

# MOHAMMAD A. ABDEL-RAHMAN (AL-RAMAHI)

## ASSISTANT PROFESSOR OF CIS

**SCHOOL:**  
College of Business  
Texas A&M-San Antonio  
San Antonio, TX 78224, USA

### CURRICULUM VITAE

**E-MAIL:**  
[mohammadarefalramahi@gmail.com](mailto:mohammadarefalramahi@gmail.com)

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## EDUCATION

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**Doctor of Science (D.Sc.) in Information Systems (IS)**, Dakota State University

Specialization: *Decision Support, Knowledge and Data Management*

Semester of Graduation: May 2017

Dissertation Title: *Discovering Design Principles for Health Behavioral Change Support Systems: A Text Mining Approach*

**Master of Science (M.S.) in Information Systems (IS)**, Dakota State University. *GPA: 4.0*

Specialization: *Data Management*

Degree earned Dec 2015.

**Master of Science (M.S.) in Computer Information Systems (CIS)**, Yarmouk University, Jordan. *GPA: 91.9*

Masters Project: *N-Gram-Based Techniques for Arabic Text Document Matching; Case Study: Courses Accreditation.*

Degree earned Sep 2006.

**Bachelor of Science (B.S.) in Computer Science (CS)**, Yarmouk University, Jordan. *GPA: 90.0*

Degree conferred August 2004.

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## TEACHING EXPERIENCE

2006 – 2013, 2015 – PRESENT

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### SEPTEMBER 2018 – PRESENT

**ASSISTANT PROFESSOR OF CIS, DEPARTMENT OF COMPUTING AND CYBERSECURITY, COLLEGE OF BUSINESS, TEXAS A&M-SAN ANTONIO, SAN ANTONIO, TX 78224, USA**

#### Fall 2022:

- CSCI 5332 Bus Intel Data Mining, CISA 4358- Senior Project and Seminar, CISA4 313 Programming for Data Analytics and CISA3311- Project Management

#### Summer 2022:

- CISA3358- Management Information Systems

#### Spring 2022:

- CISA 4358- Senior Project and Seminar and CISA3311- Project Management

#### Fall 2021:

- CSCI 5332 Bus Intel Data Mining, CISA 4358- Senior Project and Seminar, CISA4313 Programming for Data Analytics, CSCI1436 Programming Fundamentals I, and CISA 3311 Project Management

#### Summer 2021:

- CISA3358- Management Information Systems

#### Spring 2021:

Mohammad A. Abdel-Rahman (Al-Ramahi), MSIS, D.Sc.

- CISA 4358- Senior Project and Seminar and CISA3311- Project Management

**Fall 2020:**

- CISA 4358- Senior Project and Seminar and CISA4313 Programming for Data Analytics

**Summer 2020:**

- Teaching CISA3309- Scripting Languages and CISA3358- Management Information Systems

**Spring 2020:**

- Teaching CISA3311- Project Management and CISA 4358- Senior Project and Seminar

**Fall 2019:**

- Design and teaching CISA4313 Programming for Data Analytics, CISA2305 Java Programming and CISA3311 Project Management.

**Summer 2019:**

- Design and teaching CISA3358- Management Information Systems.

**Spring 2019:**

- Design and teaching CISA4311- Project Management, CISA 4358, Senior Project and Seminar.

**Fall 2018:**

- Design and teaching CISA 5311 - Project Management (Graduate course), CISA 4305 - Java Programming, CSCI 1136 - Programming Fndmtls I Lab and CISA 4304 - Database Systems.

