

أ.د. عبدالرحمن بن عبدالكريم بن عبدالرحمن مرزا

Prof. Abdulrahman Abdulkarim A. Mirza

MISK 2030 Leader & Fulbright Alumni

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Education

Executive Education, MISK 2030 Leaders Program
ESADE University, Spain (taught in-person in Riyadh and Spain).

Ph.D. Computer Science.
Illinois Institute of Technology, Chicago, Illinois.

M. S. Operations Research and Management Science.
George Mason University, Fairfax, Virginia.

B. S. Computer Science.
George Mason University, Fairfax, Virginia.

High School Diploma.
Wakefield High School, Arlington, Virginia.

Cultural Exchange:

- Fulbright Alumni – United States (2002 - 2003).

Major Councils/Committees/Societies:

- Member of the Saudi Leadership Society (2022-2025)
- Member of the BS and MS in Information Systems Advisory Committee at Prince Norah Uni. (2025).
- Member of the MS in Information Systems Advisory Committee at Imam Uni. (2024-2025).
- MOE representative in the E-Commerce Council headed by HE Minister of Commerce (2019 - 2022).
- MOE representative in the Permanent Committee for the Preparation of Reports on Human Rights housed at the Human Rights Commission – Representing Saudi at the UN, Geneva (2018 – 2020).
- MOE representative in the Bureau of Experts at the Council of Ministers in several Human Rights-related committees (2018 - 2019).
- Board Member of the Saudi Computer Society (2012 - 2015).
- Current head of the IS programs dev. committee & previously of the Quality & HR committees.

Quality/Accreditation Roles:

- National Center for Technical and Vocational Assessment and Accreditation (NCTVAA), Member of the Committee on the Review of Institutional Accreditation Reports (2019-2020)
- NCTVAA, Lead Institutional Evaluator (2020).
- ABET Program Evaluator (2012-2015).
- ISO 9001-2008 Provisional Lead Auditor (2014).

Work Experience - Employment

Professor 10/2013 to present
Information Systems Department, College of Computer and Information Sciences, King Saud University,
Riyadh, Saudi Arabia

- * Member of the college council since start of Fall 2025.
- * Recently coordinated and managed the relationship with SDAIA establishing a new BS track and executive MS programs in Data Science & Management.
- * Main advisor of 10 graduated PhD students, with 2 more under my current supervision.

- * Teach PhD, MS, and BS courses on E-Business Strategies, AI in Decision Support Systems, Information Security, IS Project Management, Seminar, and several other graduate-level courses.
- * Head and member of several college & department-wide committees including program development.

General Director of the Center for Research on Educational Policy (CREP) 2/2018 to 5/2022.

Ministry of Education

Riyadh, Kingdom of Saudi Arabia

- * Supervised Ministry-wide and CREP projects as main project manager with Evidence for Policy Design at the Harvard Kennedy School of Government, OECD, the World Bank, and Evidence Institute.
- * Managed the execution of evidence-based education policy research to support decision and policy making in the Ministry.
- * Managed the execution of six major workshops & training programs with international speakers.
- * Managed to select and hire eight PhD educational supervisors & two consultants from universities.

Consultant to the Deputy for Planning and Development 5/2017 to 1/2018.

Ministry of Education

Riyadh, Kingdom of Saudi Arabia

- * Technical Lead Supervisor of the Deputyship's initiatives on Data Warehousing, Universities System, and GIS (5/2017 – 2/2018).
- * Focal point and supervisor of IT projects with Deloitte and Tatweer Educational Technologies.
- * General Supervisor of the Techno Valleys Unit (5/2017 – 2/2018).
- * Acting Director of the Center for Educational Statistics (8/2017 – 9/2017).

Vice Dean of Academic Affairs 1/2016 to 12/2016

College of Computer and Information Sciences, King Saud University

Riyadh, Saudi Arabia

- * Attended to students' academic issues and registration problems.
- * Attended to student' summer training program.
- * Managed contractual academic agreement with EMC (currently Dell) establishing training for faculty and students, and overseas training programs.

Consultant and General Supervisor of the General Directorate of Teachers Affairs 3/2015 to 1/2016

Ministry of Higher Education

Riyadh, Kingdom of Saudi Arabia

- * Developed an automated system for the handlings request of teachers with special circumstances reducing the execution time from one year to around one month.
- * Supervised the execution of a major project with BCG as the main focal contact person.
- * Managed the execution of country-wide workshops involving some 3600 teachers.
- * Ran two online surveys created through the Ministry's IT department gathering responses from around 16,000 and 10,000 teachers seeking transfer.
- * Analyzed survey results and put into operations new policies on the teachers transfer requests.
- * Represented the Ministry in meetings with Ministry of Civil Affairs securing new teaching positions.

Consultant to the Minister

2/2015 to 1/2016

Ministry of Education

Riyadh, Saudi Arabia

Consultant to the Minister

1/2015 to 2/2015

Ministry of Higher Education

Riyadh, Saudi Arabia

Director of the Quality & Accreditation Department 7/2013 to 1/2015
Vice Presidency for Planning, Development, and Quality, Saudi Electronic University
Riyadh, Saudi Arabia.

- * Managed quality and accreditation activities of the university.
- * Actively worked on strategic planning and development activities.
- * Managed International collaboration with Franklin U., USA, and other regional institutions.
- * Represented University in Afaq, MOE project.
- * Managed training activities for university faculty and staff.

Department Chair 11/ 2009 to 7/2013
Information Systems Department, College of Computer and Information Sciences, King Saud University,
Riyadh, Saudi Arabia

- * Actively headed the process of achieving ABET accreditation.
- * Attending to students and faculty issues, and updating existing academic MS and BS programs.
- * Head and member of several committees at the department, college, and university levels.

