



Hana Abdullah Ali Alnuaim

Professor in Computer Science

University Vice President for Women Campuses

King Abdulaziz University

(966) 126952057

hnuaim@kau.edu.sa

www.hnuaim.kau.edu.sa

EDUCATION

BACHELORS IN COMPUTER SCIENCE - CUM LAUD 1987

UNIVERSITY OF TEXAS, AUSTIN, TEXAS, USA

MASTERS IN COMPUTER SCIENCE 1994

GEORGE WASHINGTON UNIVERSITY, WASHINGTON D.C, USA

DOCTOR OF SCIENCE IN COMPUTER SCIENCE 2000

GEORGE WASHINGTON UNIVERSITY, WASHINGTON D.C, USA

Thesis Title: The Design and Development of the Multimedia User Interface for Usability Evaluation Tool tested within the Context of Web-Based Courseware

CAREER

1988 – 1992: Teacher Assistant in the Computer Science Department. King Abdulaziz University, Jeddah, Saudi Arabia.

1997: Update of Author base (Database for Authoring Tools). National Institute of Health. Bethesda, Maryland, USA

1998: Internship in STI Computer Based Training Company, Falls church, VA, USA

2000 --- 2005: Head of the Women's Computer Science Department, King Abdulaziz University (KAU) Jeddah.

2001--- 2012: Assistant Professor in Computer Science, King Abdulaziz University (KAU) Jeddah, Saudi Arabia.

2005 --- 2009: First Vice Dean for Distance Learning (DDL) to launch the Deanship in the Women Campuses.

2009 --- 2018: Dean of Women's Campuses, King Abdulaziz University.

2009 --- 2014: Acting Dean for the School of Home Economics, King Abdulaziz University.

2012 --- 2018: Associate Professor in Computer Science, King Abdulaziz University Jeddah, Saudi Arabia.

2015 ---- 2016: Acting Dean of Women's Campus, Jeddah University to establish the first Female Campuses for the university.

2018 -- Today: Professor in Computer Science, King Abdulaziz University Jeddah, Saudi Arabia.

2018 -- Today: University Vice President for Women Campuses.

TEACHING EXPERIENCE

Undergraduates: Introduction to Computer Science, Introduction to Programming, Data Structures, Operating Systems, Program Documentation and Report Writing, Multimedia, Principles of User Interfaces, Web-Based Design and Usability Testing, Human Computer Interaction.

Master and PhD: Seminar (Research Methods) in Computer Science

2003-.....: Local supervisor for 4 Ph.D. students as part of the Joint Supervision program between KAU and UK Universities.

2005-2017: Supervisor of 9 Master students in Computer Science in King Abdulaziz University

2009-2015: Local supervisor of a PhD student in London Metropolitan (UK).

2013-2018: Supervisor for the first KAU female PhD student in the Faculty of Computing and Information Technology

PHD THESIS TITLES:

1. "The Design, Implementation, and Evaluation of a Desktop Virtual Reality for Teaching Numeracy concepts Via Virtual Manipulatives".
2. "Difficulties in Learning and Teaching to Program Object Oriented Programming Concepts in Computer Science Higher Educational Community".
3. "Web Engineering for the Evaluation of Large Complex Web Systems: Methodologies in Web Metrics"
4. "The Development and Comparison of Arabic Sign Gesture Recognition Models".
5. " Detection of Cyberbullying on Social Media USING Deep Learning and Emojis Sentiment Analysis".

MASTER THESIS TITLES:

1. "The Use of a 3D Visualization Tool (ALICE) to Teach Novices Concepts in Object Oriented Programming."
2. "The Use of Computer Forensics as an Aid to Fight Cyber Terrorism."
3. "The Application of Human Computer Interaction Principles on Medical Software: A case Study: The Phoenix Health Information System in King Abdul Aziz University Hospital."