**JULY 2017 – AUGUST 2018**

**ASSISTANT PROFESSOR OF INFORMATICS AND CIS, SCHOOL OF BUSINESS AND ECONOMICS, INDIANA UNIVERSITY EAST, RICHMOND, IN 47374, USA**

**Spring 2018:**

- Design and teaching INFO-I 211 Information Infrastructure II course (Advanced Java course),
- Design and teaching INFO-I 308: Information Representation (The basic structure of information representation in digital information systems)
- Design and teaching IIM-I 300: Foundations and Principles of Integrated Information Management

**Fall 2017:**

- Design and teaching INFO-I 210 Information Infrastructure I course: Introduction to Java programming course.
- Design and teaching BUEA-M 556 Managerial Application of Information: Graduate course in Master of Science in Management (MSM) program.

**JANUARY 2016 – MAY 2017**

**GRADUATE TEACHING ASSISTANT, DAKOTA STATE UNIVERSITY, IS DEPT, USA**

**Spring 2017:**

- Grading: Programming for Data Analytics (INFS 772) and Info Tech Strategy & Policy(INFS 780).
- Mentoring MS GA students:

**Fall 2016:**

- Teaching Emerging Technologies and Issues course (INFS 732): Preparing class materials, grading class assignments, exams, and discussions, answering students e-mails and requests, and monitoring and maintaining course Website.

**Spring 2016:**

- Teaching Management and Evaluation of Information Systems course (INFS 612) (on-campus and online students): Preparing class materials, giving on-campus lectures, grading class assignments, exams, and discussions, answering students e-mails and requests, and monitoring and maintaining course Website.
- Grading class assignments for Database Management Systems course (CIS 484).

**SEPTEMBER 2007 – JANUARY 2014**

Mohammad A. Abdel-Rahman (Al-Ramahi), MSIS, D.Sc.

**INSTRUCTOR, YARMOUK UNIVERSITY, MIS DEPT, JORDAN**

Teaching and preparing class materials of the following courses:

- MIS 102: Introduction to Management Information Systems
- CIS 240: Software Engineering
- MIS 250 : E-Commerce
- MIS 310: Programming for Management Information Systems
- MIS 360: Systems Analysis and Design
- MIS 380: Business Databases
- MIS 499: Graduation Project

**SEPTEMBER 2006 – AUGUST 2007**

**PART-TIME LECTURER, JORDAN UNIVERSITY OF SCIENCE AND TECHNOLOGY,  
COMPUTER SCIENCE DEPT, JORDAN**

- Teaching introductory programming courses (C++ and Visual Basic).

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## **UNIVERSITY SERVICE**

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**Texas A&M University-San Antonio**

**Summer2020/Fall2020**

- Member of College of Business (COB) Curriculum Committee: Review and develop recommendations for submitted course and degree plan proposals, as submitted. Review BBA course maps and learning objectives and identify key material/faculty subcommittees to help develop review modules for exit exam review modules in upcoming capstone lab course.
- MBA Admissions Committee: Create criteria for MBA admission decisions, Evaluate MBA applicants for admission, and Propose changes to admission standards and catalog language to faculty

**Spring 2020**

- Member of College of Business (COB) Curriculum Committee: examination of the BBA core
- Designed and managed the March 7, 2020 San Antonio Regional Science Olympiad-data science track at TAMU-SA

**Fall 2019**

- Member of Departmental Search Committee for the tenure track faculty position at the Assistant Professor level (with emphasis in Computer Information Systems): follow all the A&M-SA HR mandated rules and procedure steps to conduct the search and maintain appropriate confidentiality. The committee finalized the job posting, reviewed the applications and completed the campus interviews and submitted their recommendations to the Department Chair
- Member of The Department curriculum committee: the responsibility of the Department level committee to get all the forms, documents, and paperwork signed and delivered to the College committee, and their responsibility to respond to questions from College level committee and beyond

**Spring/Summer 2019**

- Member of Departmental Search Committee for the two Tenure Track Position and the Lecturer position: follow all the A&M-SA HR mandated rules and procedure steps to conduct the search and maintain appropriate confidentiality. The committee reviewed the applications and completed the campus interviews and submitted their recommendations to the Department Chair
- Member of MBA Admissions Committee: the initial charge of the committee is to create criteria for MBA admission decisions, Evaluate MBA applicants for admission and propose changes to admission standards and catalog language to faculty

Mohammad A. Abdel-Rahman (Al-Ramahi), MSIS, D.Sc.