Vice Director 10/2009 to 10/2013
Center of Excellence in Information Assurance, King Saud University,
Riyadh, Saudi Arabia

- * Acting director of the research center (10/2012-10/2013).
- * In charge of several managerial tasks.
- * Manager of the research department.
- * Member of information assurance governance & education research group.

Associate Professor 10/2009 to 10/2013
Information Systems Department, College of Computer and Information Sciences, King Saud University,
Riyadh, Saudi Arabia

- * Taught several undergraduate and graduate-level course.
- * Supervised BS, MS, and Ph.D. students.
- * Active member of several committees and research groups.

Public Relations Consultant 12/2008 to 6/2010
Riyadh Techno Valley, King Saud University
Riyadh, Saudi Arabia

- * Acted in the capacity of public relations department manager.

Chief Information Officer 6/2005 – 10/2009
King Abdullah Foundation for Developmental Housing Dedicated to His Parents
Riyadh, Saudi Arabia

- * Managed the computer information systems department.
- * Set requirements for all computer and information systems needed by the foundation, request supplier bidding, and see projects all the way through implementation.
- * Managed projects include the foundation's web site, ERP system procurement and deployment, critical business information system requirements definition, implementation, and acceptance testing.

Department Chair 7/2003 to 6/2005
Information Systems Department, College of Computer and Information Sciences, King Saud University,
Riyadh, Saudi Arabia

- * As the department chairman I was in charge of managing the smooth running of the department, handling all issues related to faculty, students, staff, and committees.
- * Active member of the college council.

Adjunct Professor 1/2006 to 1/2012
Center of Health and Medical Informatics, King Saud bin Abdulaziz University for Health Sciences

Riyadh, Saudi Arabia

- * Teach IT courses to mostly health professionals as part of the Master of Science program in Health and Medical Informatics including Web technologies, and Database Design and Management.

Fulbright Scholar/Adjunct Professor 8/2002 to 7/2003

School of Computer Science, Information Systems and Telecommunications, DePaul University,
Chicago, IL., USA

- * Carried out research activities with faculty members of DePaul U. as a Fulbright Senior Scholar.
- * Taught several sections of the Survey to E-Commerce course.

Faculty Member 8/2000 to 6/2006 & 2/2010 to 6/2017

Natural & Engineering Sciences Department, College of Applied Studies and Community Service, King Saud University, Riyadh, Saudi Arabia

Assistant Professor 8/1997 to 10/2009

Information Systems Department, College of Computer and Information Sciences, King Saud University,
Riyadh, Saudi Arabia

Adjunct Professor 8/1995 - 8/1997

Oakton Community College, Des Plaines, Illinois

- * Taught several undergraduate courses in two departments: Computer Science and Information Systems. Courses taught included: Introduction to Microcomputer Operating System, Computer Science I (C++), and, Fundamentals of Computing.

Assistant Professor 8/1995 - 12/1995

Knowledge Systems Institute, Skokie, Illinois

- * Conducted lectures to students in a lab setting, teaching Introduction to Programming, Data Structures and Algorithms, and Object-Oriented Programming.
- * Developed and presented technical training sessions on uses of the Internet and HTML programming.

Software Developer 1/1996 - 8/1997

Genesis International, Inc., Hoffman Estates, Illinois

- * Was in charge of the quality assurance of a software system development targeting the telecommunications industry. In this capacity, I have:
 - Developed and conducted testing covering all phases of the system life cycle, including unit, acceptance, integration, performance, and systems testing.
 - Played a visible role in determining new system design and functionality to be incorporated into future releases.
 - Written technical sections of the system's user guide.
 - Analyzed customer requirements and implemented a demo displaying the system's abilities in meeting customer needs.
- * Developed some User Interface components of the above system
- * Developed and maintained company web pages as the company web master.
- * Developed and conducted several HTML training classes.
- * Received in house training in object-orientation and C++ programming.

Intern - Computer Programmer 6/1989 - 8/1989

Systems Research and Applications Corporation, Arlington, Virginia

- * Selected from amongst fifty possible candidates.
- * As member of a three-man team, analyzed, designed, and developed an integrated, automated, bilingual management system demo.
- * Demonstrated to potential clients the use and functionality of developed management system.

Community Services

Member of the 5th E-Government Transformation Measurement Team 2013-2014
E-Government Transformation Program, Ministry of Communications and Information Technology
Riyadh, Saudi Arabia

Member of the Award Committee 2005 – 2016
Digital Excellence Award, Ministry of Communications and Information Technology, Saudi Arabia
* Playing a major role in the setting of Award rules and regulations. Reviewing award policies and objectives on a regular basis and making suggestions for improvement.

IS Curriculum Development 3/2004 – 7/2004
Ma'rifah College, Riyadh, Saudi Arabia
* Participated in the development of the curriculums for computer science and information systems. Was the sole person in charge of the information systems program.

CIS Curriculum Development 5/1999 – 8/2000
Prince Sultan College, Riyadh, Saudi Arabia
* Participated in the development of the curriculums for computer science and information systems. Was the sole person in charge of the information systems program.

Member of the Consulting Team 6/1999 – 12/1999
Ministry of Health, Riyadh, Saudi Arabia
* Offered consultation to the ministry regarding their on-going nation-wide development project of computerized and information systems.

ISP Application Evaluation 7/1998 – 8/1998
King Abdulaziz City of Sciences and Technology, Riyadh, Saudi Arabia
* Participated in the evaluation process of applicants applying to become Internet Service Providers within Saudi Arabia.