4. "A Usability Evaluation Framework for Saudi E-Government Websites."
5. "Design of a Context-Aware User-Interface in Mobile Learning."
6. "A User Perceived Quality Assessment of Lossy Compressed Images."
7. "The Use of Wireless Technology to Support Citizen E-Participation for Urban Planning."
8. "Use of Augmented Reality as Assistive Services for Pilgrims."
9. "The Design of Context Aware Mobile Government E-services."
10. "The Design, Implementation, and Evaluation of a Desktop Virtual Reality for Teaching Numeracy concepts Via Virtual Manipulatives"

UNDERGRADUATE PROJECTS:

2000-2006: Supervisor for more than 25 graduation researches in Computer Science Department, King Abdul Aziz University, Saudi Arabia.

1. CUDS program for heart surgery at the King Fahd Armed Forces Hospital, Best Approach Award, Imagine Cup, Microsoft Arabia 2006.
2. Deanship of Distance Learning Website, the most professional Web Application Award, Imagine Cup, Microsoft Arabia 2007.

PROFESSIONAL MEMBERSHIPS IN INTERNATIONAL AND NATIONAL ORGANIZATIONS

1994- 2006: Member of the ACM .

1994- 2003: Member of IEEE .

2010-2017: Member of the 2010 KCWS Executive Committee.

2011-2015: Member of the World Capitol Institute International Advisory Board (IAB). The WCI an independent international think tank whose purpose is to further the understanding and application of knowledge for cities and economies.

2013 -2018: Part-time advisor for the Saudi Electronic University (Jeddah Chapter).

2016-2017: Member of the founding team of English Language Center at Princess Noura University, Riyadh.

BOARDS AND COUNCILS

2011-2020: Member of the English Language Institute council.

2015-.....: Member faculty of Engineering college council.

2016 - 2017: Member of the consulting team for establishing an English Language Institute in Princess Nora University, Riyadh.

2018: KAU International Advisory Board annual meetings.

2018: International Advisory Board conference, "The Innovation Role of KAU in "NEOM" Mega-City", 20-21 October.

2019: International Advisory Board conference, "Enhancing the KAU Educational Outcome to Align with the Labor Market According to the Saudi Vision 2030" 19-20 October.

2020: Board member of Tatmeen Alsaudia Investments and projects Comapany.

LANGUAGES

Fluent in Arabic and English.

PROGRAMMING LANGUAGES

Pascal, ADA, C++, Multimedia Authoring Systems, HTML, JavaScript, JAVA.

CONFERENCES, SEMINARS AND SYMPOSIUMS (ATTENDANCE):

1998: Salt Conference (the Society for Applied Learning Technology). Orlando Multimedia. Orlando, FL. USA.

1999: International Conference on Human Computer Interaction. Munich, German.

2004: The second Symposium on Teaching and Technology. Effat College.

2005: Member of KAU's female delegates to attend Jeddah's Economic Forum.

2006: Member of KAU's female delegates to attend Jeddah's Economic Forum.

2006: The use of Electronic Databases by Edutech. King Abdulaziz University.

2006: Workshop: ISO and its Different Systems, King Abdulaziz University.

2006: The International Conference on Distance Learning (ICODE 2006). Sultan Qaboos University, Muscat, Oman, March 26-27.

2006: An Orientation Program for Nanotechnology, King Abdulaziz University.

2007: The Fourth Discussion Seminar of E-learning and Distance Education, Towards a Better Understanding. Riyadh, Dec 4-5.

2008: "Special Academic Partnerships Technical Symposium", Jeddah, Saudi Arabia, Oct 14-15.

2008: CCIT2 Fifth International Conference on Computer and Instructional Technology, Venice, Italy, 15-17 October.

2008: Knowledge Cities, Third International Symposium, Istanbul, Turkey, 17-19 November.

2009: CeBIT world's largest trade fair showcasing digital IT and telecommunications solutions, Hannover, Germany, 3-8 March.

2009: "Rehabilitation in the Balance", The Fifth conference for the Barriers to children's growth, Jeddah, Saudi Arabia, 7 April.

2009: Campus Technology Conference. Boston, USA, 3-27 July.