## Fall 2018

- BBA-CIS and BAAS-IT Curriculum committee member: Review and update the BBA-CIS and the BAAS-IT curriculum per the department's objectives and plan.

## Academic year 2017/2018, School of Business and Economics, Indiana University East, Richmond, IN 47374, USA:

- Collaborative Online INFO-C Courses development subcommittee member: participate on the development of the collaborative informatics (INFO-C) courses.

## Fall 2015, College of business and IS, Dakota State University:

- Member of accreditation and quality assurance committee: Mapping between the curriculum of IS bachelor's degree and ABET standards.

## Academic year 2012/2013, MIS department, Yarmouk University, Jordan:

- Member of accreditation and quality assurance committee.
- Member of curriculum and exams committee.

## Academic year 2011/2012, MIS department, Yarmouk University, Jordan:

- Member of curriculum and exams committee.
- Member of scientific and library committee.

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## RESEARCH

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### BOOK CHAPTER:

1. Noteboom C., **Abdel-Rahman (Al-Ramahi) M.** (2020) Toward Actionable Knowledge: A Systematic Analysis of Mobile Patient Portal Use. In: Wickramasinghe N., Bodendorf F. (eds) Delivering Superior Health and Wellness Management with IoT and Analytics. Healthcare Delivery in the Information Age. **Springer**, Cham. Pages 587-602. DOI: [https://doi.org/10.1007/978-3-030-17347-0\\_29](https://doi.org/10.1007/978-3-030-17347-0_29). Online ISBN: 978-3-030-17347-0. Print ISBN: 978-3-030-17346-3

### REFEREED ARTICLES:

1. **Major revision (Under second review cycle):** Evaluating Mobile Patient Portals from Health Behavioral Change Support Perspective: Mining User Feedback Using Topic Modeling. ***Informatics for health and social care***. *Impact Factor: 2.439, (C journal) in ABDC Journal Quality List*
2. "Optimization of deep learning models: benchmark and analysis". Ahmad, R., Alsmadi, I. & Al-Ramahi, M. ***Advances in Computational Intelligence***. **3, 7 (2023)**. <https://doi.org/10.1007/s43674-023-00055-1>
3. "Enhanced Convolutional Neural Network for Non-Small Cell Lung Cancer Classification". Tashtoush Y, Obeidat R, Al-Shorman A, Darwish O, **Al-Ramahi M**, Darweesh D. ***International Journal of Electrical and Computer Engineering (2088-8708)***. **2023**;13(1):1024-1038. doi:10.11591/ijece.v13i1.pp1024-1038
4. "A comparative analysis of anti-vax discourse on twitter before and after COVID-19 onset". Nasralah T, Elnoshokaty A, El-Gayar O, **Al-Ramahi M**, Wahbeh A. ***Health Informatics Journal***. **2022**;28(4) *Impact Factor: 2.681 (C journal) in ABDC Journal Quality List*