Grants and Scholarships

- *Research Project.* Received funding from the National Plan for Science & Technology, King Abdulaziz City for Science & Technology for S.R. 1.2 M for conducting research with the title: "A Web Surveillance Framework for Criminal Networks Identification and Monitoring," March 2012 – Feb. 2014.
- *Fulbright Scholar.* Received the Fulbright Senior Scholarship Award for 2002/2003, during which I spent one year in DePaul University, Chicago, IL, conducting e-business research in cooperation with faculty members of the university.
- *Research Project.* Received funding from the College of Computer and Information Sciences Research Center at King Saud University for S.R. 79,000 for conducting a team research project on IT industry in Saudi Arabia. July 1, 2001 – July 1, 2002.

Professional Development & Training

International

- MISK 2030 Leaders Program, 1st Cohort (10/2021 – 7/2022 with further online engagement until 3/2023). Selected as one of 90 leaders from over 11,000 applicants to this program lead by ESADE University of Spain, with the Center for Creative leadership, and Accenture.
- Business Analytics and AI: Decision-Making Using Data Course (2025 – 8 weeks), Cambridge Judge Business School.

- Removing Barriers to Change (2022 – 4 weeks), The Wharton Business School, University of Pennsylvania.
- Research and Evidence to Inform Education Policy in Saudi Arabia, Harvard University Kennedy School of Government, USA, 2018.
- ISO 9001:2008 Lead Auditor, SAI Global, USA, 2014.
- Assessment Seminar, AACSB, USA, 2014.
- Strategies for Teaching in a Blended Learning Environment, Franklin University, USA, 2014.
- Higher Ed. Executive Program – Building World Class Universities, U. of Toronto, 2013.
- Postgrad. Cert. Training, Center for Academic Practice, Queen Margret University, UK, 2012.
- Teaching for Learning, Center for the Enhancement of Teaching & Learning, Georgia Tech., USA, 2010.

National

- Foundations for Effective Education Policy Reform: Research & Policy Making (by the World Bank) – at MOE, 2019.
- Preparing for the Future: Enabling Evidence-Based Education Reform in Saudi Arabia (By Harvard University) – at MOE, 2019.
- Evidence-Based Research for Education Policy Development (by Evidence Institute) - at MOE, 2018.
- Continuous Improvement System – Kaizen, KSU, 2017.
- Emotional Intelligence in Higher Education Teaching, KSU, 2017.
- Project Management Professional, KSU, 2016.
- Essentials for Effective Peer Review of Teaching, KSU, 2016.
- Creativity Enhancement in Educational Environment, KSU, 2015.
- Intensive Study of ISO 9001-2008 Application in the Educational Institutions, KSU, 2014.
- Design of an E-Course using Course Lab, KSU, 2014.
- Preparing an Institutional Accreditation Self Study Report, NCAAAA, 2014.
- Learning Outcomes Assessment, KSU, 2014.
- Strategic Planning, Institute of Public Administration, 2014.
- Performance Key Indicators and Benchmarking, NCAAAA, 2013.
- E-Portfolio as a tool for students learning outcomes assessment, KSU, 2013
- Developing Teaching e-Portfolio, KSU, 2012.
- Discipline and Pedagogy based Teaching, KSU, 2012.
- Incorporating Technology into University Teaching, KSU, 2012.
- Managerial Innovation & Methods for Generating Innovative Ideas, KSU, 2011.
- Course Design and Construction, KSU, 2011.
- Effective Classroom Management & Assessment of Students Learning, KSU, 2010.
- Peer Consultation Training for Improving Teaching, KSU, 2010.
- Academic Leadership in Research-intensive Universities, KSU, 2010.
- Academic Department Leadership, KSU, 2009.

Current Research Interests

- * AI for Decision Support
- * E-business
- * Cyber Security
- * Software Engineering

Refereed Publications (Journals)

1. A. Alkathlan, A. Mirza (2026), AEConvS: A Novel Dataset and Benchmark for Evaluating Empathetic Response Generation in Arabic LLMs, *Data* 2026, 11(4), 85; <https://doi.org/10.3390/data11040085> (ISI Journal).

