

Haider Abbas

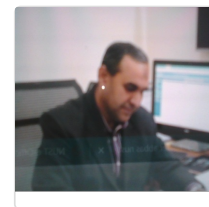
Professor

Military College of Signals

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About

Dr. Haider Abbas is working as Professor in the Military College of Signals. Dr. Haider Abbas has a PhD in Cyber Security. Dr. Haider Abbas has published 156 research articles & conference papers having a citation count of 4881, carried out 8 projects and filed 9 intellectual property.

Qualifications

PhD in Cyber Security Royal Institute of Technology , Sweden	2006 - 2010
MPhil in Engineering And Management Of Information Systems Royal Institute of Technology , Sweden	2005 - 2006

Experience

Professor Military College of Signals	2023- Present
Professor Military College of Signals	2021 - 2019
Associate Professor Military College of Signals	2021 - 2021
Associate Professor Military College of Signals	2019 - 2021
Associate Professor Military College of Signals	2017 - 2021
Assistant Professor Military College of Signals	2017 - 2017
Assistant Professor Military College of Signals	2010 - 2017
Assistant Professor/Head R&D King Saud University , KSA	2013 - 2017
Research Fellow King Saud University , Riyadh KSA	2012 - 2013
Research Assistant KTH, Sweden , Stockholm,Sweden	2005 - 2010
Computer Programmer /Lecturer B.Z.University , Multan, Pakistan	2003 - 2005

Awards

School/College Best Researcher Awards-2021	2022
Track Chair IEEE: Track Chair, The 29th IEEE International Conference on Enabling Technologies: Infrastructure for Collaborative Enterprises 09-11 June 2021, Basque Coast - Bayonne, France	2021
Adjunct Faculty- Adjunct Faculty, Gachon University South Korea	2021

Editor PeerJ	2021
Associate Editor , PeerJ Computer Science (ISI-Indexed, IF 3.1)	
Editor NUST J :	2020
Associate Editor , NUST Journal of Engineering Sciences	
Co-Chair IEEE:	2020
Special issue Chair, The 18th IEEE International Conference on Dependable, Autonomic and Secure Computing (DASC 2020), June 22-25 in Calgary, Alta	
ACM DS:	2020
Appointed as 1st ACM Distinguished Speaker from Pakistan by ACM - Association for Computing Machinery, United States	
Member BOG NITB	2019
Member of the Board of Governors for National Information Technology Board (NITB), Headed by the President of Pakistan;	
Adjunct Faculty-	2019
Foreign Expert / Doctoral Studies Advisor , Al-Farabi Kazakh National University	
Keynote Speaker:	2019
Keynote Speaker International Conference on Information & Communication Technologies 'Next Generation Technologies' 16 - 17 November 2019 IBA, Karachi, Pakistan	
Workshop Chair :	2019
Workshop Chair International Workshop on Cyber Security and Digital Investigation (CSDI 2019) To be held in conjunction with 16th MobiSPC 2019), August 19-21, 2019 Halifax Nova Scotia, Canada	
NUST Best Researcher Award	2019
Overall NUST University Best Researcher for 2017-2018 among all NUST constituent Colleges and Schools across Pakistan	
Editor IEEE :	2019
Associate Editor, The IEEE International Conference on Biomedical and Health Informatics, IEEE BHI 2019, 19 - 22 May 2019 University of Illinois at Chicago, IL, USA	
Adjunct Faculty-	2019
Graduate/ Doctoral Studies Advisor , Manchester Metropolitan University	
Keynote Speaker:	2018
Keynote Speaker at International Conference on Computer Science and Allied Technologies, Lahore Garrison University, December 2018, Pakistan	
Keynote Speaker IEEE:	2018
Keynote Speaker , IEEE International Symposium on Artificial Intelligence and Robotics 2018 (ISAIR2018), November 17-19, 2018, Nanyang, China	
Track Chair IEEE:	2018
Track Chair, SSTM, The 27th IEEE International Conference on Enabling Technologies: Infrastructure for Collaborative Enterprises (2018), Paris, France	
Appreciation Plaque:	2018
Plaque of Appreciation for Cyber Security Training Qatar National Commission for Education, Culture and Science, 2018	
Cyber Sec. Panelist	2018
Cyber Security Distinguished Panelist at Launch Conference of Institute of Advanced Studies, Islamabad National University, 2018 at Prime Minister House , Islamabad	
Invited Speaker :	2018
Invited Speaker/Resource Person 8th International Workshop on 'Internet Security: Enhancing Information Exchange Safeguards' (2018), Doha, Qatar	
PCST Award	2018
Research Productivity Award from Pakistan Council for Science and Technology (PCST) 2017	
MCS BR Award	2017
MCS- NUST Best Researcher Award	
IET Fellow -	2017
Awarded one of the youngest Fellow of The Institution of Engineering and Technology (IET) UK	
Appreciation Plaque:	2017
Plaque of Appreciation for Information Security Training from Al-Farabi Kazakh National University, Kazakhstan, 2017	
Track Chair IEEE:	2017
Track Chair, The 26th IEEE International Conference on Enabling Technologies: Infrastructure for Collaborative Enterprises (2017), Poland	
BCS Fellow:	2017
Awarded the Grade of Fellow from The British Computer Society , UK	