- 2010: CeBIT world's largest trade fair showcasing digital IT and telecommunications solutions, Hannover, Germany, 2-6 March.
- 2011: Interact 2011 13th IFIP TC13 Conference on Human-Computer Interaction, Lisbon, Portugal.
- 2013: CHI 2013: The ACM SIGCHI Conference on Human Factors in Computing Systems is the premier international conference on human-computer interaction, Paris, France.
- 2013: CeBIT world's largest trade fair showcasing digital IT and telecommunications solutions, Hannover, Germany.
- 2013: Invited by NEC-Japan to attend NEC's Tokyo IEXPO, Japan.
- 2014: The Fifth Scientific Conference for Higher Education students, Riyadh, Saudi Arabia, 28 April - 1st May.
- 2015: Saudi Arabia Smart Grid 2015, Jeddah, Saudi Arabia, 7-9 December.
- 2017: Workshop on "Global Partnerships for Development", King Abdulaziz University, International Agreements, Jeddah.
- 2018: QS in conversation. "University Rankings and International Migrant Scholars". London, UK.
- 2019: Bett: largest industry exhibit for educational technology and EdTech startups, London, UK.
- 2019: Invited to attend the 2030 Vision's Management Development conference, Institute of Public Administration, Riyadh.
- 2019: A Kind invitation from his highness Prince Khalid bin Faisal Al Saud Governor of Makkah Province in Saudi Arabia the Adviser to his highness King Salman bin Abdulaziz Al Saud, to attended FIKR 17 DHAHRAN 2019, "Towards New Arabic Thought", Dhahran.
- 2019: Invited to attend QS REIMAGINE EDUCATION CONFERENCE & AWARDS, London, UK.
- 2019: Third Vice Presidents' Summit of Vice Presidency for Female Affairs (Student Affairs' Strategic Planning). Jouf University, Jouf, KSA.
- 2020: THE (Times Higher Education) Digital Transformation Virtual Forum, Kazan Federal University, Russia.

SCIENTIFIC CONFERENCES AND SYMPOSIUMS (PARTICIPATION):

- 2000: "How to Conduct Research on the Internet (Presentation. KAU's Technology week
- 2003: Web-Site Accessibility (Presentation). Conference on Developmental Disability: King Faisal Hospital & Research Center, Jeddah.
- 2003: Supervising Distance learning Courses (Presentation), King Abdulaziz University Jeddah, Saudi Arabia.
- 2004: The use of Multimedia to improve Hearing in Disabled Children (The Castle Project) (Poster). The second conference on Barriers to development in children. King Faisal Hospital. Jeddah, Saudi Arabia.
- 2004: Invitation from King Faisal Hospital & Research Center Riyadh to speak at The first Symposium on "The Scientific Achievements of Female Scientist in the Gulf ". " The obstacles facing the female scientist in the Gulf region regarding scientific research and how to overcome them".
- 2004: Member of the 5 female scientist of the Saudi Ministry of Higher Education delegation in "The International Conference for Women in Science: is the Glass Ceiling Broke" Organized by Nistad (The National Institute of Science and Development Studies. New Delhi, India.

