram Shoab A. Khan</i>	
<i>2011 International Conference for Internet Technology and Secured Transactions</i> , res.country(2,)	
<b>Citations:</b> N/A	
<b>DOI:</b> <a href="https://ieeexplore.ieee.org/document/6148444">https://ieeexplore.ieee.org/document/6148444</a>	
<b>Collaborative Path Planning for Multiple Unmanned Aerial Vehicles in Dynamic Environments</b>	2011
<i>Durdana Habib Shoab A. Khan Habibullah Jamal</i>	
<i>2011 IEEE International Conference on Signal Processing, Communications and Computing (ICSPCC)</i> , res.country(48,)	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1109/ICSPCC.2011.6061779	
<b>Effect of Atrioventricular Conduction on Heart Rate Variability</b>	2011
<i>Shoab Ahmad Khan Talha J Ahmad Hasnain Ali S. M. Imran Majeed</i>	
<i>2011 Annual International Conference of the IEEE Engineering in Medicine and Biology Society</i> , res.country(233,)	
<b>Citations:</b> N/A	
<b>DOI:</b> <a href="https://www.ncbi.nlm.nih.gov/pubmed/22254715">https://www.ncbi.nlm.nih.gov/pubmed/22254715</a>	
<b>Automatic Recognition of Ground Radar Targets based on Target RCS and Short Time Spectrum Variance</b>	2011
<i>Sidrah Liaqat Shoab Ahmed Khan Mojeeb Bin Ihsan Syed Zeeshan Asghar Aqib Ejaz Aamir Iqbal Bhatti</i>	
<i>2011 International Symposium on Innovations in Intelligent Systems and Applications</i> , res.country(224,)	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1109/INISTA.2011.5946127	
<b>Low Power State Machine Design on FPGAs</b>	2010
<i>Adil Saleem Shoab A Khan</i>	
<i>2010 3rd International Conference on Advanced Computer Theory and Engineering(ICAETE)</i> , res.country(48,)	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1109/ICAETE.2010.5579416	
<b>Hostname addressing in heterogeneous mobile ad hoc networks</b>	2010
<i>Muhammad Umar Farooq Shoab Ahmad Khan Syed Ayad Hasan Adnan Ahmed Khan</i>	
<i>3rd International Conference on Computer Science and Information Technology</i> , res.country(48,)	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1109/ICCSIT.2010.5563784	

<p><b>Advance Approach to Estimate Fingerprint Images Quality using Statistical &amp; Graphical Methodology</b></p> <p><i>Saadia Afzal Rana Shoab Ahmad Khan Ali Afzal Awan</i></p> <p><i>8th International conference on Computing, Communications and Control Technologies, res.country(233,)</i></p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> <a href="https://www.semanticscholar.org/paper/Advance-Approach-to-Estimate-Fingerprint-Images-%26-Rana-Khan/e300f1c238df9b6100b03ad67b54b826cfbb7c7c">https://www.semanticscholar.org/paper/Advance-Approach-to-Estimate-Fingerprint-Images-%26-Rana-Khan/e300f1c238df9b6100b03ad67b54b826cfbb7c7c</a></p>	2010
<p><b>Social Networks Identification and Analysis Using Call Detail Records</b></p> <p><i>Muhammad Usman Khan Dr Shoab Ahmed Khan</i></p> <p><i>2nd International Conference on Interaction Sciences: Information Technology, Culture and Human, res.country(121,)</i></p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> 10.1145/1655925.1655959</p>	2009
<p><b>Effectiveness of a Novel Feature and Confidence Level Assignments to Classifiers in Fingerprint Matching</b></p> <p><i>Khurram Yasin Qureshi Shoab Ahmad Khan M.Younas Javed</i></p> <p><i>2009 IEEE International Conference on Systems, Man and Cybernetics, res.country(233,)</i></p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> 10.1109/ICSMC.2009.5346241</p>	2009
<p><b>Inductive Link Design for Medical Implants</b></p> <p><i>Hussnain Ali Talha J Ahmad Shoab A Khan</i></p> <p><i>2009 IEEE Symposium on Industrial Electronics &amp; Applications, res.country(157,)</i></p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> 10.1109/ISIEA.2009.5356376</p>	2009
