

KAMAL IBRAHIM AHMED ALIEYAN

Mobile 1: +962782573369

Mobile 2: +962788216683

E-mail: kamal_alian@yahoo.com



PERSONAL INFORMATION

Title: Dr
Academic Rank: Assistant Professor
Nationality: Jordanian
Date & Place of Birth: Feb, 1982, Saudi Arabia
Marital status: Married

EDUCATION

Ph.D in Cyper Security	Universiti Sains Malaysia / Malaysia <i>Ranked 165 in the world in 2020 based on the QS World University Rankings.</i>	2018
Master (M.Sc) Degree in Computer Information Systems.	University of Arab Academy for Banking and Financial Science / Jordan	2005
Bachelor (BSc) Degree in Computer Sciences.	Mu'tta University / Jordan	2003

ACADEMIC EXPERIENCE

Position	Place	Duration
Postdoctoral Researcher	<i>University of Science Malaysia (USM), Malaysia.</i>	2018 – 2019
Graduate Research Assistant	<i>University of Science Malaysia (USM), Malaysia.</i>	2016 - 2018
Lecturer	<i>University of Dammam / Saudi Arabia.</i>	2012 – 2014
Lecturer and Trainer	<i>Management Expert Academy / Saudi Arabia.</i>	2009 - 2012
Lecturer	<i>Technical and Vocational Training Corporation (TVTC) / Saudi Arabia/ (Part Time).</i>	2007 - 2008
Computer Science Trainer	<i>Al-Alamiah Institute for Computer and Technology /Saudi Arabia.</i>	2005- 2009
Computer Science Teacher	<i>Ministry of Education / Jordan.</i>	2003 - 2004

RELATED EXPERIENCE

Position	Place	Year
Coordinator	Preparatory Year, Faculty of Computers and Information Technology, University of Dammam / Saudi Arabia.	2012 - 2014
Supervisor	Students Training Unit, Faculty of Computers and Information Technology, University of Dammam / Saudi Arabia.	2012 - 2013
Supervisor	Students Activity Unit, Faculty of Computers and Information Technology, University of Dammam / Saudi Arabia.	2012 - 2013

COMMITTEES MEMBERSHIP

Member in Community Service	Al-Alamiah Institute for Computer and Technology/ Saudi Arabia.	2006 -2008
Member in Measurement and Evaluation Unit.	Al-Alamiah Institute for Computer and Technology/ Saudi Arabia.	2008 - 2009
Member in Academy Affairs Unit	Faculty of Computers and Information Technology, University of Dammam / Saudi Arabia.	2012 - 2014
Member in Quality and Accreditation Unit	Faculty of Computers and Information Technology, University of Dammam / Saudi Arabia.	2012 - 2014
Member in Curriculum and Plans Unit	Faculty of Computers and Information Technology, University of Dammam / Saudi Arabia.	2012 - 2013
Member of Program Committee	First International Conference on Advances in Cybersecurity (ACeS 2019) / Malaysia / Penang.	2019

CERTIFICATES AND TRAINING COURSES

Certificate	Organization
The International Computer driving Licence (ICDL).	Al-Quds colleges / Jordan
A course in Oracle 9i (Introduction , PL/SQL, Forms, Reports)	IT university Company/ Jordan
A course in programming (VB.NET, ADO.NET, ASP.NET)	ExecuTrain Company / Jordan

RESEARCH INTERESTS

Internet of Things (IoT), Botnet, Domain Name System (DNS), Network Security, Routing Algorithms, Wireless Sensor Networkt (WSN).

PUBLICATIONS

JOURNAL PAPERS

1. **Kamal Alieyan**, Ammar Almomani, Mohammed Anbar, Mohammad Alauthman, Rosni Abdullah & B. B. Gupta (2019). "*DNS rule-based schema to botnet detection*". Enterprise Information Systems, (Indexed ISI= 2.12 Impact Factor).
2. **Kamal Alieyan**, Ammar ALmomani, Ahmad Manasrah, and Mohammed M. Kadhum. "*A survey of botnet detection based on DNS.*" Neural Computing and Applications 28, no. 7 (2017): 1541-1558. (Indexed ISI= 4.1 Impact Factor).
3. **Kamal Alieyan**, Hadeel Saleh Haj, Aliwi, Rosni. Abdullah, and Aymen Ghben. "*The Advantages of IAX Protocol Over Other Signalling Protocols*". Journal of Communications ISSN: 1796-2021. (Indexed Scopus).
4. **Kamal Alieyan**, Hadeel Saleh Haj, Aliwi, Rosni. Abdullah, Shadi Al-Sarawi, and Mahmood Alzubaidi. "*The Performance Metrics of SIP-RSW, IAX-RSW, SIP-Jingle, and IAX-Jingle: A Comparison*". International Journal of Electrical and Computer Engineering. ISSN: 2088-8708. (Indexed Scopus).
5. **Kamal Alieyan**, Ammar Almomani, Rosni Abdullah, Badr Almutairi, Mohammad Alauthman . "*Botnet and Internet of Things (IoT): A Definition, Taxonomy, Challenges, and Future Directions*". In Book: "*In Security, Privacy, and Forensics Issues in Big Data*". IGI Global (2019). DOI: 10.4018/978-1-5225-9742-1.
6. Alauthman, M., Almomani, A., Alweshah, M., Omoushd, W., & **Alieyan, Kamal**. (2019). "*Machine Learning for Phishing Detection and Mitigation: Principles, Algorithms, and Practices*". In Book: "*Machine Learning for Computer and Cyber Security: Principle, Algorithms, and Practices*" Page 26. CRC Press. Taylor & Francis Group.
7. Aljami, Naser KA, Hadeel Saleh Haj Aliwi, and **Kamal Alieyan**. "*Performance Evaluation of VoIP Protocols within Certain Number of Calls: Jitter*". Journal of Applied Sciences 17, no. 5 (2017): 259-263. (Indexed Scopus).
8. Aliwi, Hadeel Saleh Haj, Nasser KA Alajmi, Putra Sumari, and **Kamal Alieyan**. "*Signaling message time for homogeneous and heterogeneous protocols: a comparative study*". International Journal of Advanced and Applied Sciences 3, no. 8 (2016): 14-17. (Indexed Scopus).
9. Aliwi, HS Haj, N. K. A. Alajmi, P. Sumari, and **Kamal Alieyan**. "A Comparison Between Inter-Asterisk eXchange Protocol and Jingle Protocol: Session Time." Engineering, Technology & Applied Science Research 6, no. 4 (2016): 1050-1055. (Indexed Scopus).