IST Fellow:	2017
Awarded the Grade of Fellow from The Institute of Science & Technology, UK	
Editor IEEE :	2017
Full-Time Associate Technical Editor, IEEE Communications Magazine (Jan 2017 to Dec 2020)(ISI-Indexed, IF 11.05)	
Editor Elsevier :	2017
Full-Time Associate Editor, Journal of Network and Computer Applications (Elsevier) (ISI-Indexed, IF 5.5)	
Adjunct Faculty	2016
Graduate Faculty/ Member Advisory Board for Doctoral and Graduate Studies, Florida Institute of Technology (FIT), USA	
Co-Chair IEEE:	2016
Track Chair, 17th International Conference on E-health Networking, Application & Services (HealthCom 2016), Munich, Germany	
Co-Chair IEEE:	2016
Co-Chair, IEEE International Workshop on Big Data Analytics for Smart and connected Health, 2016, Washington DC, USA	
Invited Speaker:	2016
Invited Speaker/ Academic Expert, 6th International Workshop on 'Internet Security: Enhancing Information Exchange Safeguards' (2016), Rabat, Morocco	
SMIEEE-	2016
Elected to the Grade of Senior Member form Institute of Electrical and Electronics Engineers (SMIEEE), USA	
Editor Springer:	2016
Full-Time Associate Editor, Cluster Computing (Springer) (ISI-Indexed, IF 3.4)	
Appreciation Plaque:	2015
Plaque of Appreciation for Cyber Security Training from the Training Centre for Islamic Countries (SESRIC), 2015, Ankara, Turkey	
Co-Chair IEEE:	2015
Track Chair, International Conference on Information Technology- New Generations, 2015 Las Vegas, USA	
Co-Chair IEEE:	2015
Track Chair, The 12th International Conference on Mobile Systems and Pervasive Computing (MobiSPC 2015) Belfort, France	
Invited Speaker:	2015
Invited Speaker/ Academic Expert, 5th International Workshop on 'Internet Security: Enhancing Information Exchange Safeguards' (2015), Ankara, Turkey	
Panellist Cyber Security	2015
Expert Panel list 6th Cyber Security Summit, (2015), Riyadh, Saudi Arabia	
Invited Speaker:	2015
Invited Speaker at Microsoft Trusting Cloud Workshop (2015), Riyadh, KSA	
Editor :	2015
Full-Time Associate Editor, Ad Hoc & Sensor Wireless Networks (ISI-Indexed, IF 0.9)	
Appreciation Plaque:	2014
Plaque of Appreciation for Information Security Training from Tanzania Commission for Science & Technology (COSTECH), 2014, Tanzania	
Keynote Speaker :	2014
Key Note Speaker at 3rd International Workshop on 'Internet Security: Enhancing Information Exchange Safeguards' (2014), Nabeul, Tunisia	
CyberPatriot-	2014
CyberPatriot from NG, US Air force Association, USA	
Editor IEEE :	2014
Full-Time Associate Editor, IEEE Access (ISI-Indexed, IF 4.0)	
Editor :	2014
Full-Time Associate Editor, KSII Transactions on Internet and Information Systems (ISI-Indexed, IF 0.6)	
Appreciation Plaque:	2013
Plaque of Appreciation for Cyber Security Training from Higher Institute of Technological Studies (ISET), 2013, Nabeul, Tunisia	
Co-Chair IEEE:	2012
Co-Chair, IEEE Eastern European Regional Conference on the Engineering of Computer-Based Systems (2012), Serbia	
Keynote Speaker:	2012
Key Note Speaker AT 2nd COMSATS-ISESCO International Workshop on Internet Security: Enhancing Information Exchange Safeguards, (2012) Jordan	
Appreciation Plaque:	2012