2. H. Aldahmash, A. Alothaim and A. Mirza (2024), Identifying Learning Leaders in Online Social Networks Based on Community of Practice Theoretical Framework and Information Entropy, in *IEEE Access*, 2024, vol. 12, pp. 116622-116636, doi: 10.1109/ACCESS.2024.3446454. (ISI Journal).
3. H. Aldahmash, A. Alothaim and A. Mirza (2024), Rumor gatekeepers: Unsupervised ranking of Arabic twitter authorities for information verification. *Journal of King Saud University- Computer and Information Sciences* (2024), doi: <https://doi.org/10.1016/j.jksuci.2024.102111> (ISI Journal - Q1).
4. Althenayan, A.S.; AlSalamah, S.A.; Aly, S.; Nouh, T.; Mahboub, B.; Salameh, L.; Alkubeyyer, M.; Mirza, A. COVID-19 Hierarchical Classification Using a Deep Learning Multi-Modal. *Sensors* 2024, 24, 2641. <https://doi.org/10.3390/s24082641> (ISI Journal - Q2).
5. Alyemny, O.; Al-Khalifa, H.; Mirza, A. (2023), A Data-Driven Exploration of a New Islamic Fatwas Dataset for Arabic NLP Tasks. *Data* 2023, 8(10), 155. <https://doi.org/10.3390/data8100155> (ISI Journal).
6. Hajr, L., Katamoura, S., & Mirza, A. (2023). Bitcoin Cryptocurrency and Electronic Commerce in Saudi Arabia. *Sage Open*, 13(4). <https://doi.org/10.1177/21582440231218513> (ISI Journal)
7. Althinyan A, Mirza A, Aly S, Nouh T, Mahboub B, COVID-19 detection and classification: key AI challenges and recommendations for the way forward. *J Pulmonol Respir Res*. 2023; 7: 010-014.
8. Althenayan, A.S.; AlSalamah, S.A.; Aly, S.; Nouh, T.; Mirza, A.A., Detection and Classification of COVID-19 by Radiological Imaging Modalities Using Deep Learning Techniques: A Literature Review. *Appl. Sci.* 2022, 12, 10535. <https://doi.org/10.3390/app122010535> (ISI Journal - Q2 in Engineering).
9. Al-Ajlan, M., Alsadhan, A., Mirza, A., The Impact of Snapchat and YouTube Influencers on the Consumption Behaviour of Saudi Consumers, *IJCSNS International Journal of Computer Science and Network Security*, VOL.22 No.10, October 2022.
10. H. Alrumaih, A. Mirza and H. Alsalamah, "Domain Ontology for Requirements Classification in Requirements Engineering Context," in *IEEE Access*, vol. 8, pp. 89899-89908, 2020, doi: 10.1109/ACCESS.2020.2993838 (ISI Journal).
11. H. A. Al-Alshaikh, A. A. Mirza and H. A. Alsalamah, "Extended Rationale-Based Model for Tacit Knowledge Elicitation in Requirements Elicitation Context," in *IEEE Access*, vol. 8, pp. 60801-60810, 2020, doi: 10.1109/ACCESS.2020.2982837. (ISI Journal).
12. H. Alrumaih, A. Mirza, and H. Alsalamah, "Toward Supporting the Classification of Software Requirements with an Intelligent Semantic Approach," in *International Journal of Computer Science and Network Security*, 20(3), 2020, pp. 92-102.
13. A. A. Alsanad, A. Chikh, and, A. Mirza. "A domain ontology for software requirements change management in global software development environment." *IEEE Access*, 7:49352–49361, 2019. (ISI Journal).
14. A. A. Alsanad, A. Chikh, and, A. Mirza. "A Multilevel Ontology Framework for Improving Requirements Change Management in Global Software Development". *IEEE Access*, DOI: 10.1109/ACCESS.2019.29167822019, 2019, (ISI Journal).
15. Afzal, Adeel; Al-Subaiee, Faisal S.; Mirza, Abdulrahman A. 2016. "The Attitudes of Agricultural Extension Workers towards the Use of E-Extension for Ensuring Sustainability in the Kingdom of Saudi Arabia." *Sustainability Issue 8, Volume 10, September 2016*, page 980 (1-10). (ISI Indexed) (IF=1.34).
16. Alhogail, A., Bakry, S., & Mirza, A. A Comprehensive Human Factor Framework for Information Security in Organizations. *Journal of Theoretical and Applied Information Technology*, 78(2), 2015, pp. 201-211.
17. Al-Husain D. and, Mirza, A., Twitter and the Opportunity for Small Business Entrepreneurs in Saudi Arabia, *International Arab Journal of e-Technology*, Vol. 4, No. 1, January 2015, pp. 32-38.
18. Nabi, S., Asif, Z., and Mirza, A., When Sentry Goes Stealing: An Information Systems Security Case Study in Behavioural Context, *Acta Informatica Pragensia*, Vol. 3, No. 3, 2014, pp. 222-238.
19. Alhogail, A., and Mirza, A. A framework of Information Security Culture Change. *Journal of Theoretical and Applied Information Technology*, 64(2), 2014, pp. 540–549.
20. Amal M Almana, and Abdulrahman A. Mirza. The Impact of Electronic Word of Mouth on Consumers' Purchasing Decisions. *International Journal of Computer Applications* 82(9):23-31, Nov. 2013.

