

+218-919219683

E-mail: Wisam.alfsaey@limu.edu.ly

<https://orcid.org/0000-0002-4961-6127>

Google scholar Wisam Muragaa



Assist. Prof. Dr. Wisam H. A Muragga

Summary

As a Cybersecurity specialist, focused on SDN security development, I architect and develop advanced intrusion detection and prevention solutions with Python. In addition to my development work, I am passionate about education and serve as an Assistant Professor of Cybersecurity at the Libyan International University (LIMU), Benghazi, Libya. In this capacity, I lead and oversee both the undergraduate and postgraduate cybersecurity programs in the faculty.

Skill Highlights

- Strong decision maker
- Complex problem solver
- Work under pressure and meet deadlines
- Manage and deliver against multiple priorities on time
- Innovative
- Service-focused

Experience

- **TEACHING - Dec. 2019 – July. 2024**

LIMU, Benghazi

- Network Protocols
- Int. to Linux
- Network Programming
- SDN Programming
- ML & DL essentials for (Malware/DDoS) attack detection

- **COMMITTEES - 2021 – Present**

LIMU, Benghazi

- Curriculum Development Committee (Permanent Member).
- University's Research and Consultations Center (Scientific Committee / Member).
- Committee of accepting teaching staff members in the faculty (Permanent Member).
- Faculty Scientific Day (Scientific Committee / Member).
- Programs certificated committee (Permanent Member).
- Faculty certificated committee (Head of the committee).

- **ACHIEVEMENTS**

LIMU, Benghazi

- Certification of authorization for **(Computer Networks Program)** from the **(National Center for Quality Assurance and Accreditation of Educational and Training Institutions – Tripoli)**

(Position: Head of the Program – Period: 2022 to 2026).

- A successful agreement of a joint program for a **Master's in Cybersecurity** with an Italian university (**Università Telematica Internazionale UNINETTUNO (UNINETTUNO), Rome, Italy**)

(Position: Head of the LIMU scientific committee – period: 2025 to 2030).

Education

Doctor of Philosophy: Science and Technology. Ph.D. (Cybersecurity) - 2019

University Since Islam Malaysia (USIM)/ Malaysia. Faculty of Engineering and Built Environment, MLY

Master of Science: Information Technology. M.Sc. (IT) - 2006

University Utara Malaysia (UUM)/ Malaysia. Faculty of Information Technology (FIT), MLY

Publications

- M. F. ELHejazi and W. H. A. Muragaa, "Improving the Security and Reliability of SDN Controller REST APIs Using JSON Web Token (JWT) with OpenID and auth2.0," *2024 IEEE 4th International Maghreb Meeting of the Conference on Sciences and Techniques of Automatic Control and Computer Engineering (MI-STA)*, Tripoli, Libya, 2024, pp. 398-402, doi: 10.1109/MI-STA61267.2024.10599643.
- W. H. A. Muragaa, "A hybrid scheme for detecting and preventing single packet Low-rate DDoS and flooding DDoS attacks in SDN," *2023 IEEE 3rd International Maghreb Meeting of the Conference on Sciences and Techniques of Automatic Control and Computer Engineering (MI-STA)*, Benghazi, Libya, 2023, pp. 707-712, doi: 10.1109/MI-STA57575.2023.10169712.
- W. H. A. Muragaa, "The single packet Low-rate DDoS attack detection and prevention in SDN," *2022 IEEE 2nd International Maghreb Meeting of the Conference on Sciences and Techniques of Automatic Control and Computer Engineering (MI-STA)*, Sabratha, Libya, 2022, pp. 323-328, doi: 10.1109/MI-STA54861.2022.9837517.
- W. H. Muragaa, "A POX Controller Module to Prepare a List of Flow Header Information Extracted from SDN Traffic," *J. Open Innov. Technol. Mark. Complex.*, vol. 3, no. 4, p. 24, Nov. 2017, doi: 10.5281/zenodo.1314781.
- W. H. Muragaa, "A POX Controller Module to Prepare a List of Flow Header Information Extracted From SDN Traffic," *Journal of Software Defined Networking (Early Access)*, Jan. 2017, doi: 10.5281/zenodo.1339684.