Plaque of Appreciation from Royal Scientific Society (RSS), 2012, Amman, Jordan	
Editor Springer: Full-Time Associate Editor, Electronic Commerce Research (Springer) (ISI-Indexed, IF 2.7) (From June 2012 to June 2019)	2012
Appreciation Plaque: Plaque of Appreciation for Cyber Security Training from Higher Institute for Applied Sciences and Technology (HIAST), 2011, Damascus, Syria	2011
Invited Speaker: Invited Speaker at Workshop on Internet Security: Enhancing Information Exchange Safeguards, (2011) Damascus, Syria	2011
Invited Speaker: Invited Speaker at 4th Annual IPID Symposium (2009), London, UK	2009
Invited Speaker: Invited Speaker at IPID Annual workshop (2009), Orebro, Sweden	2009
Appreciation Plaque: Plaque of Appreciation for Cyber Security Training from Islamic Educational, Scientific and Cultural Organization (ISESCO), 2016, Rabat, Morocco	
Guest Editor IEEE: Lead Guest Editor, Feature Topic on Cyber security for Critical Infrastructure Systems, IEEE Communications Magazine (IEEE) (ISI-Indexed, IF 11.4)	
Guest Editor MIAD Guest Editor, Mobile Intelligence Assisted by Data Analytics and Cognitive Computing (MIAD), Wireless Communications and Mobile Computing {Impact factor: 1.5, ISI-EI Indexed}	
Track Chair IEEE: Track Chair, The 28th IEEE International Conference on Enabling Technologies: Infrastructure for Collaborative Enterprises (2019), Capri, Italy	
HEC App Suprsr : HEC Approved Doctoral Studies Advisor	
Director NCSAEL Founder & Director, National Cyber Security Auditing and Evaluation Lab (NCSAEL), MCS NUST	
Member, Association ICT: Member, Association for Information Systems Special Interest Group on ICT and Global Development, USA	
Editor IEEE: Full-Time Associate Editor, IEEE Transactions on Information Technology in Biomedicine / IEEE Journal of Biomedical and Health Informatics (IEEE) (ISI-Indexed, IF 5.2)	
Regional Editor Springer: Regional Editor (Pakistan & Iran), Neural Computing and Applications (Springer) (ISI-Indexed, IF 4.7)	
Editor Springer: Associate Editor, Springer Plus (Springer) (ISI-Indexed, IF 0.9) (Till January 2016)	
Guest Editor Springer: Lead Guest Editor, Special Issue on Security and Privacy issues in Cloud Computing, Springer- Annals of Telecommunications (ISI-Indexed, IF 1.4)	
Guest Editor Springer: Lead Guest Editor, Special Issue on Secure Cloud Computing for Mobile Health Services in Springer Peer to Peer Networking and Applications (ISI-Indexed, IF 1.2)	
Sec. Editor IEEE : Section Editor, Security Analytics and Intelligence for Cyber Physical Systems, IEEE Access (ISI-Indexed, IF 4.0)	
Guest Editor Springer: Guest Editor, Special Issue "Smart e-Commerce Integration with Recommender Systems", Electronic Markets (ISI-Indexed, IF 2.8)	
Guest Editor Elsevier: Guest Editor, Special Issue on Cognitive Internet of Things Assisted by Cloud Computing and Big Data, Future Generation Computer Systems (Elsevier) {Impact factor: 6.1, ISI-EI Indexed}	
Workshop Chair, IEEE Workshop Chair, IEEE International Wireless Communications & Mobile Computing Conference (IWCMC 2019) , June 24 — 28, 2019, Tangier, Morocco	
Poster Chair IEEE: Poster/Demo Chair, The 17th IEEE Int'l Conference on Dependable, Autonomic and Secure Computing (DASC 2019) August 5-8, 2019, Fukuoka, Japan	
Invited Speaker:	

University Best Researcher Award -2022

Research Projects

National Projects

PAK-UK Education Gateway Mobility Partnership Grant For Faculty Funding Agency: British Council Amount: PKR 2,810,000.00 Status: Approved_inprocess	2023
AI STP- Web Appl Security Evaluation and Health Informatics Funding Agency: Army Amount: PKR 15,060,000.00 Status: Approved_inprocess	2022
AI Empowered Anomaly Detection System and MITRE Att@ck Mapping Funding Agency: National Center in Big Data and Cloud Computing (NCBC) Amount: PKR 2,400,000.00 Status: Completed	2020
Rethinking cybersecurity in Pakistan: Human factirs' Essential Role (ReCyP:HER) Funding Agency: European Union Amount: PKR 19,550,000.00 Status: Approved_inprocess	
NetXploit - The Smart Pentester Funding Agency: Islamic Development Bank Amount: PKR 15,000,000.00 Status: Completed	2019
Temper resistant database log update via blockchain Funding Agency: Higher Education Commission Amount: PKR 348,300.00 Status: Completed	2019
Traffic Accident Prediction Model using Deep Learning and Machine Learning Algorithms Funding Agency: HEC Amount: PKR 459,000.00 Status: Completed	2019
NATIONAL CYBER SECURITY AUDITING AND EVALUATION LAB (NCSAEL) Funding Agency: HEC Amount: PKR 73,200,000.00 Status: Approved_inprocess	2018

International Projects

Research Articles

Compliance and feedback based model to measure cloud trustworthiness for hosting digital twins <i>Syed Imran Akhtar Abdul Rauf Haider Abbas Muhammad Faisal Amjad Ifra Batool</i> <i>Journal of Cloud Computing</i> , Volume 13, Article Number: 132 Impact Factor: 3.700 Quartile: 2 DOI: https://doi.org/10.1186/s13677-024-00690-0	2024
C2-Eye: framework for detecting command and control (C2) connection of supply chain attacks <i>Raja Zeeshan Haider Baber Aslam Haider Abbas Zafar Iqbal</i> <i>International Journal of Information Security</i> , Volume 23, Issue 4, Pages 2531-2545 Impact Factor: 2.400 Quartile: 2 Citations: 2 DOI: https://doi.org/10.1007/s10207-024-00850-y	2024
Verifiable Privacy-Preserving Image Retrieval in Multi-Owner Multi-User Settings <i>Shahzad Khan Haider Abbas Waseem Iqbal</i> <i>IEEE Transactions on Emerging Topics in Computational Intelligence</i> , Volume 8, Issue 2 Impact Factor: 5.3 Quartile: 2 Citations: 8	2024

