

Malik Muhammad Zaki Murtaza

Assistant Professor

Military College of Signals

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About

Dr. Malik Muhammad Zaki Murtaza is working as Assistant Professor in the Military College of Signals. Dr. Malik Muhammad Zaki Murtaza has a PhD in Parallel Computing. Dr. Malik Muhammad Zaki Murtaza has published 17 research articles & conference papers having a citation count of 226, carried out 2 projects and filed 0 intellectual property.

Qualifications

PhD in Parallel Computing University of Southern California , United States	2006 - 2012
MCS in Computer Science University of Southern California , United States	2004 - 2006
B.Sc (Hon) in Computer Science Arid Agriculture University , Pakistan	1998 - 2002

Experience

Assistant Professor Military College of Signals	2021- Present
Assistant Professor Military College of Signals	2012 - 2021
Senior Consultant EVRY Norge AS , Snaroyveien 30A N-1360 FORNEBU NORWAY	2018 - 2018

Awards

ERCIM ABCDE Fellowship ERCIM ABCDE Fellowship awarded for Postdoctoral research at NTNU Norway,	2013
Merit based Ms led to PhD Scholarship award.	2004

Professional Memberships

IEEE	Since 2017
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Research Projects

National Projects	
An artificial intelligence based workplace assistant Funding Agency: IGNITE Amount: PKR 75,000.00 Status: Completed	2019
SPYDR Funding Agency: IGNITE Amount: PKR 80,000.00 Status: Completed	2020

International Projects

- S-RAP: relevance-aware QoS prediction in web-services and user contexts** 2022
Hafiz Syed Muhammad Muslim Saddam Rubab Malik Muhammad Khan Naima Altaf Ali Kashif Bashir Kashif Javed
Knowledge and Information Systems, Volume 64, Issue 7, Pages 1997-2022
Impact Factor: 2.531 | **Quartile:** 3 | **Citations:** 5
DOI: <https://doi.org/10.1007/s10115-022-01699-0>
- Hybrid Approach for Shelf Monitoring and Planogram Compliance (Hyb-SMPC) in Retails Using Deep Learning and Computer Vision** 2022
Mehwish Saqlain Saddam Rubab Malik Muhammad Zaki Murtaza Nouman Ali Shahzeb Ali
Mathematical Problems in Engineering, Volume 2022, Article ID 4916818, 18 pages
Impact Factor: 0 | **Citations:** 15
DOI: <https://doi.org/10.1155/2022/4916818>
- A framework to predict early news popularity using deep temporal propagation patterns** 2022
Ramsha Saeed Haider Abbas Sara Asif Saddam 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>
- A Study on AI-based Waste Management Strategies for the COVID-19 Pandemic** 2022
Saddad Rubab Malik Muhammad Zaki Murtaza Fahim Uddin Yawar Abbas Bangash Syed Ali Ammar Taqvi
ChemBioEng Reviews, Volume 9, No. 2, Pages 1-15
Impact Factor: 2.927 | **Quartile:** 2 | **Citations:** 26
DOI: <https://doi.org/10.1002/cben.202100044>
- Detection and prediction of traffic accidents using deep learning techniques** 2022
Anique Azhar Saddam Rubab Malik Muhammad Zaki Murtaza Yawar Abbas Bangash Mohammad Dahman Alshehri Fizza Illahi Ali Kashif Bashir
Cluster Computing, Pages 1-17
Impact Factor: 4.4 | **Quartile:** 1 | **Citations:** 47
DOI: <https://doi.org/10.1007/s10586-021-03502-1>
- Textual analysis of traitor-based dataset through semi supervised machine learning** 2021
Asif Masood Haider Abbas Faisal Nawaz Janjua Imran Rashid Malik Muhammad Zaki Murtaza
Future Generation Computer Systems, Volume 125, Pages 652-660
Impact Factor: 7.307 | **Quartile:** 1 | **Citations:** 17
DOI: [10.1016/j.future.2021.06.036](https://doi.org/10.1016/j.future.2021.06.036)
- Robust, Secure, and Adaptive Trust-Oriented Service Selection in IoT-Based Smart Buildings** 2021
Malik Muhammad Zaki Murtaza Khan Ayesha Altaf Haider Abbas Faiza Iqbal Mahmoud Daneshmand
IEEE Internet of Things Journal, Volume 8, Issue 9, Pages 7497-7509
Impact Factor: 10.238 | **Quartile:** 1 | **Citations:** 23
DOI: [10.1109/JIOT.2020.3040775](https://doi.org/10.1109/JIOT.2020.3040775)
- Mitigating service-oriented attacks using context-based trust for smart cities in IoT networks** 2021
Ayesha Altaf Haider Abbas Faiza Iqbal Malik Muhammad Zaki Murtaza Abdul Rauf Tehsin Kanwal
Journal of Systems Architecture, Volume:115, Article Number: 102028
Impact Factor: 5.836 | **Quartile:** 1 | **Citations:** 28
DOI: [10.1016/j.sysarc.2021.102028](https://doi.org/10.1016/j.sysarc.2021.102028)
- Delay Reduction Through Optimal Controller Placement to Boost Scalability in an SDDC** 2019
Yawar Abbas Bangash Haider Abbas Waseem Iqbal Malik Muhammad Zaki Murtaza Khan Bilal Rauf Hammad Afzal
IEEE Systems Journal, -
Impact Factor: 3.987 | **Quartile:** 1
DOI: [10.1109/JSYST.2019.2941904](https://doi.org/10.1109/JSYST.2019.2941904)
- Towards making autotuning mainstream** 2013
Protonu Basu Mary Hall Malik Muhammad Zaki Murtaza Khan Suchit Maindola Saurav Muralidharan Shreyas Ramalingham Axel Rivera Manu Shantharam Anand Venkat
International Journal Of High Performance Computing Applications, NULL
Impact Factor: 1.625 | **Quartile:** 1 | **Citations:** 15
DOI: [10.1177/1094342013493644](https://doi.org/10.1177/1094342013493644)
- A Script-Based Autotuning Compiler System to Generate High-Performance CUDA Code** 2013