<p><b>Laboratory Prototype of Cochlear Implant: Design and Techniques</b></p> <p><i>Hussnain Ali Talha J. Ahmad Asim Ajaz Shoab A. Khan</i></p> <p><i>2009 Annual International Conference of the IEEE Engineering in Medicine and Biology Society, res.country(233,)</i></p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> 10.1109/IEMBS.2009.5333707</p>	2009
<p><b>Comparison of Matched Filter and Wavelet Based Blood Vessel Enhancement</b></p> <p><i>M. Usman Akram Sarwat Nasir Shoab A. Khan</i></p> <p><i>IASTED International Conference Signal and Image Processing (SIP 2009), res.country(233,)</i></p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> <a href="https://pdfs.semanticscholar.org/1659/5682417a7f155b51daa07f651790afa54837.pdf">https://pdfs.semanticscholar.org/1659/5682417a7f155b51daa07f651790afa54837.pdf</a></p>	2009
<p><b>Retinal image blood vessel segmentation</b></p> <p><i>M. Usman Akram Anam Tariq Shoab A. Khan</i></p> <p><i>2009 International Conference on Information and Communication Technologies, res.country(177,)</i></p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> 10.1109/ICICT.2009.5267194</p>	2009
<p><b>Optimal placement of detection nodes for Ad hoc networks</b></p> <p><i>M Hasan Islam Izza Zubair M Farroq Butt Kamran Nadeem Dr Shoab A Khan</i></p> <p><i>2009 First International Conference on Networked Digital Technologies , res.country(56,)</i></p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> 10.1109/NDT.2009.5272102</p>	2009
<p><b>Classification of Phonocardiogram using an Adaptive Fuzzy Interface System</b></p> <p><i>Shoab Ahmad Khan Talha J Ahmad Hasnain Ali</i></p> <p><i>International Conference on Image Processing, Computer Vision and Pattern Recognition, res.country(233,)</i></p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> <a href="https://dblp1.uni-trier.de/db/conf/ipcv/ipcv2009.html">https://dblp1.uni-trier.de/db/conf/ipcv/ipcv2009.html</a></p>	2009
<p><b>Optimization for Quantization and Embedded Resources on FPGA</b></p> <p><i>Aqib Perwaiz Hamid M Kombh Dr. Shoab A Khan</i></p> <p><i>2009 International Conference on New Trends in Information and Service Science, res.country(48,)</i></p> <p><b>Citations:</b> N/A</p> <p><b>DOI:</b> 10.1109/NISS.2009.199</p>	2009
<p><b>Seamless Communication Over Heterogeneous Interfaces in Mobile Ad Hoc Networks</b></p> <p><i>Muhammad Tassadaque Zia Muhammad Umar Farooq Shoab Ahmad Khan</i></p> <p><i>IFIP International Conference on Wireless and Optical Communications Networks, res.country(65,)</i></p>	2009

<b>Citations:</b> N/A <b>DOI:</b> 10.1109/WOCN.2009.5010564	
<b>A DSK Based Simplified Speech Processing Module for Cochlear Implant Research</b> <i>Shoab Ahmad Khan Talha Jamal Ahmad Hassnain Ali Muhammad Asim Ajaz</i> <i>2009 IEEE International Conference on Acoustics, Speech and Signal Processing</i> , res.country(227,) <b>Citations:</b> N/A <b>DOI:</b> 10.1109/ICASSP.2009.4959597	2009
<b>Supporting Heterogeneous Interfaces in Mobile Ad hoc Networks</b> <i>Muhammad Umar Farooq Muhammad Tassadaque Zia Muhammad Asim Mubarik Shoab Ahmad Khan</i> <i>International Conference on Computing, Engineering and Information</i> , res.country(233,) <b>Citations:</b> N/A <b>DOI:</b> 10.1109/ICC.2009.57	2009
<b>Gabor Wavelet Based Vessel Segmentation in Retinal Images</b> <i>M. Usman Akram Anam Tariq Sarwat Nasir Shoab A. Khan</i> <i>2009 IEEE Symposium on Computational Intelligence for Image Processing</i> , res.country(233,) <b>Citations:</b> N/A <b>DOI:</b> 10.1109/CIIP.2009.4937890	2009
<b>Blood Vessel Enhancement and Segmentation using Wavelet Transform</b> <i>M. Usman Akram Ali Atzaz S. Farrukh Aneeqe Shoab A. Khan</i> <i>2009 International Conference on Digital Image Processing</i> , res.country(217,) <b>Citations:</b> N/A <b>DOI:</b> 10.1109/ICDIP.2009.70	2009