21. Enayatifar, R., Abdullah, A., Mirza, A., and, Mahmud, M., "Gray Level Image Hiding by Using Mackey-Glass Series", *Research Journal of Applied Sciences Engineering and Technology*, Vol. 5, No. 2, pp. 553-557, 2013. (ISI-SCI-E).
22. Akbar Raza, Matei Ciobanu Morogan, Abdulrahman A. Mirza, Maqsood Mahmud. Security Analysis and Countermeasures of Current Smart Phones Applications, *Information Journal*, Vol.16, No.3(A), March, 2013, pp.2029-2046.
23. ElGibreen, H., and, Mirza, A., Provider Recommendation in E-Service Portals Using Group Profiling, *Journal of Theoretical and Applied Information Technology*, Vol. 42. No. 1, pp. 100-112, 2012.
24. Ullah, I., Mahmud, M., Alsamh, H., Mirza, A., Khan, N., Bin Abdullah, A., Bin Idris, M., and, Rasan, I., "Securing the Wireless Sensor Network by Iris Template" *Science Series Data Report Journal USA*, Vol. 4, No. 9; pp. 80-88, Sep 2012 (ISI-SCI Indexed Journal).
25. Abbas, A., Mirza, A., and, Mahmud, M., "Novel Access Control Security Policies with Integration of Bell-LaPadula Model (BLP) Model" *Science Series Data Report Journal USA*, Vol. 4, No. 7; pp. 67-78, July 2012 (ISI-SCI Indexed Journal).
26. Razzak, M., Husain, S., Mirza, A., and, Belaid, A., "Fuzzy Based Preprocessing Using Fusion of Online and Offline Trait for Online Urdu Script Based Languages Character Recognition," *International Journal of Innovative Computing, Information and Control*, Vol. 8, No. 5(A), pp. 3149-3161, May 2012 (IS-Indexed) (IF=2.92).
27. Razzak, M., Husain, S., Mirza, A., and, Khurram, M., "Bio-Inspired Multilayered and Multilanguage Arabic Script Character Recognition System," *International Journal of Innovative Computing, Information and Control*, Vol. 8, No. 4, pp. 2681-2691, April 2012 (IS-Indexed) (IF=2.92).
28. Mahmud, M., Mirza, A., "Web's critical survey analysis with respect to current loopholes" *International Journal of Physical Sciences (IJPS)*, Vol.7(7), pp.1057-1061, 9 February 2012 (ISI SCI-E). (IF=0.54)
29. Jaffar, A., Mirza, A., and, Mahmud, M., "MR imaging enhancement and segmentation of tumor using fuzzy curvelet", *International Journal of Physical Sciences (IJPS)*, Vol. 6 (31), pp.7242-7246, 30 November 2011. (IF=0.54)
30. Razzak, M., Mirza, A., "Ghost Character Recognition Theory and Arabic Script Based Languages Character Recognition", *Electrical Review*, R. 87, No/VOL:11/2011, pp. 234-238. (ISI-Indexed).
31. Mirza, A., Al-Abdulkareem, M., "Models of E-Learning Adopted in the Middle East", *Applied Computing and Informatics*, Vol. 9, No. 2, July 2011.
32. Iqbal, K., Asghar, S., and, Mirza, A., "Hiding Sensitive XML Association Rules with Supervised Learning Technique", *Intelligent Information Management*, 2011, Vol. 3, No. 6, 219-229.
33. Alhogail, A., Mirza, A., "Implementing A Virtual Learning Environment (VLE) In A Higher Education Institution: A Change Management Approach," *Journal of Theoretical and Applied Information Technology*, Vol. 31. No. 1, pp. 42 – 52, 2011
34. Gharibi , W., and Mirza, A., "Software Vulnerabilities, Banking Threats, Botnets and Malware Self-Protection Technologies", *International Journal of Computer Science Issues (IJCSI)*, Vol. 8, Issue 1, 2011.
35. Gharibi , W., and Mirza, A., "Security Risks and Modern Cyber Security Technologies for Corporate Networks", *International Journal of Computer Science and Information Security (IJCSIS)*, Vol. 9, No. 1, 2011.
36. Mirza, A., "Failure and Success Factors of an Information System Development in a Charitable Organization," *Global Journal of Management and Business Research*, Vol.10 Issue 3, 2010
37. Mirza, A., "Utilizing Student Historical Academic Records in Guiding Educational Services and Development at the National Level," *Applied Computing and Informatics*, Vol. 7, No. 2, 2009.
38. Mirza, A., "Students' Perceived Barriers to In-Class Participation in a Distributed and Gender Segregated Educational Environment," *Electronic Journal of Information Systems in Developing Countries*, 35 (8), pp. 1 - 17, 2008.
39. Settle, A., Berthiaume, A., Lulis, E., & Mirza, A., "Informed Discussion in Information Technology Survey Courses", *Information Systems Education Journal*, 1 (6). The Proceedings of ISECON <http://isedj.org/1/6/>. Sept. 2003, ISSN: 1545-679X.

Refereed Publications (Book Chapters)

1. Mahmud, M., Mirza, A., Ullah, I., Abdullah, A., and Bin Idris, Y., "Enhanced Technique for Secure Sensor Routing with Respect to Energy Conservation" FGIT 2010, LNCS 6485, pp. 376–382, Springer-Verlag Berlin Heidelberg 2010.
2. Mirza, A. & Chan, S., "Challenges for Managing IT Skills Portfolio for E-Business", in Managing IT Skills Portfolios: Planning, Acquisition and Performance Evaluation edited by Nakayama, M. and Sutcliffe, N., Idea Group Publishing, 2004.
3. Chan, S. & Mirza, A., "A Framework for Defining E-Business IT Skills Portfolio," in Issues of Human Computer Interaction, edited by Sarmiento, A., Idea Group Publishing, 2004.

Refereed Publications (Conferences)

