Shahzad Saleem

Assistant Professor

School of Electrical Engineering and Computer Science

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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

Software Engineer   2004 - 2005
  Advanced Communications , Sector F-11, Islamabad

Research Articles

Design and Evaluation of Memory Efficient Data Structure Scheme for Energy Drainage Attacks in Wireless Sensor Networks   2024
  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

Detection and isolation of wormhole nodes in wireless ad hoc networks based on post-wormhole actions   2024
  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-Il Kim

Impact Factor: 3.7 | **Quartile:** 2 | **Citations:** 4

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

Impact Factor: 4.927 | **Quartile:** 2 | **Citations:** 32

2021

Enhanced adaptive data hiding method using LSB and pixel value differencing

Mehdi Hussain Qaiser Riaz Ki-Hyun Jung Shahzad Saleem Abdul Ghafoor

Impact Factor: 2.577 | **Quartile:** 2 | **Citations:** 32

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

Impact Factor: 5.978 | **Quartile:** 1 | **Citations:** 43

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

Impact Factor: 3.367 | **Quartile:** 2 | **Citations:** 16

2020

VPN Traffic Detection in SSL-Protected Channel

Shahzad Saleem Muhammad Zain ul Abideen Madiha Ejaz

Impact Factor: 1.288 | **Quartile:** 4 | **Citations:** 22

2019

Access Control for Fog/Cloud Enabled IoTs

Rizwan Ahmad Amna Riaz Adnan K. Kiani Shahzad Saleem

Impact Factor: -

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

Impact Factor: 6.125 | **Quartile:** 1 | **Citations:** 50

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

Impact Factor: 3.108 | **Quartile:** 2 | **Citations:** 6

2019

Forensics study of IMO call and chat app

M. A. K. Sudozai Shahzad Saleem William J. Buchanan Nisar Habib Haleema Zia

Impact Factor: 1.660 | **Quartile:** 3 | **Citations:** 15

2018

Protecting digital evidence integrity and preserving chain of custody

2017

Makhdoom Syed Muhammad Baqir Shah Roha Zulqarnain Shahzad Saleem

Journal of Digital Forensics Security and Law, Volume 12, Issue 2, Pages 121-129

Impact Factor: 0

Forensic Analysis of Social Media Apps in Windows 10
<div align="right">2017</div>

Asma Majeed Shahzad Saleem

NUST Journal of Engineering Sciences, Volume 10, No. 1, Pages 37-45

Impact Factor: 0

Forensic Investigation of Smartphone Cloud Storage Applications
<div align="right">2017</div>

Aiza Aqeel Abbasi Shahzad Saleem Roha Zulqarnain

NUST Journal of Engineering Sciences, Volume 10, No. 1, Pages 30-36

Impact Factor: N/A

A Brief Survey of Memory Analysis Tools
<div align="right">2017</div>

Zia Ur Rehman Aneeq Ahmad Zia Ur Rehman Aneeq Ahmad Shahzad Saleem

NUST Journal of Engineering Sciences, Volume 10, Number 2

Impact Factor: 0

DOS Attacks on WSN and Their Classifications With Countermeasures - A Survey
<div align="right">2016</div>

Jahanzeb Shahid Muhammad Nauman Qureshi Shahzad Saleem

NUST Journal of Engineering Sciences, Vol. 9, No.2, Pages 50-59

Impact Factor: 0

A method and a case study for the selection of the best available tool for mobile device forensics using decision analysis
<div align="right">2016</div>

Ibrahim Baggili Shahzad Saleem Oliver Popov

Digital Investigation, Volume ,16 Pages S55-S64, Supplement S

Impact Factor: 1.774 | **Quartile:** 3

A Smart Card Based Security Extension for The Bitcoin Wallets
<div align="right">2016</div>

Majid Amjad Hussain Sadia Khalil Shahzad Saleem

NUST Journal of Engineering Sciences,, Vol 9, No 2, pp 60-67

Impact Factor: N/A

Testing Framework for Mobile Device Forensics Tools
<div align="right">2014</div>

Maxwell Anobah Shahzad Saleem Shahzad Saleem

Journal of Digital Forensics, Security and Law, Volume 9, Number 2

Impact Factor: 0

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,)

Citations: N/A
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,)

Citations: N/A
DOI: 10.1109/TrustCom/BigDataSE.2018.00258

Profiling of Secure Chat and Calling Apps from Encrypted Traffic 2018

Shahzad Saleem M.A.K.Sudozai

15th International Bhurban Conference on Applied Sciences and Technology (IBCAST), res.country(177,)

Citations: N/A
DOI: 10.1109/IBCAST.2018.8312271