Shahzad Saleem

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About

Dr. Shahzad Saleem is working as Assistant Professor in the School of Electrical Engineering and Computer Science. Dr. Shahzad Saleem has a PhD in Digital Forensics. Dr. Shahzad Saleem has published 28 research articles & conference papers having a citation count of 270, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Digital Forensics	2009 - 2015
Stockholm University , Sweden	
MS in Information Security	2007 - 2009
Royal Institute of Technology , Sweden	
Experience	
Assistant Professor	2020- Present
School of Electrical Engineering and Computer Science	
Assistant Professor	2015 - 2019
School of Electrical Engineering and Computer Science	
Lecturer	2015 - 2015
School of Electrical Engineering and Computer Science	
Assistant Professor	2015- Present
NUST , SEECS, NUST, Sector H-12, Islamabad	
Research Assistant	2013 - 2014
Stockholm University , DSV, Kista Campus, Stockholm University, Sweden	
Teacher	2009 - 2014
Stockholm University , DSV, Kista Campus, Stockholm University, Sweden	
Lecturer	2006 - 2014
CIIT, Abbottabad, CIIT, Tobe Camp, Abbottabad	

Research Articles

Software Engineer

Design and Evaluation of Memory Efficient Data Structure Scheme for Energy Drainage Attacks in Wireless Sensor Networks

David Samuel Bhatti Shahzad Saleem Zulfiqar Ali Tae-Jin Park Beomkyu Suh Kamran Ali William J. Buchanan Ki-Il Kim IEEE Access, Volume 12, Pages 41499-41516

Impact Factor: 3.900 | Quartile: 2 | Citations: 9

DOI: https://doi.org/10.1109/ACCESS.2024.3377144

Advanced Communications, Sector F-11, Islamabad

Detection and isolation of wormhole nodes in wireless ad hoc networks based on post-wormhole actions

2024

2024

2004 - 2005

David Samuel Bhatti Dr. Shahzad Saleem Dr Azhar Imran Hyeon Jeong Kim Ki-Il Kim Kyu-Chul Lee Scientific Reports , Vol:14, Article Number: 3428, Pages: 22

Impact Factor: 4.6 | Quartile: 2 | Citations: 4

DOI: 10.1038/s41598-024-53938-9

Performance analysis: Securing SIP on multi- threaded/multi-core proxy server using public keys on Diffie–Hellman (DH) in single and multi-server queuing scenarios David Samuel Bhatti Salbia Sidrat Dr. Shahzad Saleem Annas Wasim Malik BeomKyu Suh Kyu Chul Lee Ki-II Kim PLoS ONE, Volume 19(1), Article Number e0293626 Impact Factor: 3.7 Quartile: 2 Citations: 4 DOI: 10.1371/journal.pone.0293626	2024
PROUD-MAL: static analysis-based progressive framework for deep unsupervised malware classification of windows portable executable Syed Khurram Jah Rizwi Warda Aslam Muhammad Shahzad Shahzad Saleem Muhammad Moazam Fraz Complex & Intelligent Systems , Pages 1-13	2021
Impact Factor: 4.927 Quartile: 2 Citations: 32 DOI: https://doi.org/10.1007/s40747-021-00560-1	
Enhanced adaptive data hiding method using LSB and pixel value differencing Mehdi Hussain Qaiser Riaz Ki-Hyun Jung Shahzad Saleem Abdul Ghafoor Multimedia Tools and Applications, Pages 1-21 Impact Factor: 2.577 Quartile: 2 Citations: 32 DOI: https://doi.org/10.1007/s11042-021-10652-2	2021
STBC-Aided Cooperative NOMA With Timing Offsets, Imperfect Successive Interference Cancellation, and Imperfect Channel State Information Sajid Saleem Haejoon Jung Muhammad Waseem Akhtar Syed Ali Hassan IEEE Transactions on Vehicular Technology, Volume 69, Issue 10, Pages 11712-11727 Impact Factor: 5.978 Quartile: 1 Citations: 43 DOI: 10.1109/TVT.2020.3017249	2020
Epileptic Seizure Detection with a Reduced Montage: A Way Forward for Ambulatory EEG Devices Raheel Asif Sajid Saleem Syed Ali Hassan Soltan Alharbi Awais Mehmood Kamboh IEEE Access, Volume 8, Pages 65880-65890 Impact Factor: 3.367 Quartile: 2 Citations: 16 DOI: 10.1109/ACCESS.2020.2983917	2020
VPN Traffic Detection in SSL-Protected Channel Shahzad Saleem Muhammad Zain ul Abideen Madiha Ejaz Security and Communication Networks, Volume 2019, Article ID 7924690 Impact Factor: 1.288 Quartile: 4 Citations: 22 DOI: 10.1155/2019/7924690	2019
Access Control for Fog/Cloud Enabled IoTs Rizwan Ahmad Amna Riaz Adnan K. Kiani Shahzad Saleem International Journal of Computer Science and Information Security, Volume 17, No. 9, Pages 48-63 Impact Factor: - DOI: https://www.academia.edu/40932965/Access_Control_for_Fog_Cloud_Enabled_IoTs	2019
A machine learning framework for investigating data breaches based on semantic analysis of adversary's attack patterns in threat intelligence repositories Umara Noor Zahid Anwar Asad Waqar Malik Sharifullah Khan Shahzad Saleem Future Generation Computer Systems, Volume 95,Pages 467-487 Impact Factor: 6.125 Quartile: 1 Citations: 50 DOI: 10.1016/j.future.2019.01.022	2019
An Improved Data-Aided Linear Estimator of Modulation Index for Binary CPM Signals Shahbaz Ali Khan Sajid Saleem Syed Ali Hassan Muhammad Usman Ilyas IEEE Signal Processing Letters, Volume 26, Issue 5, Pages 780-784 Impact Factor: 3.108 Quartile: 2 Citations: 6 DOI: 10.1109/LSP.2019.2907797	2019
Forensics study of IMO call and chat app M. A. K. Sudozai Shahzad Saleem William J. Buchanan Nisar Habib Haleema Zia Digital Investigation, Volume: 25, Pages: 5-23 Impact Factor: 1.660 Quartile: 3 Citations: 15 DOI: https://doi.org/10.1016/j.diin.2018.04.006	2018
Protecting digital evidence integrity and preserving chain of custody	2017