Malik Muhammad Zaki Murtaza Protonu Basu Gabe Rudy Mary Hall Chun Chen Jacqueline Chame
ACM Transactions on Architecture and Code Optimization , Volume 9(4), Article Number 31
Impact Factor: 0.597 | **Quartile:** 3 | **Citations:** 43
DOI: 10.1145/2400682.2400690

Conference Proceedings

Container-Based Virtualization for Heterogeneous HPC Clouds: Insights from the EU H2020 CloudLightning Project <i>Malik Khan Tobias Becker Permural Kuppuudaiyar Anne C. Elster</i> <i>IEEE International Conference on Cloud Engineering (IC2E), res.country(233,)</i> Citations: N/A DOI: 10.1109/IC2E.2018.00074	2018
GPU power modeling of HPC applications for the simulation of heterogeneous clouds <i>Antonios T. Makaratzis Malik M. Khan Konstantinos M. Giannoutakis Anne C. Elster Dimitrios Tzovaras</i> <i>12th International Conference, PPAM 2017, res.country(178,)</i> Citations: N/A DOI: 10.1007/978-3-319-78054-2_9	2017
Characterizing Numascale Clusters with GPUs: MPI-Based and GPU Interconnect Benchmarks <i>Malik Muhammad Zaki Murtaza Anne C. Elster</i> <i>2016 International Conference on High Performance Computing & Simulation (HPCS), res.country(12,)</i> Citations: N/A DOI: 10.1109/HPCSim.2016.7568422	2016
A Programming Language Interface to Describe Transformations and Code Generation <i>Gabe Rudy Malik Murtaza Khan Mary Hall Chun Chen Jacqueline Chame</i> <i>23rd international conference on Languages and compilers for parallel computing, res.country(233,)</i> Citations: N/A DOI: 10.5555/1964536.1964546	2010
Loop transformation recipes for code generation and auto-tuning <i>Mary Hall Jacqueline Chame Chun Chen Jaewook Shin Gabe Rudy Malik Murtaza Khan</i> <i>International Workshop on Languages and Compilers for Parallel Computing LCPC 2009, res.country(233,)</i> Citations: N/A DOI: 10.1007/978-3-642-13374-9_4	2009
RBP: robust broadcast propagation in wireless networks <i>Fred Stann John Heidemann Rajesh Shroff Muhammad Zaki Murtaza</i> <i>Proceedings of the 4th international conference on Embedded networked sensor systems, res.country(233,)</i> Citations: N/A DOI: 10.1145/1182807.1182817	2006