Muhammad Usama

Assistant Professor

Pakistan Navy Engineering College

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Contact:



2014 - 2018

About

Dr. Muhammad Usama is working as Assistant Professor in the Pakistan Navy Engineering College. Dr. Muhammad Usama has a PhD in Information Security. Dr. Muhammad Usama has published 17 research articles & conference papers having a citation count of 199, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Information Security

Universiti Teknologi Petronas , Malaysia	20 20.0
MS in Software Engineering Bahria University , Pakistan	2006 - 2008
BS in Software Engineering Bahria University , Pakistan	2000 - 2005
Experience	
Assistant Professor Pakistan Navy Engineering College	2023- Present
Assistant Professor FAST-NU, FAST-NU, Karachi Pakistan	2022 - 2023
Assistant Professor DHA-SUFFA University , DHA-SUFFA University, Karachi, Pakistan	2020 - 2022
Research Assistant Qatar University , Qatar University, Doha, Qatar	2019 - 2020
Assistant Professor Bahria University , Bahria University, Karachi, Pakistan	2018 - 2019
Graduate Assistant University Technology Petronas , University Technology Petronas, Malaysia	2014 - 2018
Lecturer King Saud University , King Saud University, Riyadh, Saudi Arabia	2010 - 2013
Assistant Manager SUPARCO, SUPARCO, Karachi, Pakistan	2007 - 2010
Software Developer SigmaFlow , SigmaFlow, Karachi, Pakistan	2006 - 2007
Software Developer East Tech International , East Tech International, Karachi, Pakistan	2006 - 2006

Research Articles

Enhancing Healthcare Cybersecurity through the Development and Evaluation of Intrusion Detection Systems

2025

Muhammad Usama Arshad Aziz Imtiaz Hassan Shynar Akhmetzhanova Sultan Noman Qasem Abdullah M. Albarrak Tawfik Al-Hadhrami Computer Modelling in Engineering & Sciences, Volume:144, Issue:1, Page:1225-1248

Impact Factor: 2.500 | Quartile: 1

DOI: https://doi.org/10.32604/cmes.2025.067098

2010

Impact Factor: N/A DOI: 10.5897/IJPS11.470

Chaos-based secure satellite imagery cryptosystem

Muhammad Usama Muhammad Khurram Khan Khaled Alghathbar Changhoon Lee Computers and Mathematics with Applications, Volume 60, Issue 2, Pages 326-337 Impact Factor: 1.472 | Quartile: 1 | Citations: 148 **DOI:** https://doi.org/10.1016/j.camwa.2009.12.033

Conference Proceedings

Secure NoSQL Over Cloud Using Data Decomposition and Queryable Encryption

2019

Muhammad Ali Raza Muhammad Usama Waheed Iqbal Faisal Bukhari

CIntelligent Technologies and Applications: Second International Conference, INTAP, res.country(177,)

Citations: N/A

DOI: 10.1007/978-981-15-5232-8_35

Modified AES using chaotic key generator for satellite imagery encryption

2009

Fahad Bin Muhaya Muhammad Usama Muhammad Khurram Khan

Lecture Notes in Computer Science (including subseries Lecture Notes in Artificial Intelligence and Lecture Notes in Bioinformatics) res.country(121,)

Citations: N/A

DOI: 10.1007/978-3-642-04070-2_107

Satellite imagery security application (SISA)

2008

Muhammad Usama Muhammad Khurram Khan

2008 IEEE International Multitopic Conference, res.country(177,)

Citations: N/A

DOI: 10.1109/INMIC.2008.4777741

AINAN: Collaborative application for protein visualization & analyses

2008

Rauf Malick Muhammad Usama Athar Abbas Waheed Iqbal Kamran Azim

Proc. 9th ACIS Int. Conf. Software Engineering, Artificial Intelligence, Networking and Parallel/Distributed Computing, SNPD 2008 and 2nd Int. Workshop on Advanced Internet Technology and Applications, res.country(217,)

Citations: N/A

DOI: 10.1109/SNPD.2008.123

Classical and chaotic encryption techniques for the security of satellite images

2008

Muhammad Usama Muhammad Khurram Khan

IEEE- International Symposium on Biometrics and Security Technologies, ISBAST'08, res.country(177,)

Citations: N/A

DOI: 10.1109/ISBAST.2008.4547663