5. "Access and Experiences of Arabic Native Speakers With Disabilities on Social Media During and After the World Pandemic". *Zainab AlMeraj, Iyad Abu Doush, Dari Alhuwail, Shok Shama, Ahmed AlBahar & Mohammad Al-Ramahi*. ***International Journal of Human-Computer Interaction***. 2022. *Impact Factor 3.353*, DOI: [10.1080/10447318.2022.2051887](https://doi.org/10.1080/10447318.2022.2051887) (**B journal**) in ABDC Journal Quality List
6. "Public Discourse Against Masks in the COVID-19 Era: Infodemiology Study of Twitter Data". ***JMIR Public Health & Surveillance (JPHS)***. 2021; 7(4): e26780 doi: [10.2196/26780](https://doi.org/10.2196/26780) PMID: [33720841](https://pubmed.ncbi.nlm.nih.gov/33720841/) PMCID: [8023378](https://pubmed.ncbi.nlm.nih.gov/8023378/) *Impact Factor: 4.11*
7. "Classifying Insincere Questions on Question Answering (QA) Websites: Meta-Textual Features and Word Embedding". ***Mohammad Al-Ramahi, Izzat Alsmadi***. ***Journal of Business Analytics***. 2021 DOI: [10.1080/2573234X.2021.1895681](https://doi.org/10.1080/2573234X.2021.1895681), (**C journal**) in ABDC Journal Quality List
8. "Mining User-Generated Content of Mobile Patient Portal: Dimensions of User Experience", ***Mohammad Al-Ramahi, Cherie Noteboom***. ***ACM Transactions on Social Computing (TSC)***, June 2020, Vol. 3, No. 3, Article 15. DOI: <https://doi.org/10.1145/3394831>
9. "Mining Physicians' Opinions on Social Media to Obtain Insights Into COVID-19: Mixed Methods Analysis", *Wahbeh A, Nasralah T, Al-Ramahi M, El-Gayar O*. ***JMIR Public Health and Surveillance***, 2020, Vol. 6, No. 2, e19276. DOI: [10.2196/19276](https://doi.org/10.2196/19276) PMID: [32421686](https://pubmed.ncbi.nlm.nih.gov/32421686/) PMCID: [7304257](https://pubmed.ncbi.nlm.nih.gov/7304257/) *Impact Factor 4.11*
10. "Discovering Design Principles for Health Behavioral Change Support Systems: A Text Mining Approach", ***Mohammad A. Al-Ramahi***, J Liu, O El-Gayar. ***ACM Transactions on Management Information Systems (TMIS)***, June 2017; Vol. 8, No. 2–3, Article 5. DOI: [10.1145/3055534](https://doi.org/10.1145/3055534)
11. "Related Problems With the Adoption of E-Banking in Jordan", Izzat Alsmadi, ***Mohammad A. Al-Ramahi***. ***Abhath Al-Yarmouk Journal: "Basic Sci. & Eng."***, 2013; Vol. 22, 1: pp.39-51
12. "The impact of using pair programming: A case study", ***Mohammad A. Al-Ramahi***, Iyad Alazzam, and Izzat Alsmadi. ***International Journal of Teaching and Case Studies***, 2013; Vol. 4, 4:pp.313-329
13. "N-Gram-Based Techniques for Arabic Text Document Matching; Case Study: Courses Accreditation", ***Mohammad A. Al-Ramahi*** and Suleiman H. Mustafa. ***Abhath Al-Yarmouk Journal: "Basic Sci. & Eng."***, 2012; Vol. 21, 1:pp.85-10
14. "Evaluating Google Queries Based On Language Preferences", Ahmed F. Al-Eroud, ***Mohammad A. Al-Ramahi***, Mohammed N. Al-Kabi, Izzat M. Alsmadi and Emad M. Al-Shawakfa. ***Journal of Information Science (JIS)***, June 2011; vol.37, 3:pp.282-292. doi: [10.1177/0165551511403383](https://doi.org/10.1177/0165551511403383)

#### REFEREED CONFERENCE PROCEEDINGS:

15. "Conversational Agents for Mental Health and Well-being: Discovering Design Recommendations Using Text Mining", *Abdullah Wahbeh; Mohammad Al-Ramahi; Omar El-Gayar; Ahmed Elnoshokaty; Tareq Nasralah*. ***Proceedings of the 56th Hawaii International Conference on System Sciences (HICSS-56 '23)***, January 3-6, 2023, Hawaii, USA. (**Nominated for best paper award**)

