

Mohsin Kamal

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About

Dr. Mohsin Kamal is working as Associate Professor in the School of Electrical Engineering and Computer Science. Dr. Mohsin Kamal has a PhD in Light-weight Security and Provenance for the Internet of Things. Dr. Mohsin Kamal has published 23 research articles & conference papers having a citation count of 472, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Light-weight Security and Provenance for the Internet of Things FAST - National University of Computer and Emerging Sciences (NUCES) , Pakistan	2014 - 2020
MS in Telecom (Cooperative Comm.) Blekinge Institute of Technology, Karlskrona, Sweden , Sweden	2009 - 2012
BS in Telecom FAST - National University of Computer and Emerging Sciences (NUCES) , Pakistan	2004 - 2008

Experience

Associate Professor School of Electrical Engineering and Computer Science	2024- Present
Associate Professor of Practice School of Electrical Engineering and Computer Science	2023 - 2024
Associate Professor National University of Computer and Emerging Sciences , 852-B Milaad St, Block B Faisal Town, Lahore, Punjab 54770	2023 - 2023
Assistant Professor National University of Computer and Emerging Sciences , 852-B Milaad St, Block B Faisal Town, Lahore, Punjab 54770	2022 - 2023
Postdoc Researcher KIOS Research and Innovation Center of Excellence, University of Cyprus , Panepistimiou 1, Aglantzia 2109, Cyprus	2021 - 2022
Head, Assistant Professor, Lecturer FAST-National University of Computer and Emerging Sciences, Peshawar , Jamrud Road 160 Industrial Estate Road, Phase 1 Hayatabad, Peshawar, Khyber Pakhtunkhwa	2013 - 2022
Trainee Engineer - RF 3G Technologies (Guarantee) Limited (CACF) , 2, Street 23, Sector F-7/2. Islamabad	2012 - 2013

Research Articles

Enhancing Autonomous Vehicle Security: Federated Learning for Detecting GPS Spoofing Attack Maqsood Muhammad Khan Mohsin Kamal Saad Alahmari Maliha Shabbir Transactions on Emerging Telecommunications Technologies, Volume:36, Issue:4, Article Number e70138 Impact Factor: 2.500 Quartile: 3 DOI: https://doi.org/10.1002/ett.70138	2025
Blockchain-Enabled Secure Distributed Event Logging in the Industrial Internet of Things Mohsin Kamal Muhammad Tariq Mian Ahmad Jan Houbing Song IEEE Internet of Things Journal, Volume: 11, Issue: 15, Page(s): 25464-25470 Impact Factor: 8.2 Quartile: 1 Citations: 1 DOI: 10.1109/JIOT.2023.3343622	2024
Novel Structure of a Solid Rotary Inverter Sensor for Speed Measurement of Vehicles Faheem Javed Zahid Ullah Mohsin Kamal	2024