DOI: 10.1109/TETCI.2024.3353612

Secure semantic search using deep learning in a blockchain-assisted multi-user setting

2024

Shahzad Khan Haider Abbas Muhammad Binsawad

Journal of Cloud Computing, Volume 13, Issue 1, Article Number: 29

Impact Factor: 3.700 | **Quartile:** 2

DOI: <https://doi.org/10.1186/s13677-023-00578-5>

Security Assessment and Evaluation of VPNs: A Comprehensive Survey

2023

Haider Abbas Naina Emmanuel Muhammad Faisal Amjad Tahreem Yaqoob Muhammad Atiquzzaman Zafar Iqbal Narmeen Shafqat Waleed Bin Shahid Ali
Tanveer Umer Ashfaq

ACM Computing Surveys, Volume 55, Issue 13s

Impact Factor: 14.324 | **Quartile:** 1 | **Citations:** 18

DOI: <https://doi.org/10.1145/3579162>

PCSS: Privacy Preserving Communication Scheme for SDN Enabled Smart Homes

2022

Haider Abbas Bilal Rauf Yawar Abbas Muhammad Faisal Amjad Mian Muhammad Waseem Iqbal Ahmed Hemani
IEEE Sensors, Volume 22, Issue 18, Pages 17677-17690

Impact Factor: 3.301 | **Quartile:** 2 | **Citations:** 32

DOI: 10.1109/JSEN.2021.3087779

ENCVIDC: an innovative approach for encoded video content classification

2022

Faiqa Amjad Fawad Khan Shahzaib Tahir Tahreem Yaqoob Haider Abbas
Neural Computing and Applications, Pages 1-18

Impact Factor: 6.0 | **Quartile:** 2 | **Citations:** 4

DOI: <https://doi.org/10.1007/s00521-022-07480-2>

A deep learning assisted personalized deception system for countering web application attacks

2022

Waleed Bin Shahid Haider Abbas Hammad Afzal Saad Bin Khalid Baber Aslam

Journal of Information Security and Applications, Volume 67, Article Number 103169

Impact Factor: 3.872 | **Quartile:** 2 | **Citations:** 10

DOI: <https://doi.org/10.1016/j.jisa.2022.103169>

A framework to predict early news popularity using deep temporal propagation patterns

2022

Ramsha Saeed Haider Abbas Sara Asif Saddaf Rubab Malik Muhammad Khan Naima Altaf Shynar Mussiraliyeva
Expert Systems with Applications, Volume 195, Article Number 116496

Impact Factor: 6.954 | **Quartile:** 1 | **Citations:** 7

DOI: <https://doi.org/10.1016/j.eswa.2021.116496>

Water Is a Viable Data Storage Medium: A Security and Privacy Viewpoint

2022

Shahzaib Tahir Hasan Tahir Ruhma Tahir Muttukrishnan Rajarajan Haider Abbas
Electronics, Volume 11(5), Article Number 818

Impact Factor: 2.397 | **Quartile:** 3

DOI: <https://doi.org/10.3390/electronics11050818>

Forensic analysis of image deletion applications

2022

Maheen Fatima Haider Abbas Waseem Iqbal Narmeen Shafqat
Multimedia Tools and Applications, Pages 1-28

Impact Factor: 2.757 | **Quartile:** 2 | **Citations:** 1

DOI: <https://doi.org/10.1007/s11042-021-11619-z>

An enhanced deep learning based framework for web attacks detection, mitigation and attacker profiling

2022

Waleed Bin Shahid Haider Abbas Saad Bin Khalid Hammad Afzal Baber Aslam

Journal of Network and Computer Applications, Volume 198, Article Number 103270

Impact Factor: 8.7 | **Quartile:** 1 | **Citations:** 43

DOI: <https://doi.org/10.1016/j.jnca.2021.103270>

Enriching Conventional Ensemble Learner with Deep Contextual Semantics to Detect Fake News in Urdu

2022

Ramsha Saeed Hammad Afzal Haider Abbas Maheen Fatima

ACM Transactions on Asian and Low-Resource Language Information Processing, Volume 21, Issue 1, Article Number 6, Pages 1-19