16. "Mining Health Informatics Job Advertisements: Insights for Higher Education Programs and Job Seekers", Ahmed Elnoshokaty; **Mohammad Al-Ramahi**; Omar El-Gayar; Abdullah Wahbeh; Tareq Nasralah. Proceedings of the 56th Hawaii International Conference on System Sciences (HICSS-56 '23), January 3-6, **2023**, Hawaii, USA. **(Nominated for best paper award)**
17. "Dark Web Analytics: A Comparative Study of Feature Selection and Prediction Algorithms", Ahmad Al-Omari, Andrew Alhusen, Abdullah Wahbeh, **Mohammad Al-Ramahi**, Izzat Alsmadi. IEEE proceedings of the International Conference on Intelligent Data Science Technologies and Applications (IDSTA2022), September 5-7, 2022. San Antonio, Texas, USA
18. "Fake News Detection on Social Media: A Word Embedding-Based Approach", Muammer Eren Sahin, Chunyang Tang, **Mohammad Al-Ramahi**,. In proceedings of the 28th Americas Conference on Information Systems (AMCIS 2022), August 10-14, 2022.
19. "Prediction and Analysis of Bus Adherence to Scheduled Times: San Antonio Transit System", **Mohammad Al-Ramahi**, Izzat Alsmadi, Daniel Delgado, Young Lee. In proceedings of the 28th Americas Conference on Information Systems (AMCIS 2022), August 10-14, 2022. **(Selected in the top 25% of papers)**
20. "Drivers and Challenges of Wearable Devices Use: A Mixed Method Analysis of Online User Reviews", Ahmed Elnoshokaty , Omar El-Gayar, Abdullah Wahbeh, **Mohammad Al-Ramahi**, Tareq Nasralah. In proceedings of the 28th Americas Conference on Information Systems (AMCIS 2022), August 10-14, 2022.
21. "Mental Health and the COVID-19 Pandemic: Analysis of Twitter Discourse", Omar El-Gayar, Abdullah Wahbeh, Tareq Nasralah, Ahmed Elnoshokaty, **Mohammad Al-Ramahi**,. In proceedings of the 27th Americas Conference on Information Systems (AMCIS 2021), August 9-13, 2021.
22. "Stance Detection in the Context of Fake News", Izzat Alsmadi, Iyad Alazzam, **Mohammad Al-Ramahi**. In online proceedings of Center for Informed Democracy & Social - cybersecurity (IDeaS 2021), Carnegie Mellon University (CMU)'s center for disinformation, hate speech and extremism online July 12-13, 2021, USA.
23. "Adverse Health Effects of Kratom: An Analysis of Social Media Data", Abdullah Wahbeh, Tareq Nasralah, Omar El-Gayar, **Mohammad Al-Ramahi**, Ahmed Elnoshokaty. Proceedings of the 54<sup>th</sup> Hawaii International Conference on System Sciences (HICSS-54 '21), January 5-8, **2021**, Hawaii, USA.
24. "Exploring hackers assets: topics of interest as indicators of compromise", **Mohammad Al-Ramahi**, Izzat Alsmadi, Joshua Davenport. ACM Proceedings of the 7th Symposium on Hot Topics in the Science of Security (HotSoS '20), September, USA.
25. "Health Risks of e-cigarettes: Analysis of Twitter Data Using Topic Mining", Wahbeh A, **Al-Ramahi M**, El-Gayar O, Nasralah T. Proceedings of the 26th Americas Conference on Information Systems (AMCIS 2020), August, **2020**, USA.
26. "Using Data Analytics to Filter Insincere Posts from Online Social Networks A Case Study: Quora Insincere Questions", **Mohammad Al-Ramahi**, Izzat Alsmadi. Proceedings of the 53<sup>rd</sup> Hawaii

International Conference on System Sciences (HICSS-53 '20), January 7-10, 2020 Grand Wailea, Maui, Hawaii, USA.