<b>Optimal Placement of Detection Nodes against Distributed Denial of Service Attack</b> <i>Muhammad Hasan Islam Kamran Nadeem Dr Shoab A Khan</i> <i>2009 International Conference on Advanced Computer Control</i> , res.country(197,) <b>Citations:</b> N/A <b>DOI:</b> 10.1109/ICACC.2009.114	2009
<b>Efficient Placement of Sensors for Detection against Distributed Denial of Service Attack</b> <i>Muhammad Hasan Islam Kamran Nadeem Dr Shoab A Khan</i> <i>2008 International Conference on Innovations in Information Technology</i> , res.country(2,) <b>Citations:</b> N/A <b>DOI:</b> 10.1109/INNOVATIONS.2008.4781681	2008
<b>A Framework for Computationally Efficient Detection of Frequency Hopped Signals in Non-cooperative Environment</b> <i>Ahmed Furqan Shoab Ahmed Khan</i> <i>2008 16th International Conference on Software, Telecommunications and Computer Networks</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/SOFTCOM.2008.4669489	2008
<b>A Hybrid False Minutiae Removal Algorithm with Boundary Elimination</b> <i>Shahida Jabeen Khan Shoab A</i> <i>2008 IEEE International Conference on System of Systems Engineering</i> , res.country(197,) <b>Citations:</b> N/A <b>DOI:</b> 10.1109/SYSOSE.2008.4724177	2008
<b>Distributed Autonomous System Based Design Technique to Enhance Synchronization Productivity in Simulations</b> <i>Asad Waqar Malik Shoab Ahmad Khan</i> <i>AMS 2008 – 2nd Asia International Conference on Modelling &amp; Simulation</i> , res.country(157,) <b>Citations:</b> N/A <b>DOI:</b> 10.1109/AMS.2008.18	2008
<b>Least Mean Square Bit Stream Adaptive Filter Design</b> <i>Aqib Perwaiz Shoab A Khan</i> <i>International Conference on Computer Modeling and Simulation (uksim 2008)</i> , res.country(231,) <b>Citations:</b> N/A <b>DOI:</b> 10.1109/UKSIM.2008.29	2008
<b>Eight Bit Serial Triangular Compressor Based Multiplier</b>	2008

<p><i>Aqib Perwaiz Shoab A Khan</i>  <i>International Multi Conference of Engineers and Computer Scientist 2008</i>, res.country(94,)</p> <p><b>Citations:</b> N/A  <b>DOI:</b> <a href="https://pdfs.semanticscholar.org/f0eb/3d976a9e157a5e8b35021846a756f6f3db9b.pdf">https://pdfs.semanticscholar.org/f0eb/3d976a9e157a5e8b35021846a756f6f3db9b.pdf</a></p>	2008
<p><b>Statistical Fuzzy Classifier for Heart Sounds</b>  <i>Talha Jamal Ahmad Hussnain Ali Shoab Ahmad Khan</i>  <i>Pan American Health Care Exchange (PAHCE 2008)</i>, res.country(233,)</p> <p><b>Citations:</b> N/A  <b>DOI:</b> N/A</p>	2008
<p><b>FINGERPRINT IMAGE SEGMENTATION BASED ON BOUNDARY VALUES</b>  <i>M. Usman Akram Anam Tariq Shahida Jabeen Shoab A. Khan</i>  <i>Proceedings of the Third International Conference on Computer Vision Theory and Applications</i>, res.country(183,)</p> <p><b>Citations:</b> N/A  <b>DOI:</b> 10.5220/0001089401340138</p>	2008
<p><b>Bit Serial CORDIC DDES Design for Serial Digital Down Converter</b>  <i>Aqib Perwaiz Shoab A Khan</i>  <i>2007 Australasian Telecommunication Networks and Applications Conference</i>, res.country(170,)</p> <p><b>Citations:</b> N/A  <b>DOI:</b> 10.1109/ATNAC.2007.4665273</p>	2007
<p><b>Depth Measurement and 3-D Reconstruction of Multilayered Surfaces by Binocular Stereo Vision with Parallel Axis Symmetry Using Fuzzy</b>  <i>Sharjeel Anwar Shoab Ahmad Khan Taosif Iqbal Zubair Shafiq Abdul Moeed</i>  <i>World Congress on Engineering and Computer Science 2007 WCECS 2007</i>, res.country(233,)</p> <p><b>Citations:</b> N/A  <b>DOI:</b> <a href="http://www.iaeng.org/publication/WCECS2007/WCECS2007_pp1046-1050.pdf">http://www.iaeng.org/publication/WCECS2007/WCECS2007_pp1046-1050.pdf</a></p>	2007
<p><b>Performance improvement of layered MIMO OFDM system using turbo codes</b>  <i>Sami Ahmed Haider Khalida Noori Dr Shoab Ahmed Khan</i>  <i>2007 International Conference on Wireless Communications, Networking and Mobile Computing</i>, res.country(48,)</p> <p><b>Citations:</b> N/A  <b>DOI:</b> 10.1109/WICOM.2007.46</p>	2007