<i>IEEE Access</i> , Volume 12, Pages 15321-15329 Impact Factor: 3.9 Quartile: 2 Citations: 1 DOI: 10.1109/ACCESS.2024.3357978	
Securing Autonomous Vehicles Against GPS Spoofing Attacks: A Deep Learning Approach <i>Maliha Shabbir Mohsin Kamal Zahid Ullah Maqsood Muhammad Khan</i> <i>IEEE Access</i> , Volume 11, Pages 105513-105526 Impact Factor: 3.9 Quartile: 2 Citations: 11 DOI: 10.1109/ACCESS.2023.3319514	2023
Information Reconciliation using BCH Code for Quantum-Conventional Channel Model <i>Inam Bari Maqsood Muhammad Khan Mohsin Kamal Najeeb Ullah Omar Khan Tariq Hussain</i> <i>Journal of Space Technology</i> , Volume 13(1), Pages 29-34 Impact Factor: N/A DOI: https://www.ist.edu.pk/jst-previous-issues-july-2023	2023
Dynamic Resource Optimization for Energy-Efficient 6G-IoT Ecosystems <i>James Adu Ansere Mohsin Kamal Izaz Ahmad Khan Muhammad Naveed Aman</i> <i>Sensors</i> , Volume 23, Issue 10, Article Number 4711 Impact Factor: 3.9 Quartile: 2 Citations: 18 DOI: 10.3390/s23104711	2023
An Adaptive Network Security System for IoT-Enabled Maritime Transportation <i>Eric Gyamfi James Adu Ansere Mohsin Kamal Muhammad Tariq Anca Jurcut</i> <i>IEEE Transactions on Intelligent Transportation Systems</i>, Volume 24, Issue 2, Pages 2538-2547 Impact Factor: 8.5 Quartile: 1 Citations: 27 DOI: 10.1109/TITS.2022.3159450	2023
Optimized Security Algorithms for Intelligent and Autonomous Vehicular Transportation Systems <i>Mohsin Kamal Muhammad Tariq Gautam Srivastava Lukas Malina</i> <i>IEEE Transactions on Intelligent Transportation Systems</i>, Volume 24, Issue 2, Pages 2038-2044 Impact Factor: 8.5 Quartile: 1 Citations: 18 DOI: 10.1109/TITS.2021.3123188	2023
Improved and Secured Electromyography in the Internet of Health Things <i>Muhammad Usman Mohsin Kamal Muhammad Tariq</i> <i>IEEE Journal of Biomedical and Health Informatics</i>, Volume 26, Issue 5, Pages 2032-2040 Impact Factor: 7.7 Quartile: 1 Citations: 10 DOI: 10.1109/JBHI.2021.3118810	2022
5G and Blockchain Enabled Lightweight Solutions for Containing COVID-19 <i>Mohsin Kamal Abdulah Jeza Aljohani Eisa Alanazi Fahad R. Albogamy</i> <i>Security and Communication Networks</i>, Volume 2022, Article ID 3370408, 12 pages Impact Factor: N/A Citations: 5 DOI: 10.1155/2022/3370408	2022
Optimized economic load dispatch with multiple fuels and valve-point effects using hybrid genetic–artificial fish swarm algorithm <i>Abdulrashid Muhammad Kabir Fiaz Ahmad Zahid Ullah Mohsin Kamal Faizan Mehmood Fahad R. Albogamy Ghulam Hafeez</i> <i>Sustainability</i> , Volume 13, Issue 19, Article Number 10609 Impact Factor: 3.889 Quartile: 2 Citations: 11 DOI: 10.3390/su131910609	2021
A digital rights management system based on a scalable blockchain <i>Abba Garba Ashutosh Dhar Dwivedi Mohsin Kamal Gautam Srivastava Muhammad Tariq M. Anwar Hasan Zhong Chen</i> <i>Peer-to-Peer Network Applications</i> , Volume 14, Issue 5, Pages 2665-2680 Impact Factor: 3.488 Quartile: 2 Citations: 60 DOI: 10.1007/s12083-020-01023-z	2021
Blockchain-Based Lightweight and Secured V2V Communication in the Internet of Vehicles <i>Mohsin Kamal Gautam Srivastava Muhammad Tariq</i> <i>IEEE Transactions on Intelligent Transportation Systems</i>, Volume 22, Issue 7, Pages 3997-4004 Impact Factor: 9.551 Quartile: 1 Citations: 111 DOI: 10.1109/TITS.2020.3002462	2021

Constraint Waveform Design for Spectrum Sharing under Coexistence of Radar and Communication Systems

Suleman Mir Inam Bari Mohsin Kamal Haider Ali

IEEE Access , Volume 9, Pages 46093-46105

Impact Factor: 3.900 | Quartile: 2 | Citations: 8

DOI: 10.1109/ACCESS.2021.3068070

Optimal resource allocation in energy-efficient internet-of-things networks with imperfect CSI

James Adu Ansere Guangjie Han Li Liu Yan Peng Mohsin Kamal

IEEE Internet of Things Journal, Volume 7, Issue 6, Pages 5401-5411

Impact Factor: 9.471 | Quartile: 1 | Citations: 78

DOI: 10.1109/JIOT.2020.2979169

Light-weight security and blockchain based provenance for advanced metering infrastructure