Impact Factor: 1.413 | **Quartile:** 4 | **Citations:** 3

DOI: <https://doi.org/10.1145/3461614>

CACS: A Context-Aware and Anonymous Communication Framework for an Enterprise Network using SDN <i>Bilal Rauf Haider Abbas Ahmed Muqeem Shehri Waseem Iqbal Yawar Abbas Bangash Mahmoud Daneshmand Muhammad Faisal Amjad</i> <i>IEEE Internet of Things Journal</i> , Volume: 9, Issue: 14, Page(s): 11725 - 11736, 15 July 2022 Impact Factor: 9.471 Quartile: 1 Citations: 5 DOI: 10.1109/JIOT.2021.3132030	2021
Textual analysis of traitor-based dataset through semi supervised machine learning <i>Asif Masood Haider Abbas Faisal Nawaz Janjua Imran Rashid Malik Muhammad Zaki Murtaza</i> <i>Future Generation Computer Systems</i> , Volume 125, Pages 652-660 Impact Factor: 7.307 Quartile: 1 Citations: 17 DOI: 10.1016/j.future.2021.06.036	2021
A survey on Common Criteria (CC) evaluating schemes for security assessment of IT products <i>Mehreen Fatima Haider Abbas Tahreem Yaqoob Narmeen Shafqat Zameen Ahmad Raja Zeeshan Zia Muhammad Tauseef Ahmad Rana Shynar</i> <i>Mussiraliyeva</i> <i>PeerJ Computer Science</i> , Volume 7, Article Number e701 Impact Factor: 2.411 Quartile: 2 Citations: 12 DOI: 10.7717/peerj-cs.701	2021
Hand-based Multibiometric Systems: State-of-the-Art and Future Challenges <i>Farhan Riaz Anum Aftab Haider Abbas Muhammad Waseem Iqbal Farrukh Aslam Khan Muhammad Khurram Khan</i> <i>PeerJ Computer Science</i> , Volume 7, Article Number e707 Impact Factor: 2.411 Quartile: 2 Citations: 15 DOI: https://doi.org/10.7717/peerj-cs.707	2021
Blockchain-Based Public Key Infrastructure: A Transparent Digital Certification Mechanism for Secure Communication <i>Aqsa Rashid Asif Masood Dr. Haider Abbas Yin Zhang</i> <i>IEEE Network</i> , Volume:35, Issue:5, Page:220-225 Impact Factor: 10.294 Quartile: 1 Citations: 25 DOI: 10.1109/MNET.101.2000532	2021
ALAM: Anonymous Lightweight Authentication Mechanism for SDN Enabled Smart Homes <i>Haider Abbas Bilal Rauf Yawar Abbas Imran Rashid Mian Muhammad Waseem Iqbal Pan Deng Jiafu Wan</i> <i>IEEE Internet of Things Journal</i> , Volume 8, Issue 12, Pages 9622-9633 Impact Factor: 10.238 Quartile: 1 Citations: 65 DOI: 10.1109/JIOT.2020.3024058	2021
An Edge Computing Node Deployment Method Based on Improved k-Means Clustering Algorithm for Smart Manufacturing <i>Chun Jiang Jiafu Wan Haider Abbas</i> <i>IEEE Systems Journal</i> , Volume 15, Issue 2, Pages 2230-2240 Impact Factor: 4.802 Quartile: 2 Citations: 49 DOI: 10.1109/JSYST.2020.2986649	2021
Context-oriented trust computation model for industrial Internet of Things <i>Ayesha Altaf Haider Abbas Faiza Iqbal Farrukh AslamKh Abdelouahid Derhab Saddaf Rubab</i> <i>Computers & Electrical Engineering</i> , Volume 92, Article Number 107123 Impact Factor: 4.152 Quartile: 2 Citations: 15 DOI: https://doi.org/10.1016/j.compeleceng.2021.107123	2021
User-Oriented Virtual Mobile Network Resource Management for Vehicle Communications <i>Huimin Lu Yin Zhang Yujie Li Chi Jiang Haider Abbas</i> <i>IEEE Transactions on Intelligent Transportation Systems</i> , Volume 22, Issue 6, Pages 3521-3532 Impact Factor: 9.551 Quartile: 1 Citations: 183 DOI: 10.1109/TITS.2020.2991766	2021
Cybersecurity Standards in the Context of Operating System: Practical Aspects, Analysis, and Comparisons <i>Syed Wasif Abbas Hamdani Haider Abbas Abdul Rehman Janjua Waleed Bin Shahid Muhammad Faisal Amjad Jahanzaib Malik Malik Hamza Murtaza</i> <i>Mohammed Atiquzzaman Abdul Waheed Khan</i> <i>ACM Computing Surveys</i> , Volume 54, Issue 3, Article Number 57 Impact Factor: 14.324 Quartile: 1 Citations: 24 DOI: https://doi.org/10.1145/3442480	2021