27. *"Identifying Users' Concerns in Lodging Sharing Economy Using Unsupervised Machine Learning Approach"*, **Mohammad Al-Ramahi**, Ali Ahmed. IEEE: Proceedings of the 2nd International Conference on Data Intelligence and Security (ICDIS 2019), June 28 -30, 2019 South Padre Island, Texas, USA
28. *"Discovering Patient Portal Features Critical to User Satisfaction: A Systematic Analysis"*, Abdullah Wahbeh, **Mohammad Al-Ramahi**, Cherie Noteboom, Tareq Nasralah. Hawaii International Conference on System Sciences (HICSS-52 '19), January 8-11, 2019 Grand Wailea, Maui, Hawaii, USA.
29. *"Features Related to Patient Portal User Satisfaction: N-Gram-Based Analysis of Users' Feedback"*, **Mohammad Al-Ramahi**, Abdullah Wahbeh, Cherie Noteboome. Proceedings of the 2018 ACM SIGMIS Conference on Computers and People Research, June 18-20, 2018, Buffalo – Niagara Falls, USA.
30. *"A Systematic Analysis of Patient Portals Adoption, Acceptance and Usage: The Trajectory for Triple Aim?"*, **Mohammad Al-Ramahi**, Cherie Noteboom. Hawaii International Conference on System Sciences (HICSS-51 '18), January 3-6, 2018 Big Island, Hawaii, USA.
31. *"What are the Gaps in Mobile Patient Portal? Mining Users Feedback using Topic Modeling"*, C Noteboom, **Mohammad Al-Ramahi**. Hawaii International Conference on System Sciences (HICSS-51 '18), January 3-6, 2018 Big Island, Hawaii, USA. **Nominated for best paper award.**
32. *"Health Social Network Websites: Design Features and Users' Participation"*, **Mohammad Al-Ramahi**, I Park. Twenty-third Americas Conference on Information Systems (AMCIS 2017), August, 2017, Boston, MA, USA.
33. *"Online Health Recommendation System: A Social Support Perspective"*, Tareq Nasralah, Cherie Bakker Noteboom, Abdullah H Wahbeh, **Mohammad Al-Ramahi**. The 2017 Midwest Association for Information Systems (MWAIS 2017) Conference, May, 2017, Springfield, Illinois, USA.
34. *"Users Acceptance of Health Behavioral Change Support Systems"*, **Mohammad Al-Ramahi**, I Park, J Liu. Twenty-second Americas Conference on Information Systems (AMCIS 2016), August, 2016, San Diego, CA, USA.
35. *"Discovering Design Principles for Persuasive Systems: A Grounded Theory and Text Mining Approach"*, **Mohammad Al-Ramahi**, O El-Gayar, J Liu. IEEE: Hawaii International Conference on System Sciences (HICSS-49 '16), January, 2016 Kauai, Hawaii, USA.
36. *"The Effect of perceived IS support for creativity on job satisfaction: The role of effective IS use in virtual workplaces"*, I Park, **Mohammad Al-Ramahi**, J Cho. Thirty Sixth International Conference on Information Systems (ICIS 2015), December, 2015, Fort Worth, Texas, USA.
37. *"Predicting Big Movers Based on Online Stock Forum Sentiment Analysis"*, **Mohammad Al-Ramahi**, J Liu, O El-Gayar, Y Chang. Twenty-first Americas Conference on Information Systems (AMCIS 2015), August, 2015, Puerto Rico, USA.

Mohammad A. Abdel-Rahman (Al-Ramahi), MSIS, D.Sc.

38. "The Influence of Peers Social Structure in Healthcare Social Networking Websites", **Mohammad Al-Ramahi**, I Park. Twenty-first Americas Conference on Information Systems (AMCIS 2015), August, 2015, Puerto Rico, USA.