- 2005: Participation in the Launch of the Arab Network for Women in Science. Arabian Gulf University: Bahrain
- 2005: Opening Ceremony Lecture: The Culture of Technology. Part of the National Guards' Cultural week. "Jnadriah".
- 2005: Invited by the UNDP in Riyadh Saudi Arabia to attend a Conference on "Women's Empowerment" Millennium Development Goals and Women, UN, Dec 17-19.
- 2006: Invited by Um AlQura University as Guest speaker for "KAU's Experience in Online Learning".
- 2006: "Usage Trends of ICT in the Arab World". Cultural Week. Organized by KAU Deanship of Libraries.
- 2007: How "E" are Arab Municipalities? An Evaluation of Arab Capital Municipal Web Sites. Marrakech, Morocco, July 4-7.
- 2007: "Email Forensics: Tools to Trace Spoofed Email". Hadeel Ismail and Hana Al-Nuaim. Information Technology & National Security Conference. Riyadh, Saudi Arabia, December 1-4.
- 2009: "The State of Saudi E-Government: An Evolution of Saudi E- Ministries". The Second knowledge Cities Summit. Shenzhen, China, November 5-7.
- "The University as an Incubator for Knowledge City Stimulants". The Second knowledge Cities Summit. Shenzhen, China, November 5-7.
- 2009: Global Higher Education Forum (GHEF), "King Abdulaziz University's Unique Collaborative Approach for Online Undergraduate Degrees", Penang, Malaysia, 13- 16 December.
- 2010: "The Use of Mobile Technology for Crowd Management in Cities: The Case of Safe Pilgrim Mobility in the Holy City of Makkah", Melbourne 2010 Knowledge Cities World Summit, Melbourne, Australia, 16-19 November.
- 2012: IFKAD- KCWS 2012, "Challenges of Designing Context-Aware M-Government for Citizen Participation", Matera, Italy, 13-15 June.
- 2013: "Women's Higher Education Symposium: Growth to Competition", Riyadh, 13-15 January.
- 2013: "Administrative Leadership of Higher Education Institutions: Reframing Academics" Leadership, Khobar, KSA.
- 2014: 11th Q-S APPLE, "Improving the educational system: A communication challenge between KAU and the Market". Eleventh QS Asia Pacific Professional Leaders in Education Conference and Exhibition. Melbourne: Australia.
- 2016: QS in Conversation. "Equality and Inclusion: KAU's Unique Approach to Educational Empowerment of Females on Gender-Segregated Campuses". Advancing Female Leadership through Higher Education. Milan: Italy
- 2016: Why Not So Few? Females in STEM at KAU". STEM Education Women in The Forefront For Innovation. 31 May, 1st June. Warsaw, Poland
- 2017: Conference and Exhibition (QS in conversation) during the period, 13-15 February, Jaipur, India.
- 2017: THE World Academic Summit in a panel discussion "Diversity in Leadership" , 4-6 November, London, UK.
- 2018: "Women's Leadership Development", King Saud University, 22-23 January. Riyadh.
- 2018: THE Mena Universities Summit, King Abdulaziz University. 19-22 March.

- 2018: Lead the female student delegation to the Geneva International Innovation Fair (Palexpo), Geneva, Switzerland, 9-11 April.
- 2019: Education Session chair for Women Empowering Conference: "The 2030 vision's Horizon and its Challenges", under the patronage of his highness Prince Meshaal Bin Abdulaziz Al Suad, Jeddah's governor, 11-13 February.
- 2019: Speaker at THE Young Universities Summit, "Embracing risk, creating opportunities". Guildford, United Kingdom, 26-28 June.
- 2019: Speaker at the QS Worldwide conference, "The high stakes of administrating exams for KAU's foundation year: success and challenges" Almaty, Kazakhstan, (19-20) September.
- 2019: Third Vice Presidents' Summit of Student Affairs Deanships, (Student Affairs' Strategic Planning). Jouf University, Jouf, KSA.
- 2020: Spokesperson of KAU's Women's Campuses at Imam Abulrahman Bin Faisal University First Saudi Academic Leaders Forum association with King Abdullah University of Science and Technology.
- 2020: Webinar hosted by King Khalid University, First Female leaders Forum of Saudi Universities on the Corona Virus Crisis.
- 2020: Chairwoman bored of "King Abdulaziz University Financial Sustainability First Forum in view of Universities' New Regulations", Vice presidency for business and Knowledge creativity, kAU, KSA, 2nd December.