1. Alsuyayh, N., Mirza, A., Alhogail, A. (2025). A Phishing Website Detection System Based on Hybrid Feature Engineering with SHAP Explainable Artificial Intelligence Technique. In: Barhamgi, M., et al. Web Information Systems Engineering – WISE 2024 PhD Symposium, Demos and Workshops. WISE 2024. Lecture Notes in Computer Science, vol 15463. Springer, Singapore. https://doi.org/10.1007/978-981-96-1483-7_1
2. Al-Alsheikh H.A., Alsalamah H.A., Mirza A.A. (2020) Toward Development Framework for Eliciting and Documenting Knowledge in Requirements Elicitation. In: Luhach A., Kosa J., Poonia R., Gao XZ., Singh D. (eds) First International Conference on Sustainable Technologies for Computational Intelligence. Advances in Intelligent Systems and Computing, Vol 1045. Springer, Singapore, pp 11-20.
3. H. Alrumaih, A. Mirza and H. Alsalamah, "Toward Automated Software Requirements Classification," *2018 21st Saudi Computer Society National Computer Conference (NCC)*, Riyadh, 2018, pp. 1-6.
4. Alsenan, Shrooq; Mirza, Abdulrahman, "E-Commerce Alarming Security Symptoms – Review and Discussion of Attacks Indicators", the 18th International Conference on Information Integration and Web-based Applications & Services (iiWAS2016), Singapore, Nov. 28-30, 2016.
5. Alsanad, Abeer, and, Mirza, Abdulrahman, "Advertisement through the Most Popular Twitter Users Based on Followers in Saudi Arabia ", 13th International Conference on Information Technology, Las Vegas, NV., USA, April 11-13, 2016.
6. Alhogail, A., & Mirza, A. Human Factor Diamond Framework for Information Security behavior in Organizations. In 1st International Conference on Human Factors in Cyber-security, part of the International Conference on Applied Human Factors and Ergonomics (AHFE), Las Vegas, 26-30, July, 2015.
7. Alhogail, A., and, Mirza, A., Organizational Information Security Culture Assessment. In proceedings of International Conference on Security and Management (SAM 2015), Las Vegas, 27-30, July, 2015.
8. Mirza, A., A Comparison between EFQUEL's and Saudi Arabian MOHE's Quality & Accreditation Standards of Distance Learning Programs, 7th International Conference of Education, Research and Innovation (ICERI 2014), Seville, Spain, Nov. 17-19, 2014.
9. Afzal, A., Al-Subaiee, F., and, Mirza, A., Importance of different communication tools as perceived by extension workers for establishing E-extension services in the Kingdom of Saudi Arabia, The 2nd International Conference on Food and Agricultural Sciences, Auckland, New Zealand, Nov. 12-13, 2014.
10. Alhogail, A., and, Mirza, A., A Proposal of an Organizational Information Security Culture Framework, The 8th International Conference on Information, Communication Technology and System (ICTS 2014), Surabaya, Indonesia, Sept. 24-25, 2014.
11. AlSuwaidan, L., and, Mirza, A., An Investigation of User Preferences of Mobile Commerce Interface Design in Saudi Arabia, 11th International Conference on Mobile Web Information Systems (MobiWIS 2014), Barcelona, Spain, Aug. 27-29, 2014.
12. Sajid Y. Bhat, Muhammad Abulaish, and Abdulrahman A. Mirza, Spammer Classification using Ensemble Methods Over Structural Social Network Features, In Proceedings of the IEEE/WIC/ACM International Conference on Web Intelligence, Warsaw, Poland, Aug. 11-14, 2014, pp. 454-458

13. Mirza, A., Delivering Ethical Values to E-Business Students through Religious Teachings, 8th International Technology, Education and Development Conference (INTED), Valencia, Spain, March 10-12, 2014.
14. Alhogail, A., & Mirza, A. (2014). Information security culture: a definition and a literature review. In proceedings of IEEE World Congress on Computer Applications and Information Systems, Hammamet, Tunisia, 17-19 Jan., 2014.
15. Alballaa, H., and Mirza, A., Factors Influencing Online Word-of-Mouth in Virtual Communities in Saudi Arabia, SWDSI 2013, Albuquerque, NM, USA, March 12-16, 2013.
16. Alhakbani, N., and, Mirza, A., Recommender Systems Position and Orientation Study in E-commerce Websites, 22nd Workshop on Information Technologies and Systems, Orlando, FL., USA, December 15-16, 2012.
17. Mirza, A., Reflecting on Religious Principles for Teaching Ethical Values in an E-Business Course, The Proceedings of the Information Systems Education Conference, v.29 n.2086, New Orleans, LA, USA, Oct. 30 - Nov. 4, 2012.
18. Mahmud, M., Waqar, M., Mirza, A., and Bin Abdullah, A., "Efficient Securing of Iris Image Template by Using Grayscale Level Incremented/Decrement Method," 9th International Conference on Information Technology: New Generations, Las Vegas, NV., USA, April 14-16, 2012.
19. Alotaibi, S., and, Mirza, A., Hybrid Approach for Automatic Short Answer Marking, Southwest Decision Sciences 43rd Annual Meeting, New Orleans, LA. USA, Feb. 29 – Mar. 3, 2012.
20. Alrasheed, A., and Mirza, A., "Attitudes Towards E-Travel Services in Saudi Arabia," 2nd International Conference on E-business, Management and Economics, Dubai, UAE, December 28-30, 2011.
21. AlHogail, A., and Mirza, A., "An Effective Change Management to Support the Implementation of a Virtual Learning Environment (VLE) In a Higher Education Institution," E-Learn 2011-World Conference on E-Learning in Corporate, Government, Healthcare, and Higher Education, Honolulu, Hawaii, USA, October 18-21, 2011
22. Al-Tamimi, H., and Mirza, A., "Reasons for Failure of ERP Systems Enterprise Application Integration," 10th International Conference on e-Learning, e-Business, Enterprise Information Systems, and e-Government (EEE 2011), Las Vegas, NV., USA, July 18-21, 2011.
23. ElGibreen, H., and Mirza, A., "Group Profiling in E-Service Portals," 10th International Conference on e-Learning, e-Business, Enterprise Information Systems, and e-Government (EEE 2011), Las Vegas, NV., USA, July 18-21, 2011.
24. Alwatban, I., and Mirza, A., "Proposed Model for E-commerce Distributed Data Mining based on SOAP and Ontology," 10th International Conference on e-Learning, e-Business, Enterprise Information Systems, and e-Government (EEE 2011), Las Vegas, NV., USA, July 18-21, 2011.
25. Alturkistani, F., and Mirza, A., "Analyzing the Security Mechanisms of Online Banking Services in Saudi Arabia (Case study)," 10th International Conference on e-Learning, e-Business, Enterprise Information Systems, and e-Government (EEE 2011), Las Vegas, NV., USA, July 18-21, 2011.
26. Alabduljabbar, R., and Mirza, A., "Identification of Major Factors for Successful Online Marketing through Social Networking in Saudi Arabia," 10th International Conference on e-Learning, e-Business, Enterprise Information Systems, and e-Government (EEE 2011), Las Vegas, NV., USA, July 18-21, 2011.
27. Alotaibi, S., and Mirza, A., "Integrated Techniques for Automatic Short Answer Marking Through Information Extraction and Decision Tree Learning," 10th International Conference on e-Learning, e-Business, Enterprise Information Systems, and e-Government (EEE 2011), Las Vegas, NV., USA, July 18-21, 2011.
28. Al Rasheed, A., and Mirza, A., "Success of E-Travel Services among Saudi Arabian Travelers," 10th International Conference on e-Learning, e-Business, Enterprise Information Systems, and e-Government (EEE 2011), Las Vegas, NV., USA, July 18-21, 2011.
29. Al-Husain, L., and Mirza, A., "A Survey of Online Collaboration Tools," 12th International Conference on Internet Computing (ICOMP 2011), Las Vegas, NV., USA, July 18-21, 2011.
30. AlRowaily, K., Alrubaiian, M., and Mirza, A., "Using Mouse Movements in the Authentication Process as Behavioral Authentication Technique," 12th International Conference on Internet Computing (ICOMP 2011), Las Vegas, NV., USA, July 18-21, 2011.

