

Curriculum Vitae

Mohammed A. Aleisa

Assistant Professor & Chair

Computer Science Department

College of Computer and Information Sciences (CCIS)

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Academic Qualifications:

- Ph. D in Computer Science, University of Idaho, U.S.A, Fall 2018 – Spring 2022
- M.S in Computer Science, University of Colorado Denver, U.S.A, Spring 2013 - Fall 2014
- Diploma in Intensive English Language Program, Spring International Language Center, Littleton, Colorado U.S.A 2012
- B.S in Computer Science, King Abdulaziz University, Jeddah, Saudi Arabia 2010

Academic Experience

- Summer 2023 – till date: Chair, Department of Computer Science, College of Computer and Information Sciences, Majmaah University, Saudi Arabia.
- Fall 2022 – till date: Assistant Professor, Department of Computer Science, College of Computer and Information Sciences, Majmaah University, Saudi Arabia.
- Spring 2015 - Summer 2018: Lecturer, Department of Computer Science, Alghat College, Majmaah University, Saudi Arabia.
- Spring 2011 - Summer 2011: Teaching Assistant, Department of Computer Science, Alghat College, Majmaah University, Saudi Arabia.

Contributions to the discipline (e.g., service, publications or presentations)

Service

- Computer Science Department, Chair
- College of Computer and Information Sciences Council, Member
- Department Scientific Committee, Chair
- Curriculum and Plans of Study Unit, Member

- Graduation Projects Unit, Member
- Student Conduct Committee, Member
- Community Service Unit, Member
- Social Media website committee, Chair
- Intellectual Awareness Unit, Chair

Awards & Honors

- I have been eligible for funding the first journal paper from the University of Idaho Open Access Publishing Fund (OAPF) for the year of 2020.
- I have been awarded for funding the second journal paper from the University of Idaho Open Access Publishing Fund (OAPF) for the year of 2021.
- I have received publication and travel Award for my conference paper from the University of Idaho Graduate and Professional Student Association (GPSA) for the year of 2020.
- I have been invited to be a reviewer for some journals such as IEEE Access, and Wiley.

Academic Training & Certificates

- International Computer Driving License ® Version 4.0,
- ASP.NET 2.0, New Horizons Institute, Saudi Arabia 2009
- Effective Communication Skills, New Horizons Institute, Saudi Arabia
- Intensive English Language Program, Spring International Language Center, Littleton, Colorado U.S.A 2012
- ACM SIGSIM Conference on Principles of Advanced Discrete Simulation (PADS), Denver, Colorado U.S.A 2014
- Emotional Intelligence for Academic Leaders, Academic Leadership Center, Saudi Arabia 2015

Undergraduate Courses Taught at Majmaah University

➤ Alghat Campus (College of Sciences):

- CAP 107: Introduction to Computer Skills
- CAP 204: Computer Networks
- CAP 332: Operating Systems
- CAP 490: Selected Topics – 1
- CAP 492: Selected Topics – 2
- MIS 322: Decision Support System
- CSI 261: Database Systems

- MIS 412: Selected Topics in Information Systems
- MIS 311: Algorithms and Programming Concepts
- MGT 419: Graduation Project-1 (Male Section)
- MFT 419: Graduation Project-1 (Female Section)

➤ **Majmaah Campus (College of Computer and Information Sciences):**

- IT 341: Data Transmission and Computer Networks
- CS 240: Operating Systems
- CS 110: Programming-1
- CS 399: Seminar
- HIF 485: Data Security and Human Ethics
- PCOM 113: Computer Skills
- CS 498: Graduation Project-1

list of publications

As a first author

[1] Paper title: Access Control in Fog Computing: Challenges and Research Agenda

Description: Journal paper published online by IEEE Access

Impact Factor: 3.367

Reference: **M. A. Aleisa**, A. Abuhussein and F. T. Sheldon, "Access Control in Fog Computing: Challenges and Research Agenda," in *IEEE Access*, vol. 8, pp. 83986-83999, 2020, doi: 10.1109/ACCESS.2020.2992460.

[2] Paper title: Performance Analysis of Two Cloud-Based IoT Implementations: Empirical Study

Description: Conference paper in the 7th International Conference on Cyber Security and Cloud Computing (CSCloud) and the 6th International Conference on Edge Computing and Scalable Cloud (EdgeCom). published online by IEEE.

Reference: **M. Aleisa, A. A. Hussein, F. Alsubaei and F. T. Sheldon**, "Performance Analysis of Two Cloud-Based IoT Implementations: Empirical Study," *2020 7th IEEE International Conference on Cyber Security and Cloud Computing (CSCloud)/2020 6th IEEE International Conference on Edge Computing and Scalable Cloud (EdgeCom)*, 2020, pp. 276-280, DOI: 10.1109/CSCloud-EdgeCom49738.2020.00055

[3] Paper title: Examining Performance in Fog-Aided Cloud-Centered IoT in a Real-World Environment

Description: Journal paper published online by MDPI sensors

Impact Factor: 3.576

Reference: **M. A. Aleisa, A. Abuhussein, F. S. Alsubaei, and F. T. Sheldon**, "Examining the Performance of Fog-Aided, Cloud-Centered IoT in a Real-World Environment," *Sensors*, vol. 21, no. 21, p. 6950, Oct. 2021, doi: 10.3390/s21216950

[4] Paper title: Novel Security Models for IoT-Fog-Cloud Architectures in a Real-World Environment

Description: Journal paper published online by MDPI applied science

Impact Factor: 3.576

Reference: **M. A. Aleisa**, A. Abuhussein, F. S. Alsubaei, and F. T. Sheldon, "Novel Security Models for IoT-Fog-Cloud Architectures in a Real-World Environment," *Applied Science*, vol. 21, no. 21, p. 6950, Mar. 2022.

As a second author

[5] Paper title: Simulation and Performance Evaluation of CPU Scheduling Algorithms

Description: Journal paper published online by International Journal of Advanced Research in Computer and Communication Engineering

Reference: S. Almakdi, **M. Aleisa** and M. Alshehri, "Simulation and Performance Evaluation of CPU Scheduling Algorithms", *Ijarccce*, no. March, pp. 1-6, 2015.

