



Dr. Mohammed Al-Naeem

Job Title:	Assistant Professor in Wireless Networks & Information Security Computer Networks and Communications Dept., Chairman Master of Cybersecurity Program, Admin Executive
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Department:	Computer Networks & Communications
Office Number:	1121
Qualification:	Master in Networks & Communications (Spec. in Security) PhD in Networks & Communications (Spec. in Wireless Networks)
Professional Association:	A member of Golden Key International Honour Society, A member of The Institute of Electrical and Electronics Engineers (IEEE).
Research Area:	Wireless Networks, Network Security, Machine Learning, Artificial Intelligence, Pattern Recognition
Research Projects:	<ol style="list-style-type: none">2010 (PhD Research - 4 Years): Pattern Transformation-Invariant Schemes for Wireless Sensor Networks Based on an Edge Detection Gradient-based Mechanism.2008 (Master Research – 1 Year): Intelligent Target Recognition in Wireless Sensor Networks Using a Pattern Recognition Approach.
Projects Under Supervision:	<ol style="list-style-type: none">Relay Attacks on New Cars Keyless Entry Systems (2018).Implementing Malware Information Sharing Platform and Threat Sharing (2019).Smart Shoes (2020).Smart Sanitizer and Temperature Tracker (Currently).
Courses Taught at KFU:	CN320 Computer System Security CN421 Selected Topics in CN
Training Courses Offered:	<ol style="list-style-type: none">A Workshop on Fundamentals of Cybersecurity for Non-Professionals (presented to KFU students).A Workshop on Fundamentals of Cybersecurity and its Requirements (presented to Cybersecurity Club).A Workshop on Fundamentals of Cybersecurity (presented to the Deanship of IT Staff).

Committees:

1. **The work team of Project No. (1-3): developing university education programs, Leader.**
2. **Professional Student Programs Committee at the Deanship of Development and Quality Assurance, Member.**
3. **The Quality and Academic Accreditation Committee at Computer Networks and Communications Dept., Chairman.**
4. **The working group of the Water Security Symposium, the Basis of Food Security, Member.**
5. **Representative of CCSIT College for Community Partnership at the Department of Community Partnership Development.**
6. **Faculty Development Committee, Chairman.**
7. **COOP Training Committee, Chairman.**
8. **Scholarship and Training Committee, Member.**

Publication:**Journal Articles**

1. **M. A. A. Naeem**, A. Abubakar and M. M. H. Rahman, "Dealing With Well-Formed and Malformed Packets, Associated With Point of Failure That Cause Network Security Breach," in *IEEE Access*, vol. 8, pp. 197554-197566, 2020, doi: 10.1109/ACCESS.2020.3034383.
2. G. Liu, I. Khalil, A. Khreishah, A. Algozaibi, A. Aldalbahi, **M. Alnaeem**, A Alhumam, "ManiGen: A Manifold Aided Black-Box Generator of Adversarial Examples," in *IEEE Access*, vol. 8, pp. 197086-197096, 2020, doi: 10.1109/ACCESS.2020.3029270.
3. **M. Al-Naeem**, M. A. Rahman, A. A. Ibrahim, M. M. H. Rahman, "AI-Based Techniques for DDoS Attack Detection in WSN: A Systematic Literature Review," in *Journal of Computer Science*, Volume 16 No. 6, 2020, 848-855, doi: 10.3844/jcssp.2020.848.855.
4. Rahman, M.M.H.; **Al-Naeem, M.**; Ali, M.N.M.; Sufian, A. TFBN: A Cost Effective High Performance Hierarchical Interconnection Network. *Appl. Sci.* 2020, 10, 8252, doi: 10.3390/app10228252.

International Conferences

1. **M. Al-Naeem** and A. I. Khan, "A Novel Target Recognition Scheme for WSNs", WCCI 2012 IEEE World Congress on Computational Intelligence, June, 10-15, 2012 - Brisbane, Australia.

2. **M. Al-Naeem** and A. I. Khan, “MOHA: A Novel Target Recognition Scheme for WSNs”, The 7th International ICST Conference on Mobile and Ubiquitous Systems: Computing, Networking and Services (MobiQuitous 2010), Sydney, Australia 2010.

Poster Presentations

1. **M. Al-Naeem** and A. I. Khan, “MOHA: A Macroscopic Object Heuristics Algorithm for WSNs”, in the Monash FIT HDR Conference 2012, Monash University, Australia, October 25, 2012.