31. Assiri, A., and Mirza, A., "Causes of Mistrust and the Most Effective Authentication Tools for Improving Saudi Arabian Consumers' Willingness to Participate in E-commerce," 12th International Conference on Internet Computing (ICOMP 2011), Las Vegas, NV., USA, July 18-21, 2011.
32. AlRowaily, K., Alrubaian, M., and Mirza, A., "Smart Phones Security - Touch Screen Smudge Attack," 10th International Conference on Security and Management (SAM 2011), Las Vegas, NV., USA, July 18-21, 2011.
33. Al-Wabel, A, and, Mirza, A., "Towards Developing a Framework for Managing an Information Security Policy in Healthcare Organizations," Midwest Association for Information Systems Conference, Omaha, Nebraska, USA, May 20-21, 2011.
34. Mirza, A., Al-Majed, M., and, Al-Hamidi, R., "Level of Participation of Healthcare Professionals in Online Learning & Knowledge Sharing," AHLiST Conference, Houston, Texas, USA, May 20-22, 2011.
35. Nabi, S., Mirza, A., and Alghathbar, K., "A Comparison Between IT Workers and End-Users Outlook on the Soundness of Information Security Measures in Saudi Arabian Organizations", In Proceedings of the Fourth Annual AIS SIGSEC Workshop on Information Security & Privacy (WISP 2010), St Louis, Missouri, USA., December 12, 2010
36. Mirza, A., Altwaijry, H., "Determining the Best Plan to Launch the Saudi Virtual University," Proceedings of IFIP 8.2/Organizations and Society in Information Systems (OASIS) . Sprouts: Working Papers on Information Systems, 10(97). <http://sprouts.aisnet.org/10-97>, 2010
37. Mirza, A., "Critical Success and Failure Factors in a Charitable Organization's Systems Development and Adoption," 16th Americas Conference on Information Systems, Lima, Peru, August 12-15, 2010.
38. Mahmud, M, Mirza, A., Ullah, I, and Khan, N, "Enhanced Technique for Secure Sensor Routing with Respect to Energy Conservation," Information Security & Assurance conference, Miyazaki, Japan, June 23-25, 2010.
39. Nabi, S., Mirza, A., and Alghathbar, K., 'Information Assurance in Saudi Organizations,' Jeju Island, South Korea, International Conference on Security Technologies (SECTECH'10), Jeju Island, South Korea, December 13-15, 2010.
40. Mirza, A. and Al-Abdulkareem, M., "Internet and E-Learning Diffusion in the Middle East for Overcoming Cultural and Learning Barriers," Eleventh Annual Global Information Technology Management (GITMA) World Conference, Washington, D.C., USA, June 20-22, 2010
41. Mirza, A. and Alghathbar, K., "Acceptance and Applications of Smart Cards Technology in University Settings," The 8th International Conference on Pervasive Intelligence and Computing (PICom 2009), Chengdu, China, December 12-14, 2009
42. Mirza, A., "Developing University E-Content Through Incentives Almost Overnight, the Case of King Saud University," ED-MEDIA 2009, Honolulu, HI, USA, June 22-26, 2009.
43. Mirza, A., "A Proposed National Data Warehouse for the Enhancement of the Saudi Educational System," 2nd National Information Technology Symposium, Riyadh, May 2008.
44. Mirza, A., "National Educational Strategy Enhancement Through a Proposed Data Warehousing System," the 12th IASTED International Conference on Internet and Multimedia Systems and Applications, Kailua-Kona, Hawaii, USA, Aug. 2008.
45. Mirza, A., "Level of E-Business Adoption by IS Students in King Saud University," the 10th International Business Information Management (IBIMA) Conference on Innovation and Knowledge Management in Business Globalization, Kuala Lumpur, Malaysia, June – July 2008.
46. Mirza, A., "Deriving Knowledge About Most Desirable E-Commerce IT Skills from Web-based Job Search Sites," the 10th International Business Information Management (IBIMA) Conference on Innovation and Knowledge Management in Business Globalization, Kuala Lumpur, Malaysia, June – July 2008.
47. Mirza, A., "Students' Perceived Barriers to In-Class Participation in a Distributed and Gender Segregated Educational Environment," ISECON 2007, Pittsburgh, PA, Nov. 2007.
48. Mirza, A., "Utilizing Distance Learning Technologies to Deliver Courses in a Segregated Educational Environment," Ed-Media 2007 Conference, Vancouver, CA., June 2007.
49. Mirza, A., "A Web Based Inventory Management Decision Support System," Decision Sciences Institute Conference, San Antonio, TX., November 2006.
50. Mirza, A., "IT Skills in E-Commerce Jobs", Information Resources Management Association Conference (IRMA 2005), San Diego, CA., May 2005.