#### CONFERENCE PRESENTATIONS:

39. "Using Data Analytics to Filter Insincere Posts from Online Social Networks A Case Study: Quora Insincere Questions". **Mohammad Al-Ramahi, Izzat Alsmadi** The 53rd Hawaii International Conference on System Sciences (HICSS-53 '20), January 7-10, 2020 Grand Wailea, Maui, Hawaii, USA.
40. "Property Sharing Economy: Mining Users' Concerns of Airbnb Mobile App", **Mohammad Abdel-Rahman (Al-Ramahi)**. 17th Annual Big XII+ MIS Research Symposium, April 12-14, 2019, **Texas Tech University**, Lubbock, Texas, USA.
41. "What are the Gaps in Mobile Patient Portal? Mining Users Feedback using Topic Modeling", **Mohammad Abdel-Rahman (Al-Ramahi)**, Cherie Noteboom. 15th Annual Big XII+ MIS Research Symposium, April 7-9, 2017, Omaha, Nebraska, USA.
42. "Users Feedback Based Design Principles for Persuasive Systems: A Text Mining Approach", **Mohammad Al-Ramahi**, J Liu, O El-Gayar. Twenty-five Workshop on Information Technologies and Systems (WITS 2015), December, 2015, Dallas, Texas, USA.

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## PROFESSIONAL EXPERIENCE

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### Texas A&M University-San Antonio– Assistant Professor of CIS                      Sept 2018 – Present

- **CISA3309**: Scripting Languages (Summer 2020)
- **CISA4313**: Programming for Data Analytics (Fall 2019, Fall 2020)
- **CISA2305**: Java Programming (Fall 2019)
- **CISA3311**: Project Management (Spring 2020, Fall 2020)
- **CISA3358**: Management Information Systems (Summer 2019, Summer 2020)
- **CISA4311**: Project Management (Spring 2019)
- **CISA 4358**: Senior Project and Seminar (Spring 2019, Spring 2020, Fall 2020)
- **CISA 5311**: Project Management (Graduate course) (Fall 2018)
- **CISA 4305**: Java Programming (Fall 2018)
- **CSCI 1136**: Programming Fndmtls I Lab (Fall 2018)
- **CISA 4304**: Database Systems (Fall 2018)

### Indiana University East – Assistant Professor of Informatics                      August 2017 – August 2018

- **INFO-I 211**: Information Infrastructure II course (Advanced Java course): Design and teaching the course (Spring 2018).
- **INFO-I 308**: Information Representation (The basic structure of information representation in digital information systems): Design and teaching the course (Spring 2018).
- **IIM-I 300**: Foundations and Principles of Integrated Information Management: Design and teaching the course (Spring 2018).
- **INFO-I 210**: Information Infrastructure I course (Introduction to Java programming course): Design and teaching the course (Fall 2017).

Mohammad A. Abdel-Rahman (Al-Ramahi), MSIS, D.Sc.



- **BUEA-M 556:** Managerial Application of Information (Graduate course in Master of Science in Management (MSM) program): Design and teaching the course (Fall 2017).

**Dakota State University- Graduate Teaching Assistant**

**January 2016 – May 2017**

- **INFS 732:** Emerging Technologies & Issues: Preparing class materials, grading class assignments, answering students e-mails and requests, and monitoring and maintaining course Website (Fall 2016)
- **INFS 612:** Management and Evaluation of Information Systems: Teaching, preparing class materials, grading class assignments, exams, and discussions, answering students e-mails and requests, and monitoring and maintaining course Website (Spring 2016)
- **CIS 484:** Database Management Systems: Grading class assignments (Fall 2015)
- **Member of accreditation committee of IS program:** Working on ABET standards (Fall 2015).

**Dakota State University – Graduate Research Assistant**

**August 2013 – January 2016**

Working on research projects related to data analytics using Python.

**Yarmouk University, Jordan - Instructor**

**September 2007 – January 2014**

Taught courses at the *Management Information Systems (MIS)* Department include Database Management Systems, Systems Analysis and Design and Programming Courses. Also, I supervised students' graduation projects.