TRAINING COURSES AND WORKSHOPS:

- 2002: Certificate in "Train the Trainer" workshop. Center for Faculty Development at KAU
- 2002: Nielsen Norman Group's User Experience 2002 conference. Sydney, Australia (5 Workshops).
- 2004: Research, Find, Analyze and Apply Information, Skills for and e-learning Facilitator (attended 1 workshop).
- 2005: Nielsen Norman Group's User Experience. New York, NY: USA (5 Workshops).
- 2005: Workshop on Introduction of Unique Experiences in KAU. Jeddah.
- 2005: Workshop on Methods for Activating Prince Abdullah Bin Abdulaziz's Document on Higher Education.
- 2005: Workshop On "E-Learning in Saudi Universities: share of Experience". Ministry of Higher Education 14 Dec.
- 2005: Academic Leadership Development workshop. Jeddah Commerce Chamber, Jeddah.
- 2006: "Learning and Technology "Bridging the Divide" The Fourth Annual Symposium", Effat College, Jeddah.
- 2006: Participation in a workshop entitled "The reality of post graduate studies and scholarships in Saudi universities and girls colleges" under the project of the future plan for university education in Saudi Arabia (Horizons study) and the organization by the Deanship of Graduate Studies in (8/5/1427).
- 2006: Think Based Learning. Certified Trainer. As part of KAU's Faculty Development Programs. Conducted by Robert Swartz. The National Center for Teaching Thinking. Newton Centre, Massachusetts, USA.
- 2006: When you are not lecturing: Using Activities in the Classroom. Center for Faculty Development at KAU

- 2006: Learning to Lead. By James Davis. Center for Faculty Development at KAU.
- 2007: Student Evaluation and Assessment Methods. Human Development Sector Middle East and North Africa Region, The World Bank. Jeddah
- 2010: Academic Leadership of Women in Higher, KAU, Jeddah.
- 2010: "Transport and Crowd Management Workshop 2010" Center of Research Excellence in Hajj and Omrah (C O R E), Jeddah.
- 2010: Knowledge Network Database (ISI Web of Knowledge), Olom Almaarif Institute, Saudi Arabia.
- 2010: "Wadi Jeddah Parameters for Success Partnership and Vision", KAU, Jeddah.
- 2010: LMI, "Effective Personal productivity", (7 sessions) Jeddah, Saudi Arabia Sep -Nov.
- 2011: INTERACT 2011: Tutorial: Context- Aware Adaption of Use Interfaces. & Workshop: Human Work Interaction Design for e-Government and Public Information Systems.
- 2012: "Today's Student is Tomorrow's Researcher", Ministry of Education of Saudi Arabia, Jeddah.
- 2014: "Reframing the concept of Academic Leadership" by Prof. Lee Bolman, "Roundtable Meeting", training for Ministry of Higher Education, Institute of Public Administration, Al-Khobar, Saudi Arabia.
- 2015: A personal and all-expenses paid invitation to attend Inter-Knowledge Europe's workshop: Leader's Journey to High-Tech and Entrepreneurial Journey. Nicosia, Cyprus.
- 2016: Academic Leadership Development Workshop, "The Interpersonal and Strategic Bases for Effective Leadership", Jeddah.
- 2017: Workshop on Modernizing the Strategy of the Makkah Region and Adapting it to Vision 2030.
- 2018: Human Capacity Development Workshop (2030 vision of KSA), Riyadh.
- 2019: Higher education leaders and Technical and Vocational Training Cooperation, KAU, Jeddah.
- 2019: Higher Education Leaders, Islamic University of Madinah.

WORKSHOPS WHICH I CONDUCTED FOR FACULTY

- 2000: How to conduct research using the Internet.
- 2001: How to use the Internet as a tool to improve course development.
- 2002: How to engage learners while lecturing.
- 2003: How to be an effective lecturer.
- 2004: Essential elements for an online course and how to transfer it online (held twice a year).
- 2005-2006:
- The use of the Internet as a tool to develop scientific courses (held twice a year).
- 2006-2007:
- Program Director and facilitator for a 6 week workshop (3 weeks online and 3 weeks Face to face in KAU) on Online and Blended Learning. Conducted by Future University training Company, San Francisco, CA.

USA. The workshop was part of Faculty Development Programs that won approval from Ministry of Higher Education.