CONFERENCES PAPERS

1. **Kamal. Alieyan**, Mohammed. Anbar, Ammar. Almomani, Rosni. Abdullah and Mohammad. Alauthman, "*Botnets Detecting Attack Based on DNS Features*". International Arab Conference on Information Technology (ACIT), 2018, pp.1-4. Werdanye, Lebanon.

2. **Kamal. Alieyan**, Ammar. Almomani, Rosni. Abdullah, and Mohammed. Anbar. "*Rule-Based Approach Detecting Botnet Based on DNS*". 2018 IEEE International Conference on Control System, Computing and Engineering (ICCSCE 2018). November 2018, pp. 20-26. Penang, Malaysia. **(Selected as Best Paper)**.
 3. **Kamal. Alieyan**, Mohammed M. Kadhum, Mohammed Anbar, Shafiq Ul Rehman, and Naser KA Alajmi. "*An overview of DDoS attacks based on DNS*". Information and Communication Technology Convergence (ICTC), 2016 International Conference on, pp. 276-280. IEEE, 2016. Jeju, South Korea.
 4. Al-Sarawi Shadi, Mohammed Anbar, **Kamal Alieyan**, and Mahmood Alzubaidi. "*Internet of Things (IoT) Communication Protocols*." In Information Technology (ICIT), 2017 8th International Conference on, pp. 685-690. IEEE, 2017. Amman, Jordan.
 5. Alzubaidi, Mahmood, Mohammed Anbar, Samer Al-Saleem, Shadi Al-Sarawi, and **Kamal Alieyan**. "*Review on mechanisms for detecting sinkhole attacks on RPLs*." In Information Technology (ICIT), 2017 8th International Conference on, pp. 369-374. IEEE, 2017. Amman, Jordan.
 6. Hasbullah, Iznan H., Mohammad M. Kadhum, Yung-Wey Chong, **Kamal Alieyan**, and Azlan Osman. "*Timestamp Utilization in Trust-ND Mechanism for Securing Neighbor Discovery Protocol*." In Privacy, Security and Trust (PST), 2016 14th Annual Conference on, pp. 275-281. IEEE, 2016. Auckland, New Zealand.
 7. Aliwi, Hadeel Saleh Haj, Putra Sumari, Nasser KA Alajmi, and **Kamal Alieyan**. "*The Effect of Packet Loss in the Homogeneous and Heterogeneous Protocols Media Exchange Environment: A Comparison*." In Information and Communication Technology Convergence (ICTC), 2016 International Conference on, pp. 649-654. IEEE, 2016. Jeju, South Korea.
 8. Alajmi, Naser KA, Hadeel Saleh Haj Aliwi, **Kamal Alieyan**, and Muhammad-Imran Sarwar.(2017). "*A Mathematical Model of the Behavior of SIP Signalling and Media Messages*." In International Conference on Applied Physics, System Science and Computers (APSAC2017), pp. 215-220. Springer, Cham, 2017. Dubrovnik, Croatia.
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RESEARCH GRANTS EXPERIENCE

- Reasarcher Member in “UMobile/USM Resarch Grant Project / 2017-2020”. This project to evaluate USM Shuttle Bus 4G/LTE video Streaming Quality of Experience (QoE) under UMOBILE 3 base stations coverage within USM Main Campus. The Fund size > 0.5 Million Ringt. National Advanced IPv6 Centre (NAv6), University of Science Malaysia (USM), Malaysia.
- Graduate Research Assistant in “Enhancing Security on IPV6 Neighbor Discovery Using Trust –ND”. National Advanced IPv6 Centre (NAv6), University of Science Malaysia (USM), Malaysia.

- Graduate Research Assistant in “Passive-Based tool for Monitoring Malicious NDP Activities”. National Advanced IPv6 Centre (NAv6), University of Science Malaysia (USM), Malaysia.
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AWARDS RECEIVED

Awarded The Best Outstanding and Creative Teacher / University of Dammam / Saudi Arabia, 2013.

TAUGHT COURSES

- Internet Communications Protocols
 - Internet Security
 - Networks and Internet Engineering Principles
 - SQL Database
 - Advanced Network Programing
 - Visual Basic Programming
 - System Analysis & Design
 - Software Engineering
 - E-Commerce
 - Artificial Intelligence
 - Computer Skills
 - Advanced Web Technologies
 - C+
 - Internet Governance
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LANGUAGES

Arabic Language	Native language
English Language	V. Good in Speaking, Writing, and Listening
Malay Language	Beginner Level