**Jordan University of Science and Technology, Jordan**

**September 2006 – August 2007**

**Part-time lecturer**

Taught introductory programming courses at the Computer Science department.

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## **GRANTS, HONORS AND AWARDS:**

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- 2023, **Best Paper Nomination**, Fifty-six (56) Hawaii International Conference on System Sciences (HICSS-56)
- **NSF Grant Award:** CISE-MSI: RCBP-RF: S&CC: Building a Smart Mobility Network for the San Antonio Transit to Improve Transit Service and Social Impact (SmartSAT), **Award Amount:** \$299,897, **Award ID:** 2131193, **Award Period of Performance:** Start Date: 10/01/2021 End Date: 09/30/2023 (**Role: Co-PI**)
- **Spring 2021 Research Council Grant/Texas A&M University-San Antonio:** Research grant amount: \$10,000 (January 1, 2021 through December 31, 2021)
- 2018, **Best Paper Nomination**, Fifty-one (51) Hawaii International Conference on System Sciences (HICSS-51)
- **Fall 2018 Research Council Grant/Texas A&M University-San Antonio:** Research grant amount: \$5,000.
- **2016-17 Student Research Initiative (SRI) Award/Dakota State University:** "Discovering Design Principles for Health Behavioral Change Support Systems: A Text Mining Approach"
- **2015-16 Student Research Initiative (SRI) Award/Dakota State University**
- **Nominated a PhD scholarship**, 2011, MIS department/Yarmouk university.
- **First standing in the master degree (M.S):** My standing was the (first) among the (17) students who graduated in the same academic year, Yarmouk university.
- **Second standing in the bachelor degree (B.S.):** My standing was the (2) among the (321) students who graduated in the same academic year, Yarmouk university.

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## SCHOLARY SERVICES

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### Paper Discussant:

- 17th Annual Big XII+ MIS Research Symposium, April 12-14, 2019, *Texas Tech University*, Lubbock, Texas, USA.

### Reviewer:

#### IS Journals

- Journal of King Saud University – Computer and Information Sciences, Elsevier, 2019 (**Received Elsevier Reviewer Recognition**)
- Computer and Information Sciences
- Behaviour & Information Technology, 2019
- International Journal of Electronic Government Research (IJEGR), 2019
- Information Systems Frontiers (ISF) Journal, 2016)
- International Journal of Electronic Healthcare (IJEH), 2016

#### IS Conferences

- ACM SIGMIS CPR 2018 conference/June 18-20
- Hawaii International Conference on System Sciences (HICSS-52 '19) mini-track on “Sustainability in the Fourth Industrial Age: Technologies, Systems and Analytics”
- International Conference on Information Systems (ICIS2018), review a paper in Healthcare, which utilizes deep learning techniques
- The 2017 Midwest Association for Information Systems (MWAIS 2017) Conference
- 22nd Americas Conference on Information Systems (AMCIS 2016)
- Hawaii International Conference on System Sciences (HICSS-49 '16)

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## PROFESSIONAL AFFILIATION:

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Association for Information Systems (AIS) (2015-Present)

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## PROFESSIONAL CERTIFICATE

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**Business Analytics Graduate Certificate, Dakota State University:** Use raw data to make smart decisions. This 12-credit program includes courses in data mining and business intelligence.

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## SKILLS

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**Business analytics using Python** Use Python for effective data analysis and implementing analytics algorithms.

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## REFERENCES

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**Dr. Omar El-Gayar**  
Professor  
College of Business and  
Information Systems  
Dakota State University

**Dr. Emad Abu-Shanab**  
Associate Professor in MIS  
Accounting & Information  
Systems, B&E College  
Qatar University

**Dr. Ahmed Aleroud**  
Associate Professor of CS  
Department of Computer &  
Cyber Sciences  
Augusta University

Mohammad A. Abdel-Rahman (Al-Ramahi), MSIS, D.Sc.

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