2007-2008:

Hired by Alqaseem University to Train Faculty in Instructional Design: Educational Technologies and Assessment. As part of Faculty Development Programs that won approval from Ministry of Higher Education. Three workshops were conducted in Alqaseem, Taif, and Hail (2007-2008).

2009: Workshop "Email etiquette and Ethics" for graduate students. King Fahad Research Center.

2014: Workshop "Faculty needs assessment for recruitment", Princess Nora University, Riyadh.

2018: Guest speaker "Experienced Academic Leaders" Taif University.

2019: Guest speaker with Alqaseem University's female leadership.

AWARDS:

2000: Prince Bender Bin Sultan award for honor Ph.D. students, the Saudi ambassador in Washington.

2005: Voted Best-Distinguished Faculty of Computer Science, School of Sciences.

2006: Voted Best-Distinguished Faculty of Computer Science, School of Computer and Information Technology.

2006: Supervisor of the project "The CUDS system" for the heart surgery department. Military hospital, in Jeddah: which won Imagine Cup, Microsoft Arabia 2006: Best Approach Award.

2007: Supervisor of Deanship of Distance Learning website. Won Imagine Cup, Microsoft Arabia 2007: most professional website.

2010: Best Distinguished Faculty award of Computing and Information Technology.

2016: Medal of Excellence of "My University, is My Community ", KAU.

2017: Outstanding performance in mentoring role within the professional development diploma program for the university teacher.

RESEARCH REVIEWER (JOURNALS, CONFERENCES, FACULTY PROMOTIONS)

2006: Research presented to "Research And Consulting Institute", King Abdul-Aziz University.

2008: Abstracts and Working papers for "The International Conference on Information & Communication Technologies". Damascus, Syria. April 7-11.

2008: Knowledge Cities, Third International Symposium, Istanbul, Turkey, 17-19 November.

2009: Mosharaka International Conference on Communications, Computers and Applications (MIC-CCA 2009). Amman, Jordan.

2009: International Journal of Electronic Government Research (IJEGR).

- 2010: Abstracts and Working papers for “The First scientific Conference for Higher Education Students”, Ministry of Higher education, Riyadh.
- 2010: Knowledge Cities World Summit 2010, Melbourne, Australia.
- 2011: IFKAD 2011 (International Forum on Knowledge Asset Dynamics), Tampere, Finland.
- 2011: Member of the program committee in The Third International Conference on Social Informatics (SocInfo'11) 6 - 8 Oct 2011, Singapore.
- 2011: Reviewer, 4th IEEE International Conference on Computer Science and Information Technology (IEEE ICCSIT 2011) "Chengdu, China.
- 2012: Reviewer, The ACM Special Interest Group on Computer Science Education (SIGCSE), Raleigh, North Carolina.
- 2012: Reviewer, The 14th edition of Mobile HCI, ACM SIGCHI's International Conference on 21 to 24 Sep. 2012, Bay Area, San Francisco, USA.
- 2012: Reviewer, ITICSE2012 - ACM SIGCSE Conference on Innovation and Technology in Computer Science Education.
- 2012: Reviewer, Journal of Convergence Information Technology published by AICIT (Advanced Institute of Convergence Information Technology).
- 2012: Chapter Reviewer: Cases on Usability Engineering: Design and Development of Digital Products, Miguel A.Garcia- Ruiz. Advances in Human and Social Aspects of Technology. ISBN-13: 978-1466640467.
- 2013: Reviewer, ITICSE 2013 - ACM SIGCSE Conference on Innovation and Technology in Computer Science Education, Canterbury, UK.
- 2013: Reviewer, KCWS summit, September, Istanbul, Turkey.
- 2014: Reviewer, INDERSCIENCE: International Journal of Knowledge-Based Development.
- 2016: Reviewer, INDERSCIENCE: International Journal of Knowledge-Based Development.
- 2018: Reviewer, Journal of intelligent Systems.
- 2019: Reviewer, Heliyon Journal, Elsevier.
- 2020: Reviewer, Indian Journal of Science and Technology