Mohsin Kamal Muhammad Tariq

IEEE Access , Volume 7, Pages 87345-87356

Impact Factor: 3.745 | Quartile: 1 | Citations: 46

DOI: 10.1109/ACCESS.2019.2925787

Light-Weight Security and Data Provenance for Multi-Hop Internet of Things

Mohsin Kamal Muhammad Tariq

IEEE Access , Volume 6, Pages 34439-34448

Impact Factor: 4.098 | Quartile: 1 | Citations: 60

DOI: 10.1109/ACCESS.2018.2850821

Conference Proceedings

ML Based Light-Weight Security Protocol For IoFT Device

Awais Khan Ayesha Aziz Muhamad Tariq Mohsin Kamal

2024 International Conference on Robotics and Automation in Industry (ICRAI), res.country(177,)

Citations: N/A

DOI: 10.1109/ICRAI62391.2024.10894419

Quantum-inspired Multi-Agent Computation Offloading in Edge Intelligence-aided IoT Networks

James Adu Ansere Eric Gyamfi Mohsin Kamal Maqsood Muhammad Khan Kusi Ankrah Bonsu

19th International Conference on Emerging Technologies (ICET), res.country(177,)

Citations: N/A

DOI: 10.1109/ICET63392.2024.10935032

Adaptive Federated Blockchain-powered Security for MEC-assisted Industrial IoT Ecosystems

Eric Gyamfi James Adu Ansere Mohsin Kamal Suleman Mir Kusi Ankrah Bonsu

2024 19th International Conference on Emerging Technologies (ICET), res.country(177,)

Citations: N/A

DOI: 10.1109/ICET63392.2024.10935268

Precision in Motion: Comparative Analysis of YOLOvX Versions for Real-Time Multi-Object Tracking

Javeria Tariq Mehreen Fatima Mohsin Kamal

2024 International Conference on Engineering and Computing, ICECT 2024, res.country(177,)

Citations: N/A

DOI: 10.1109/ICECT61618.2024.10581169

Vision-Based Navigation for a Small-Sized Drone: A Simple AI Strategy at IMAV'22

Adil Farooq Syeda Zillay Nain Zukhruf Sadman Shafi Mohsin Kamal Narumol Chumuang

2024 IEEE International Conference on Cybernetics and Innovations (ICCI), res.country(217,)

Citations: N/A

DOI: 10.1109/ICCI60780.2024.10532299

Book Chapters

Network Security System in Mobile Edge Computing-to-IoMT Networks Using Distributed Approach

Eric Gyamfi James Adu Ansere Mohsin Kamal

In: Security and Risk Analysis for Intelligent Edge Computing, Chapter: 09, Page:171-191

Citations: 7

DOI: 10.1007/978-3-031-28150-1_9

Editorial Activities

IEEE Internet of Things Journal Reviewed Papers for Journals Impact Factor: 8.9	2025
IEEE Internet of Things Journal Reviewed Papers for Journals Impact Factor: 8.9	2025
IEEE Internet of Things Journal Reviewed Papers for Journals Impact Factor: 8.9	2025
Transactions on Mobile Computing Reviewed Papers for Journals Impact Factor: 7.9	2025
Transactions on Mobile Computing Reviewed Papers for Journals Impact Factor: 7.9	2025
Transactions on Mobile Computing Reviewed Papers for Journals Impact Factor: 7.9	2025
 Reviewed Papers for Journals Impact Factor: 10.6	2025
Transactions on Mobile Computing Reviewed Papers for Journals Impact Factor: 7.7	2025
Transactions on Mobile Computing Reviewed Papers for Journals Impact Factor: 7.7	2025
Transactions on Mobile Computing Reviewed Papers for Journals Impact Factor: 7.7	2025
IEEE Access Reviewed Papers for Journals Impact Factor: 3.4	2024
 Reviewed Papers for Journals	2024
IEEE Internet of Things Journal Reviewed Papers for Journals Impact Factor: 10.6	2024
IEEE Internet of Things Journal Reviewed Papers for Journals Impact Factor: 10.6	2024
IEEE Internet of Things Journal Reviewed Papers for Journals Impact Factor: 10.6	2024