DOI: 10.15394/jdfsl.2017.1478	
Forensic Analysis of Social Media Apps in Windows 10 Asma Majeed Shahzad Saleem	2017
NUST Journal of Engineering Sciences, Volume 10, No. 1, Pages 37-45	
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Forensic Investigation of Smartphone Cloud Storage Applications	2017
Aiza Aqeel Abbasi Shahzad Saleem Roha Zulqarnain	
NUST Journal of Engineering Sciences, Volume 10, No. 1, Pages 30-36	
Impact Factor: N/A	
DOI: 10.24949%2Fnjes.v10i1.320	
A Brief Survey of Memory Analysis Tools	2017
Zia Ur Rehman Aneeq Ahmad Zia Ur Rehman Aneeq Ahmad Shahzad Saleem	
NUST Journal of Engineering Sciences, Volume 10, Number 2	
Impact Factor: 0	
DOI: 10.24949%2Fnjes.v10i2.474	
DOS Attacks on WSN and Their Classifications With Countermeasures - A Survey	2016
Jahanzeb Shahid Muhammad Nauman Qureshi Shahzad Saleem	
NUST Journal of Engineering Sciences, Vol. 9, No.2, Pages 50-59	
Impact Factor: 0	
DOI: https://pdfs.semanticscholar.org/3d27/967a646ddcf4bb08c42fcca1bbd45f1d7cdd.pdf	
A method and a case study for the selection of the best available tool for mobile device forensics using decision analysis	2016
Ibrahim Baggili Shahzad Saleem Oliver Popov	
Digital Investigation, Volume ,16 Pages S55-S64, Supplement S	
Impact Factor: 1.774 Quartile: 3	
DOI: 10.1016/j.diin.2016.01.008	
A Smart Card Based Security Extension for The Bitcoin Wallets	2016
Majid Amjad Hussain Sadia Khalil Shahzad Saleem	
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Impact Factor: N/A	
DOI: http://dx.doi.org/10.24949%2Fnjes.v9i2	
Testing Framework for Mobile Device Forensics Tools	2014
Maxwell Anobah Shahzad Saleem Shahzad Saleem	
Journal of Digital Forensics, Security and Law, Volume 9, Number 2	
Impact Factor: 0	
DOI: 10.15394/jdfsl.2014.1183	

Makhdoom Syed Muhammad Baqir Shah Roha Zulqarnain Shahzad Saleem Journal of Digital Forensics Security and Law, Volume 12, Issue 2, Pages 121-129

Conference Proceedings Optimizing features for malware-benign clustering using Windows portable executables 2021 Warda Aslam M.M. Fraz S.K. Rizvi S. Saleem 2021 International Conference on Artificial Intelligence, ICAI 2021, res.country(177,) Citations: 1 DOI: 10.1109/ICAI52203.2021.9445270 Microsoft Word Forensic Artifacts in Windows 10 Registry 2019 Shahzad Saleem Amir Amin Farrukh Shabbir Mudassar Waheed Zohaib Khan 2019 International Conference on Applied and Engineering Mathematics (ICAEM), res.country(177,) Citations: N/A DOI: 10.1109/ICAEM.2019.8853799 A Method of Moments Estimator for Modulation Index of Continuous Phase Modulation 2019 Ihtisham Khalid Syed Asadullah Sajid Saleem Syed Ali Hassan Ihtisham Khalid Syed Asadullah Sajid Saleem Syed Ali Hassan 2019 International Conference on Computing, Networking and Communications (ICNC), res.country(233,) DOI: 10.1109/ICCNC.2019.8685657 A Supervised Machine Learning Based Approach for Automatically Extracting High-Level Threat 2018 Intelligence from Unstructured Sources Yumna Ghazi Zahid Anwar Rafia Mumtaz Shahzad saleem Ali Tahir 2018 International Conference on Frontiers of Information Technology (FIT), res.country(177,) Citations: N/A DOI: https://doi.org/10.1109/FIT.2018.00030 DroidMorph: Are We Ready to Stop the Attack of Android Malware Clones? 2018 Shahzad Saleem M. Zain ul Abideen Shahid Alam 2018 2nd International Symposium on Multidisciplinary Studies and Innovative Technologies (ISMSIT), res.country(224,) Citations: N/A DOI: 10.1109/ISMSIT.2018.8567059 Securing Insulin Pump System Using Deep Learning and Gesture Recognition 2018 Shahzad Saleem Usman Ahmad Hong Song Awais Bilal Asad Ullah 17th IEEE International Conference on Trust, Security and Privacy in Computing and Communications and 12th IEEE International Conference on Big Data Science and Engineering, res.country(233,)

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Profiling of Secure Chat and Calling Apps from Encrypted Traffic

2018

Shahzad Saleem M.A.K.Sudozai

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