Robust, Secure, and Adaptive Trust-Oriented Service Selection in IoT-Based Smart Buildings <i>Malik Muhammad Zaki Murtaza Khan Ayesha Altaf Haider Abbas Faiza Iqbal Mahmoud Daneshmand</i> <i>IEEE Internet of Things Journal</i> , Volume 8, Issue 9, Pages 7497-7509 Impact Factor: 10.238 Quartile: 1 Citations: 23 DOI: 10.1109/JIOT.2020.3040775	2021
Mitigating service-oriented attacks using context-based trust for smart cities in IoT networks <i>Ayesha Altaf Haider Abbas Faiza Iqbal Malik Muhammad Zaki Murtaza Abdul Rauf Tehsin Kanwal</i> <i>Journal of Systems Architecture</i> , Volume:115, Article Number: 102028 Impact Factor: 5.836 Quartile: 1 Citations: 28 DOI: 10.1016/j.sysarc.2021.102028	2021
AdS : An Adaptive Spectrum Sensing Technique for Survivability under Jamming Attack in Cognitive Radio Networks <i>Hammad Afzal Haider Abbas Abdul B. Subhani Muhammad Faisal Amjad</i> <i>Computer Communications</i> , Volume 172, Pages 25-34 Impact Factor: 5.047 Quartile: 1 Citations: 10 DOI: https://doi.org/10.1016/j.comcom.2021.03.001	2021
Enterprise Integration Patterns in SDN: A Reliable, Fault-Tolerant Communication Framework <i>Waseem Iqbal Abdul Waheed Abdul Waheed Bilal Rauf Haider Abbas Ahmed Muqeem Sheri Abdul Waheed</i> <i>IEEE Internet of Things Journal</i> , Volume 8, Issue 8, Pages 6359-6371 Impact Factor: 10.238 Quartile: 1 Citations: 9 DOI: 10.1109/JIOT.2020.3034350	2021
Cryptographic Framework for Role Control Remedy: A Secure Role Engineering mechanism for Single Authority Organizations <i>Aqsa Rashid Asif Masood Haider Abbas</i> <i>Future Generation Computer Systems</i> , Volume 117, Pages 245-258 Impact Factor: 7.307 Quartile: 1 Citations: 3 DOI: https://doi.org/10.1016/j.future.2020.10.021	2021
Multi-task reading for intelligent legal services <i>Yujie Li Gang Hu Jinyang Du Haider Abbasd Yin Zhang</i> <i>Future Generation Computer Systems</i> , Volume 113, Pages 218-227 Impact Factor: 7.187 Quartile: 1 Citations: 1 DOI: https://doi.org/10.1016/j.future.2020.07.001	2020
An In-Depth Analysis of IoT Security Requirements, Challenges and their Countermeasures via Software Defined Security <i>Mian Muhammad Waseem Iqbal Haider Abbas Mehmood Daneshmand Bilal Rauf Yawar Abbas Bangash</i> <i>IEEE Internet of Things Journal</i> , Volume 7, Issue 10, Pages 10250-10276 Impact Factor: 9.471 Quartile: 1 Citations: 310 DOI: 10.1109/JIOT.2020.2997651	2020
Kleptographic Attack on Elliptic Curve Based Cryptographic Protocols <i>Anum Sajjad Mehreen Afzal Mian Muhammad Waseem Iqbal Haider Abbas Rabia Latif Rana Aamir Raza</i> <i>IEEE Access</i> , Volume 8, Pages 139903-139917 Impact Factor: 3.367 Quartile: 2 Citations: 8 DOI: 10.1109/ACCESS.2020.3012823	2020
Analytical study of hardware-rooted security standards and their implementation techniques in mobile <i>Naveeda Ashraf Ashraf Masood Haider Abbas Rabia Latif Narmeen Shafqat</i> <i>Telecommunication Systems</i> , Volume 74, Pages 379-403 Impact Factor: 2.314 Quartile: 3 Citations: 3 DOI: https://doi.org/10.1007/s11235-020-00656-y	2020
Efficient Attribute Based Encryption with Repeated Attributes Optimization <i>Fawad Khan Hui Li Yinghui Zhang Haider Abbas Tahreem Yaqoob</i> <i>International Journal of Information Security</i> , 1-14 Impact Factor: 1.988 Quartile: 2 Citations: 3 DOI: https://doi.org/10.1007/s10207-020-00505-8	2020
DAISY: A Detection and Mitigation System Against Denial-of-Service Attacks in Software-Defined Networks	2020