51. Mirza, A., "Learn as You Solve – Inventory Models Web Solver," 5th International Workshop on Management of Information on the Web, part of the 15th International Conference on Database and Expert Systems Applications (DEXA '04), Zaragoza, Spain, August-September 2004.
52. Mirza, A., "E-Commerce skills requirements in online job advertisements," The 3rd International Conference on Electronic Business (ICEB 2003), Singapore, December 2003.
53. Chan, S. & Mirza, A., "Towards Defining IT Skills Portfolio for E-Business," presented in the 14th Information Resources Management Association (IRMA) International Conference, Philadelphia, PA., May 2003.
54. Mirza, A. "Project Management over the Internet," World Conference on the WWW and Internet 2000 (WebNet 2000), San Antonio, TX, USA, October 2000.
55. Mirza, A. "Saudi Arabia and the Internet Technology," World Conference on the WWW and Internet 98 (WebNet 98), Orlando, FL, USA, November 1998.
56. Mirza, A. "Adding Life to Web Pages with Dynamic HTML", Computer Networks and Distributed Databases Conference, Saudi Computer Society, Riyadh, Saudi Arabia, March 1998.
57. Burnstein, I., Roberson, K., Saner, F., Mirza, A., and Tubaishat, A. A Role for Chunking and Fuzzy Reasoning in a Program Comprehension and Debugging Tool, IEEE Proceedings of the International Conference on Tools with Artificial Intelligence, New Port Beach, CA, USA, November 1997.
58. Burnstein, I., Mirza, A., Roberson, K., Saner, F., and Tubaishat, A. "Knowledge Engineering for Automated Program Recognition and Fault Localization," Eighth International Conference on Software Engineering and Knowledge Engineering, Lake Tahoe, UT, USA, August 1996.
59. Mirza, A. "PROTRAN: An Intelligent, Rule-Based Program Transformation System," Midwest AI and Cognitive Science Society Conference '96. Bloomington, IN, USA, April 1996.
60. Burnstein, I., Tubaishat, A., Mirza, A., Roberson, K., and Sanchez, A. "Knowledge Engineering for Automated Software Fault Localization," Midwest AI and Cognitive Science Society Conference '95. Carbondale, IL, USA, April 1995.

Non-refereed Publications/Articles

1. Mirza, A., "I studied in the USA", KSU News Paper, several articles describing different experiences during my life as a student in the US, 2008-2009.
2. Mirza, A., "Is E-Learning Finally Gaining Legitimacy in Saudi Arabia?" Saudi Computer Journal, Vol. 6, No. 2, 2008.
3. Mirza, A., "Stages of e-government development and factors of successful implementation," (Arabic) Windows of Technology Magazine, No. 5, 2008.
4. Mirza, A., "Internet Review – Health Portals, Here and There," Saudi Computer Journal, Vol. 5, No. 2, 2006, pp. 62 – 63.
5. Mirza, A., "Internet Review - Intertul - An ERP Application Service Provider," Saudi Computer Journal, Vol. 3, No. 2, 2005, pp. 67 - 68.
6. Mirza, A., "Internet Review – Saudi Arabian Airlines vs. United Airlines Websites," Saudi Computer Journal, Vol. 3, No. 1, 2004, pp. 50 – 53.
7. Mirza, A., "Internet Review – Online Billing and Payments", Saudi Computer Journal, Vol. 2, No. 2, 2004, pp. 54 – 57.
8. Mirza, A., "My Experience at DePaul University as a Fulbright Scholar," CCIS News Letter, No. 6, 2004, pp. 13 - 15.
9. Mirza, A., "Research Highlights – E-Commerce, E-Business, and C-Commerce – A Decade of Technological Revolution," Saudi Computer Journal, Vol. 1, No. 2, 2003, pp. 56 – 59.
10. Mirza, A., "Getting Paid Through the Internet," CCIS News Letter, No. 3, 2000.

Promotion & Paper Reviews

- Reviewer of many faculty promotion applications in information systems programs at other Saudi Arabian universities.
- Reviewer of many papers submitted for publication in conferences and books, both at the local and the international levels.

Translations

English to Arabic Translations (2009)

Book Title: E-Business Matters: A guide for small and medium-sized enterprises

- Authors: Jonathan Whelan and Ken Maxelon
- Publisher: Prentice Hall, 2001

Arabic to English Translations (2002)

Document Title: Information and Communications Technology in the Kingdom of Saudi Arabia

- On behalf of the Ministry of Communication and Information Technology

Conducted Tutorials in Conferences

1. Developing Dynamic Web Pages with DHTML, World Conference on the WWW and Internet '2000 (WebNet 2000), San Antonio, Texas, USA, October 2000.
2. Developing Dynamic Web Pages with DHTML, World Conference on the WWW and Internet '99 (WebNet 99), Honolulu, Hawaii, USA, November 1999.

Symposium Presentations

- Building Students Emotional Intelligence in eLearning, Digital Education Show, Nov. 2016.
- Enhancing interpersonal skills and emotional intelligence: What are the best methodologies for teaching relationship-building in the classroom? In Bett Middle East, April 2016.
- Health Fields Uses of the Internet, 2nd Symposium on Computer and Information Technology in the Health Field, King Faisal Specialist Hospital and Research Center, Riyadh, Saudi Arabia, February 1998.

Recommendations

- Previous Minister of Higher Education (Dr. Khaled Alsabti).
- Previous Minister of Education (Dr. Azzam Aldakhyel).
- Previous Deputy of Planning and Development, MOE (Dr. Nayyaf Aljabri).
- Previous Deputy of School Affairs, MOE (Dr. Abdulrahman Omar Albarrak).
- By students, employees, and colleagues at: <http://www.linkedin.com/in/abdulrahmanmirza>