PUBLICATIONS

- A detailed study on the obstacles and solutions of applying them to female students (preparatory year) (1430H / 1431H) Deanship of Scientific Research.
- Locatis, C. & Al-Nuaim, H. (1999). Interactive Authoring Systems. Educational Technology Research & Development, Vol. 47, No. 3.
- AL-Nuaim, H. , Al-Nahdi, N. , Alomary, G. , Ahebaishi, L. , Alhebaishi, L. , Khubrany, M. , Alrefai, M. , & Alrefai, R. (2004). The Design, Development and Assessment of the Arabic Accessibility Web Site 1.0. Proceedings of The second Saudi Science conference. Jeddah, KAU.

- Daghestani, L. , Al-Nuaim, H. & Mashat, A. (2004).The Impact of a Virtual Learning Environment in Teaching Mathematical Concepts for Third Grade Students. Proceedings of The second Saudi Science conference. Jeddah, KAU.
- AL-Nuaim, H. (2004) (in Arabic), a Case Study: The Obstacle Facing Employment of Women Computer Science Graduates According to their Qualifications and the Role of Career Day: Conference: Career Day: The Experience and the Results. KAU. Jeddah, Saudi Arabia.
- Ismail, H. & Al-Nuaim, H. (2007). Email Forensics: Tools to Trace Spoofed Email. Information Technology & National Security Conference.
- Al-Nanih, R., Al-Nuaim, H., & Sheffa, A. (2008). Usability of Health Care Information Systems: Lesson learned from Phoenix .proceeding of The International Conference on Information & Communication Technologies: from Theory to Applications – ICTTA & rsquo; 08.
- Daghestani, L., Ward, R., Z.Xu, & Al-Nuaim, H. (2008). The Design, Development and Evaluation of Virtual Reality Learning Environment for Numeracy Concepts Using 3D Virtual Manipulatives. Proceedings of Computer Graphics, Imaging and Visualization – Modern Techniques and Applications – IEEE Computer Society. Penang, Malaysia.
- Bajnaid, N., Cogan, B. , & Al-Nuaim, H. (2008). Software Quality Ontology for Teaching: A Development Methodology's Issues. Published by IEEE communication Society,s Innovation 08.
- Al-Linjawi, A. & Al-Nuaim, H. (2008). Using Alice to Teach Novice Programmers OOP Concepts. Published in the Journal of King Abdulaziz University Science, JKAU: Sci., Vol. 22, No. 1, pp. 59-67.
- Al-Nuaim, H. (2009). How "E" are Arab Municipalities? An Evaluation of Arab Capital Municipal Web Sites. International Journal of Electronic Government Research, Vol. 5, Issue 1, pp. 50-63.
- Al-Nanih, R., Al-Nuaim, H. , & Ormandjieva, O. (2009). New Health Information Systems (HIS) Quality Model based on GQM Approach and HCI Principles, published in the Parallel Session of Usability for Bio and Health Informatics at the 13th International Conference of Human-Computer Interaction, San Diego, CA, USA, July 19-24. Lawrence Erlbaum (Mahwah, NJ) in the conference Proceedings.
- Daghestani, L., Ward, Robert D., Xu, Zhijie & Al-Nuaim, H. (2010). Virtual Reality Potential Role in Numeracy Concepts Using Virtual Manipulatives. In: Proceedings of the Sixth IASTED International Conference Advances in Computer Science and Engineering (ACSE 2010). ACTA Press, Calgary, Canada, pp. 249-255. ISBN 978889868311
- Al-Nuaim, H. (2010) Applied Technology Integration in Governmental Organizations. Weerakkody V.(ED), Evaluation of Arab Municipal Websites (pp. 51- 65), Hershey, PA 17033, USA, Information Science Reference.
- Al-Nuaim, H. (2011). An Evaluation Framework for Saudi E-Government. IBIMA Publishing. Vol. 2011 (2011), Article ID 820912, 12 pages. doi: 10.5171/2011.820912.
- Al- Nuaim, H., Allinjawi ,A., Krause P., & Tang L. (2011), Diagnosing student Learning Problems in Object Oriented Programming. Computer Technology and Application (Journal). Vol. 2, No. 11.
- Al- Nuaim, H. & Abukhodair, N. (2011). A User Perceived Quality Assessment of Lossy Compressed Images. Published in the International Journal of Computer Graphics, SERSC, Republic of Korea.
- Al-Nuaim, H. (2012) The Use of Virtual Classrooms in E-learning: a case study in King Abdulaziz University, Saudi Arabia. Journal of E-Learning and Digital Media. Vol. 9. No. 2. Sage Journals. <http://ldm.sagepub.com/content/9/2/211.abstract>
- Al-Nuaim, H., & Al-Masry, M. (2012) The Use of Mobile Technology Applications for Crisis Management During Hajj, Journal of Occupational Safety and Health, Vol. 9, No. 2. <http://www.niosh.com.my/publication/poster/poster-notes/2-uncategorised/280-niosh-journal-2012>