<p><i>Muhammad Imran Muhammad Hanif Durad Farrukh Aslam Khan Haider Abbas</i> <i>IEEE Systems Journal</i>, Volume 14, Issue 2, Pages 1933 - 1944</p> <p>Impact Factor: 3.931 Quartile: 1 Citations: 28 DOI: 10.1109/JSYST.2019.2927223</p>	
<p>Integrated Security, Safety, and Privacy Risk Assessment Framework for Medical Devices</p> <p><i>Narmeen Shafqat Tahreem Yaqoob Haider Abbas</i> <i>IEEE Journal of Biomedical and Health Informatics</i>, Volume: 24 , Issue: 6 , Pages 1752-1761</p> <p>Impact Factor: 5.772 Quartile: 1 Citations: 19 DOI: 10.1109/JBHI.2019.2952906</p>	2020
<p>Cognitive computing for intelligent application and service</p> <p><i>Yin Zhang Haider Abbas Yujie Li</i> <i>Neural Computing & Applications</i>, Volume 32, Pages 4315-4316</p> <p>Impact Factor: 5.606 Quartile: 1 Citations: 3 DOI: https://doi.org/10.1007/s00521-020-04886-8</p>	2020
<p>DST-HRS: A topic driven hybrid recommender system based on deep semantics</p> <p><i>Zafran Khan Naima Altaf Hammad Afzal Haider Abbas</i> <i>Computer Communications</i>, Volume 156, Pages 183-191</p> <p>Impact Factor: 3.167 Quartile: 2 Citations: 23 DOI: doi.org/10.1016/j.comcom.2020.02.068</p>	2020
<p>Auto-MeDiSine: an auto-tunable medical decision support engine using an automated class outlier detection method and AutoMLP</p> <p><i>Maham Jahangir Hammad Afzal Mehreen Ahmed Khawar Khurshid Muhammad Faisal Amjad Raheel Nawaz Haider Abbas</i> <i>Neural Computing and Applications</i>, Volume:32, Issue:7, Page:2621-2633</p> <p>Impact Factor: 5.606 Quartile: 1 Citations: 11 DOI: 10.1007/s00521-019-04137-5</p>	2020
<p>SS7 Vulnerabilities - A Survey and Implementation of Machine Learning vs Rule Based Filtering for Detection of SS7 Network Attacks</p> <p><i>Imran Rashid Hammad Afzal Mian Muhammad Waseem Iqbal Yawar Abbas Bangash Haider Abbas</i> <i>IEEE Communications Surveys & Tutorials</i>, Volume 22, Issue 2, Pages 1337-1371</p> <p>Impact Factor: 25.249 Quartile: 1 Citations: 177 DOI: 10.1109/COMST.2020.2971757</p>	2020
<p>Enriching Non-negative Matrix Factorization with Contextual Embeddings for Recommender Systems</p> <p><i>Zafran Khan Naima Altaf Hammad Afzal Haider Abbas</i> <i>Neurocomputing</i>, Volume: 380, Pages: 246-258</p> <p>Impact Factor: 5.719 Quartile: 1 Citations: 48 DOI: 10.1016/j.neucom.2019.09.080</p>	2020
<p>On the efficiency of software implementations of lightweight block ciphers from the perspective of programming languages</p> <p><i>Khawir Mahmood Abdur Rehman Raza Khan Muhammad Faisal Amjad Haider Abbas Mehreen Afzal</i> <i>Future Generation Computer Systems</i>, Volume:104, Page:43-59</p> <p>Impact Factor: 7.187 Quartile: 1 Citations: 10 DOI: https://doi.org/10.1016/j.future.2019.09.058</p>	2020
<p>A name disambiguation module for intelligent robotic consultant in industrial internet of things</p> <p><i>Haider Abbas Xiao Ma Ranran Wang Yin Zhang Chi Jiang</i> <i>Mechanical Systems and Signal Processing</i>, Volume 136, Article Number 106413</p> <p>Impact Factor: 6.823 Quartile: 1 Citations: 9 DOI: https://doi.org/10.1016/j.ymssp.2019.106413</p>	2020
<p>Approximate computing using frequency upscaling</p> <p><i>Junqi Huang T. Nandha Kumar Haider Abbas Fabrizio Lombardi</i> <i>IET Circuits Devices & Systems</i>, Volume 13, Issue 7, Pages 1018-1026</p> <p>Impact Factor: 1.290 Quartile: 4 Citations: 8 DOI: 10.1049/iet-cds.2018.5422</p>	2019
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2019

Rida Zojaj Naeem Haider Abbas Narmeen Shafqat Kashif Saleem Waseem Iqbal

The 16th International Conference on Mobile Systems and Pervasive Computing (MobiSPC), res.country(38,)	
Citations: N/A	
DOI: 10.1016/j.procs.2019.08.038	
Forensic Analysis of LinkedIn's Desktop Application on Windows 10 OS	2019
<i>Saman Bashir Haider Abbas Narmeen Shafqat Waseem Iqbal Kashif Saleem</i>	
16th International Conference on Information Technology-New Generations (ITNG 2019), res.country(233,)	
Citations: N/A	
DOI: 10.1007/978-3-030-14070-0_9	
Seismic Analysis for Large Span Tunnel Cross Section in Badaling Underground High-Speed Railway Station	2018
<i>Peng Li Erxiang Song Haider Abbas Longqi Yan Jun Yang</i>	
10th Asian Rock Mechanics Symposium, res.country(197,)	
Citations: N/A	
DOI: 978-981-11-9003-2	
Ease or Privacy? A Comprehensive Analysis of Android Embedded Adware	2018
<i>Anum Javaid Imran Rashid Haider Abbas Mariagrazia Fugini</i>	
IEEE 27th International Conference on Enabling Technologies: Infrastructure for Collaborative Enterprises (WETICE) held from 27-29 June 2018 in France res.country(75,)	
Citations: N/A	
DOI: 10.1109/WETICE.2018.00056	
Enhancing E-Healthcare Privacy Preservation Framework through L-Diversity	2018
<i>Adeel Shah Haider Abbas Waseem Iqbal Rabia Latif</i>	
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Citations: N/A	
DOI: 10.1109/IWCMC.2018.8450306	
Simulation-based evaluation of frequency upscaled operation of exact/approximate ripple carry adders	2017
<i>H. Junqi T. Nandha Kumar Haider Abbas Fabrizio Lombardi</i>	
2017 IEEE Int. Symposium on Defect and Fault Tolerance in VLSI and Nanotechnology Systems, DFT 2017, res.country(231,)	
Citations: N/A	
DOI: 10.1109/DFT.2017.8244437	
Feasibility analysis for deploying national healthcare information system (NHIS) for Pakistan	2017
<i>Tahreem Yaqoob Faiza Mir Dr. Haider Abbas Waleed Shahid Dr. Muhammad Faisal Amjad Narmeen Shafqat</i>	
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Citations: N/A	
DOI: 10.1109/HealthCom.2017.8210836	
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DOI: 10.1109/WETICE.2017.69	
Internet of things (IoT) design considerations for developers and manufacturers	2017
<i>Bilal Javed Mian Waseem Iqbal Haider Abbas</i>	
2017 IEEE International Conference on Communications Workshops (ICC Workshops), res.country(75,)	
Citations: N/A	
DOI: 10.1109/ICCW.2017.7962762	
Internet of Things (IoT) Design Considerations for Developers and Manufacturers	2017
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Citations: N/A	
DOI: 10.1109/ICCW.2017.7962762	
Empirical Studies of ECG Multiple Fiducial-Points Based Binary Sequence Generation (MFBSG) Algorithm in E-Health Sensor Platform	2016
<i>Kashif Saleem Haider Abbas Jalal Al-Muhtadi Mehmet A. Orgun Rajan Shankaran Guanglou Zheng</i>	
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Citations: N/A	