<p><b>High Performance and Low power Programmable Bit Serial Digital Down Converter Design Based on Half Band FIR Decimation</b>  <i>Aqib Perwaiz Shoab Ahmad Khan</i>  <i>International Conference on High Performance Computing, Networking and Communication System (HPNCNCS-07)</i>, res.country(233,)</p> <p><b>Citations:</b> N/A  <b>DOI:</b> <a href="https://www.semanticscholar.org/paper/High-Performance-and-Low-Power-Programmable-Bit-on-Perwaiz-Khan/c40c467330227c6563fd07b5b78debd413f4c59c">https://www.semanticscholar.org/paper/High-Performance-and-Low-Power-Programmable-Bit-on-Perwaiz-Khan/c40c467330227c6563fd07b5b78debd413f4c59c</a></p>	2007
<p><b>An Efficient Estimation Algorithm for MIMO OFDM System Using Turbo Codes</b>  <i>Khalida Noori Sami Ahmed Haider SHOAIB AHMED KHAN</i>  <i>International Conference on Telecommunications and Networking/International Conference on Industrial Electronics, Technology and Automation held on 31 May 2007 in Univ Bridgeport, Bridgeport, CA</i>, res.country(233,)</p> <p><b>Citations:</b> N/A  <b>DOI:</b> 10.1007/978-1-4020-8737-0_72</p>	2007
<p><b>Context Aware Network Enabled Distributed Modeling and Simulation Framework</b>  <i>Asad Waqar Malik Sulieman Khan SHOAIB AHMED KHAN</i>  <i>Asia International Conference on Modelling &amp; Simulation (AMS'07)</i>, res.country(217,)</p> <p><b>Citations:</b> N/A  <b>DOI:</b> 10.1109/AMS.2007.29</p>	2007
<p><b>Silicon Real Time Operating system for Embedded DSPs</b>  <i>Zeeshan Murtaza Shoab A. Khan Abid Rafique Khalid Bashir Bajwa Umer Zaman</i>  <i>2006 International Conference on Emerging Technologies</i>, res.country(177,)</p> <p><b>Citations:</b> N/A  <b>DOI:</b> 10.1109/ICET.2006.336032</p>	2006
<p><b>Image Enhancement Using Nonsubsampling Contourlet Transform</b>  <i>Rafia Mumtaz Raja Iqbal Shoab Ahmed Khan</i></p>	2006



<i>International Conference on Intelligent Information</i> , res.country(13,)	
<b>Citations:</b> N/A	
<b>DOI:</b> <a href="https://doi.org/10.1007/978-0-387-44641-7_41">https://doi.org/10.1007/978-0-387-44641-7_41</a>	
<b>802.11 disassociation DoS attack and its solutions: A survey</b>	2006
<i>Baber Aslam M Hasan Islam Shoab A. Khan</i>	
<i>2006 Proceedings of the First Mobile Computing and Wireless Communication International Conference</i> , res.country(112,)	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1109/MCWC.2006.4375225	
<b>Pseudo Randomized Sequence Number Based Solution to 802.11 Disassociation Denial of Service Attack</b>	2006
<i>Baber Aslam' M Hasan Islam Shoab A. Khan'</i>	
<i>2006 Proceedings of the First Mobile Computing and Wireless Communication International Conference</i> , res.country(112,)	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1109/MCWC.2006.4375224	
<b>Performance Evaluation of AODV &amp; DSR for Wireless Senior Networks</b>	2006
<i>Rizwan Ahmed Khan Shoab Ahmad Khan</i>	
<i>10th WSEAS International Conference on Computers</i> , res.country(88,)	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.5555/1981726.1981777	
<b>A Multi-DSP based Simulator for Architecture and High Density Algorithm Exploration</b>	2005
<i>Fozia Noor Khan Shoab A Khan</i>	
<i>9th International Multi Topic Conference (INMIC)</i> , res.country(177,)	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1109/INMIC.2005.334392	
<b>Traffic estimation and real time prediction using Adhoc Networks</b>	2005
<i>Fatima Batool Shoab A Khan</i>	
<i>Proceedings of the IEEE Symposium on Emerging Technologies</i> , res.country(177,)	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1109/ICET.2005.1558892	
<b>Urdu online handwriting recognition</b>	2005
<i>Shumaila Malik Shoab A Khan</i>	
