Amal Aodah Alahmadi

Assistant Professor
Networks and Communications Department
College of Computer Science and Information Technology

Personal Data

Nationality | Saudi

Department | Networks and Communications

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Language Proficiency

Language	Read	Write	Speak
Arabic	Native	Native	Native
English	Fluent	Fluent	Fluent

Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2020	PhD in Communications and Networks Engineering	University of Leeds	Leeds, United Kingdom
2008	MSc in Computer Science	King Abdulaziz University	Jeddah, Saudi Arabia
2001	BSc in Computer Science	King Abdulaziz University	Jeddah, Saudi Arabia

PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	Energy Efficient Processing in Opportunistic Vehicular Edge Clouds
Master	Performance Evaluation of Wireless LAN Protocols for Real-Time Applications

Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work			Date
Department Chair	Department Computer Engineering	College of Computer Science and Information Technology	Imam Abdulrahman Bin Faisal (IAU)	Mar 2021 - Present
Assistant Professor	Department of Networks and Communications	College of Computer Science and Information Technology	Imam Abdulrahman Bin Faisal (IAU)	Jan 2022 - Present
Assistant Professor	Department of Computer Information Systems	College of Computer Science and Information Technology	Imam Abdulrahman Bin Faisal (IAU)	May 2021 – Jan 2022
Lecturer	Department of Computer Information Systems	College of Computer Science and Information Technology	Imam Abdulrahman Bin Faisal (IAU)	Sep 2011- May 2021
Lecturer	Department of Information Technology	Faculty of Computing and Information Technology	King Abdulaziz University (KAU)	May 2010 – Sep 2011
Teacher Assistant	Department of Information Technology	Faculty of Computing and Information Technology	King Abdulaziz University (KAU)	May 2009 – May 2010
Technical Supporter	Technical Support Unit	Information Technology Deanship	King Abdulaziz University (KAU)	Jan 2002 – Mar 2007

Scientific Achievements: Published Refereed Scientific Researches

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1	Aljabri, Malak, **Amal A. Alahmadi**, Rami Mustafa A. Mohammad, Fahd Alhaidari, Menna Aboulnour, Dorieh M. Alomari, and Samiha Mirza.	Machine Learning-Based Detection for Unauthorized Access to IoT Devices	Journal of Sensor and Actuator Networks, 2023.
2	Aljabri, Malak, Hanan S. Altamimi, Shahd A. Albelali, AL-Harbi Maimunah, Haya T. Alhuraib, Najd K. Alotaibi, **Amal A. Alahmadi**, Fahd Alhaidari, Rami Mustafa A. Mohammad, and Khaled Salah.	Detecting malicious URLs using machine learning techniques: review and research directions.	IEEE Access, 2022
3	Aljabri, Malak, **Amal A. Alahmadi**, Rami Mustafa A. Mohammad, Menna Aboulnour, Dorieh M. Alomari, and Sultan H. Almotiri.	Classification of Firewall Log Data Using Multiclass Machine Learning Models	Electronics, 2022

4	Yousuf, B., **Alahmadi, A**., El-Gorasho,T., Elmirghani, J.	Cloud Fog Architecture in 6G Networks (Book Chapter)	Springer, 2021
5	Alsulami, O. Z., **Alahmadi, A. A**., Saeed, S. O., Mohamed, S. H., El-Gorashi, T. E. H., Alresheedi, M. T., & Elmirghani, J. M	Optimum resource allocation in optical wireless systems with energy-efficient fog and cloud architectures	Philosophical Transactions of the Royal Society A, 2020, 378.2169.

Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
1	**A. A. Alahmadi**, T. E. H. El-Gorashi and J. M. H. Elmirghani	Energy Efficient and Delay Aware Vehicular Edge Cloud	The 22nd International Conference on Transparent Optical Networks (ICTON), 2020.
2	R. Ma, **A. A. Alahmadi**, T. E. H. El-Gorashi and J. M. H. Elmirghani	Energy Efficient Software Matching in Distributed Vehicular Fog Based Architecture with Cloud and Fixed Fog Nodes	The 22nd International Conference on Transparent Optical Networks (ICTON), pp 1-4, 2020.
3	Alsnlami, O. Z., **Alahmadi, A. A**., Saeed, S. O., Mohamed, S. H., El-Gorashi, T. E., Alresheedi, M. T., & Elmirghani, J. M.	Optimum Resource Allocation in 6G Optical Wireless Communication Systems	The 2nd 6G Wireless Summit (6G SUMMIT), pp. 1-6, 2020
4	**A. A. Alahmadi**, M. O. I. Musa, T. E. H. El-Gorashi and J. M. H. Elmirghani	Energy Efficient Resource Allocation in Vehicular Cloud Based Architecture.	The 21st International Conference on Transparent Optical Networks (ICTON), pp. 1-6, 2019
5	R. Ma, **A. A. Alahmadi**, T. E. H. El-Gorashi and J. M. H. Elmirghani	Energy Efficient Software Matching in Vehicular Fog.	The 21st International Conference on Transparent Optical Networks (ICTON), pp. 1-4, 2019
6	**A. A. Alahmadi**, A. Q. Lawey, T. E. H. El-Gorashi and J. M. H. Elmirghani	Distributed processing in vehicular cloud networks.	8th International Conference on the Network of the Future (NOF), pp. 22-26, 2017.
7	**Alahmadi, A.A.** and Madkour, M.A.	Performance evaluation of the IEEE 802.11 e EDCA access method.	International Conference on Innovations in Information Technology, pp. 490-494, 2008.

Teaching Activities

Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	IT Infrastructure Management	IAU-CIS326	Lectures (2021)

2	Communication and Networks Fundamentals	IAU-CIS315	Lectures and labs (2012-2015) + Lectures (2022)
3	Network Protocols and Ecommerce	IAU-CIS325	Lectures and labs (2012-2015)
4	Professional Responsibilities	IAU-CIS314	Lectures (2013)
5	Computer Networks	KAU-CPIT370	Lectures (2010-2011)
6	Computer Architecture	KAU-CPIT210	Labs (2009)
7	Introduction to Computing	KAU-CPIT201	Lectures and labs (2009)

Administrative Responsibilities, Committee and Community Service **(Beginning with the most recent)**

#	From	To	Position	Organization
1	2020	present	Department Chair	Computer Engineering Department (IAU)
2	2013	2015	Head	Academic Affairs Unit -Female Section (IAU)
3	2014	2015	member	Labs Development Committee (IAU)
4	2011	2013	coordinator	General Years Unit (IAU)
5	2011	2012	coordinator	E-learning Unit (IAU)
6	2010	2011	member	Public Relation Committee (KAU)
7	2009	2011	member	Graduation Projects Exhibition Committee (KAU)
8	2009	2011	member	Academic Advising Unit (KAU)

Workshops/Conferences Attended

- The 22nd International Conference on Transparent Optical Networks (ICTON), Bari, Italy, 2020.
- The 21st International Conference on Transparent Optical Networks (ICTON), Angers, France, 2019.
- The 2nd CommNet2 PhD Spring School on Security, Surrey, UK, March 26-28, 2018.
- IEEE European Summer School on Smart Cities (IEEE-S3C-EU 2017), Trento, Italy, September 4-8, 2017.
- The 8th International Conference on the Network of the Future (NOF), London, 2017.
- Checklist of activities toward NCAAA accreditation, Imam Abdulrahman Bin Faisal University, 2014.
- Course portfolio workshop – Imam Abdulrahman Bin Faisal University 2013.
- Qualifying Program for teacher assistants and lecturer – King Abdulaziz University 2010.
- Scholarship process and preparation – (KAU) 2009 and (Imam Abdulrahman Bin Faisal University) 2012.

- International Conference on Innovations in Information Technology -AlAin-2008.
- Cisco CCNA - Lebanese American University 2004

Last Update

June, 2023