DOI: 10.1109/LCN.2016.053	
Survey on cybersecurity issues in wireless mesh networks based eHealthcare	2016
<i>Kashif Saleem Khan Zeb Abdelouhid Derhab Haider Abbas Jalal Al-Muhtadi Mehmet A. Orgun Amjad Gawanmeh Kashif Saleem Khan Zeb Abdelouhid Derhab Haider Abbas Jalal Al-Muhtadi Mehmet A. Orgun Amjad Gawanmeh</i>	
<i>IEEE 18th International Conference on e-Health Networking, Applications and Services (Healthcom), res.country(57,)</i>	
Citations: N/A	
DOI: 10.1109/HealthCom.2016.7749423	
Feasibility Analysis for Incorporating/Deploying SIEM for Forensics Evidence Collection in Cloud Environment	2015
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Data Warehousing Based Computer Forensics Investigation Framework	2015
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Citations: N/A	
DOI: 10.1109/ITNG.2015.31	
Anticipating Advanced Persistent Threat (APT) countermeasures using collaborative security mechanisms	2014
<i>Natasha Arjumand Shoaib Mirza Haider Abbas Farrukh Aslam Khan Jalal Al Muhtadi</i>	
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Citations: N/A	
DOI: 10.1109/ISBAST.2014.7013108	
A Cloud-based Healthcare Framework for Security and Patients' Data Privacy Using Wireless Body Area Networks	2014
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DOI: 10.1016/j.procs.2014.07.058	
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A Survey on Network Layer Attacks and AODV Defense in Mobile Ad Hoc Networks	2014
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Citations: N/A	
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Detection and prevention of black hole attacks in mobile ad hoc Networks	2014
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DOI: 10.1007/978-3-662-46338-3_10	
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<i>Muzzamil Noor Haider Abbas</i>	
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Feasibility analysis for deploying a centralized information exchange infrastructure in Pakistan	2012
<i>Faraz Hameed¹ Haider Abbas Maruf Pasha Louise Yngström</i>	
<i>Proc. SIG Globdev 5th Annual Conference , res.country(233,)</i>	
Citations: N/A	
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Securing Internet Information Services (IIS) configuration files	2012
<i>Saneeha Khalid Haider Abbas MarufPasha Asad Raza</i>	
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Citations: N/A	
DOI: https://ieeexplore.ieee.org/document/6470913	
User Privacy Issues in Eucalyptus: A Private Cloud Computing Environment	2011
<i>Adeela Waqar Asad Raza Haider Abbas</i>	
<i>2011IEEE 10th International Conference on Trust, Security and Privacy in Computing and Communications res.country(48,)</i>	
Citations: N/A	
DOI: 10.1109/TrustCom.2011.128	
A Structured approach for Internalizing Externalities Caused by IT Security Mechanisms	2010
<i>Haider Abbas Christer Magnusson Louise Yngström Ahmed Hemani</i>	
<i>2010 Second International Workshop on Education Technology and Computer Science, res.country(48,)</i>	
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Adaptability infrastructure for bridging IT security evaluation and options theory	2009
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DOI: 10.1145/1626195.1626208	
Option based evaluation: Security evaluation of IT products based on options theory	2009
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Citations: N/A	
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Increasing the Performance of Crab Linux Router Simulation Package Using XEN	2006
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<i>First International Conference on Industrial and Information Systems, res.country(129,)</i>	
Citations: N/A	
DOI: 10.1109/ICIIS.2006.365771	
Fabric fault classification using neural trees	2002
<i>M. Abdulhady Haider Abbas S. Nassar M. Abdulhady Haider Abbas S. Nassar</i>	
<i>IEEE International Conference on Systems, Man and Cybernetics , res.country(221,)</i>	

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