<i>Proceedings of the IEEE Symposium on Emerging Technologies 2005</i> , res.country(177,)	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1109/ICET.2005.1558849	
<b>Analyzing &amp; Enhancing energy Efficient Communication Protocol for Wireless Micro-sensor Networks</b>	2005
<i>IRFAN MAJEED BUTT SHOAB AHMED KHAN</i>	
<i>ITI 3rd International Conference on Information and Communications Technology</i> , res.country(177,)	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1109/ICICT.2005.1598611	
<b>Hardware design for registration of aerial video imagery</b>	2004
<i>Rehan Hafiz M. Ali Tahir Omair Arshad Shoab A. Khan</i>	
<i>8th International Multitopic Conference (INMIC'04)</i> , res.country(177,)	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1109/INMIC.2004.1492977	
<b>An Area and time Efficient collapsed Modified Cordic DDFS Architecture for High Rate digital receivers</b>	2004
<i>Tahir Zaidi Qaiser Chaudry Shoab A Khan</i>	
<i>8th International Multitopic Conference</i> , res.country(177,)	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1109/INMIC.2004.1492976-	
<b>Real-time Object Based Single-Stream to Multi-Stream Network Enabled Multimedia System Using an Adder-Less Reconfigurable Fast Area Correlator Processor</b>	2004
<i>Fozia Nom Khan Shoab Ahmad Khan</i>	
<i>8th International Multitopic Conference</i> , res.country(177,)	
<b>Citations:</b> N/A	
<b>DOI:</b> 10.1109/INMIC.2004.1492978	

<b>An optimized Hardware Accelerator for Real time Regn of Arial video Imagery and its application</b> <i>Rehan Hafiz M. Ali Tahir Omair Arshad Shoab A. Khan</i> <i>International Conference on Image and Graphics (ICIG'04), res.country(48,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/ICIG.2004.37	2004
<b>A Zone-based location service for geocasting in mobile ad hoc networks</b> <i>Zeeshn Hameed Shoab Ahmed Khan</i> <i>2004 Joint Conference , res.country(48,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/APCC.2004.1391858	2004
<b>A Zone-Based Location Service for Mobile Ad Hoc Networks</b> <i>Zeeshan Hameed Mir Shoab Ahmed Khan</i> <i>2004 International Networking and Communication Conference, res.country(177,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/INCC.2004.1366567	2004
<b>Design and implementation of a programmable processor optimized for table driven solutions and its application in mobile ad-hoc networks</b> <i>Fahd Javed Asim Munawar Omer Qadir Shoab A. Khan Amir Qayyum</i> <i>7th International Multi Topic Conference, res.country(177,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/INMIC.2003.1416721	2003
<b>A Motion Estimation chip for block Based Mpeg-4 Video Application</b> <i>Maleeha Abbas Batool Talha Shoab Khan Adeel Abbas</i> <i>INMIC 2003: IEEE 7th International Multi Topic Conference, res.country(177,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/INMIC.2003.1416718	2003
<b>Robust Image Matching algorithm</b> <i>Abdul Ghafoor Rao Naveed Iqbal SHOAIB AHMED KHAN</i> <i>4th EURASIP Conference focused on Video/Image</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1109/VIPMC.2003.1220455	2003
<b>Image Matching Using Distance Transform</b> <i>Naveed Iqbal Abdul Ghafoor SHOAIB AHMED KHAN</i> <i>Scandinavian Conference on Image Analysis SCIA 2003, res.country(196,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1007/3-540-45103-X_87	2003
<b>Modified Chamfer Matching Algorithm</b> <i>Abdul Ghafoor Rao Naveed Iqbal SHOAIB AHMED KHAN</i> <i>4th International Conference, IDEAL 2003 , res.country(94,)</i> <b>Citations:</b> N/A <b>DOI:</b> 10.1007/978-3-540-45080-1_159	2003
<b>Optimal Generation of DSP Processor from Behavioral Description</b> <i>Adeel Abbas Shoab Khan</i> <i>12th FPL 2002 , res.country(75,)</i> <b>Citations:</b> N/A <b>DOI:</b> N/A	2002