- Al-Nuaim, H. (2012) Challenges of Designing Context-Aware M-Government for Citizen Participation, proceeding IFKAD-KWCWS 2012, pp 1582-1547.
- Sinnari ,D., & Al-Nuaim, H. (2012) The Use of Mobile Technology for Citizen E-Participation, Springer Journal, Network Digital Technology, Communications in Computer and Information Science Vol. 294, pp. 487-500. <http://link.springer.com/bookseries/7899>
- Daghestani, L., Al-Nuaim, H., Xu, Zhijie, & M.Ragab A. (2012). Interactive Virtual RealityCognitive Learnin Model for Performance Evaluation of Math Manipulatives, Journal of KAU, Computing and Information Technology Sciences,ISSN 1658-6336, Vol. 1, No 1. <http://connection.ebscohost.com/c/articles/98321139/interactive-virtual-reality-cognitive-learning-model-performance-evaluation-math-manipulatives>
- Al-Nuaim, H. (2013). Developing User Profiles for Interactive Online Products in Practice. In: Garcia-Ruiz, Miguel A. ed. Cases on Usability Engineering: Design and Development of Digital Products. IGI Global. <http://www.igi-global.com/teaching-case/developing-user-profiles-interactive-online/76796>
- Al-Nuaim, H. (2014). Context-Aware Mobile Interface Design for M-government, User-Centric Technology Design for Nonprofit and Civic Engagements. In Public Administration and Information Technology Vol. 9, 2014, pp. 171-186. <http://link.springer.com/bookseries/10796>
- Allinjawi ,A., & Al- Nuaim, H., Krause ,P. (2014), An Achievement Degree Analysis Approach to Identifying Learning Problems in Object-Oriented Programming, ACM Transactions on Computing Education (TOCE) Journal, Vol. 14, Issue 3, ACM New York, NY, USA. <http://dl.acm.org/citation.cfm?id=2648794>
- Allinjawi ,A., Al- Nuaim, & H., Krause ,P. (2014), Evaluating the Effectiveness of a 3D Visualization Environment While Learning Object Oriented Programming, Journal of Information Technology and Application in Education Vol. 3, Issue. 2. <https://www.semanticscholar.org/paper/Evaluating-the-Effectiveness-of-a-3D-Visualization-Allinjawi-Al-Nuaim/99daa21c07cfd36db7b4530424e225b5f94bdac4>
- Zahran,D., Al- Nuaim, H., Rutter,M., & Benyon, D.,(2014), A comparative Approach To Web Evaluation And Website Evaluation Methods, International Journal of Public Information Systems, Vol. 10, No. 1. <http://www.ijpis.net/ojs/index.php/IJPIS/article/view/126>
- Al-Nuaim, H. & Al-Harigy, L (2015). User Interface Context of Use Guidelines for Mobile Apps. International Journal of Recent Trends in Human Computer Interaction (IJHCI), