

Mohsin Kamal


Associate Professor

School of Electrical Engineering and Computer Science

Email: dr.mohsinkamal@seecs.edu.pk

Contact:

LinkedIn: <https://www.linkedin.com/in/mohsin-kamal-phd-b522014a/>



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	2014 - 2020
FAST - National University of Computer and Emerging Sciences (NUCES) , Pakistan	
MS in Telecom (Cooperative Comm.)	2009 - 2012
Blekinge Institute of Technology, Karlskrona, Sweden , Sweden	
BS in Telecom	2004 - 2008
FAST - National University of Computer and Emerging Sciences (NUCES) , Pakistan	

Experience

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

Research Articles

Enhancing Autonomous Vehicle Security: Federated Learning for Detecting GPS Spoofing Attack	2025
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: <a href="https://doi.org/10.1002/ett.70138">https://doi.org/10.1002/ett.70138</a>	
Blockchain-Enabled Secure Distributed Event Logging in the Industrial Internet of Things	2024
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	
Novel Structure of a Solid Rotary Inverter Sensor for Speed Measurement of Vehicles	2024
Faheem Javed Zahid Ullah Mohsin Kamal	

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

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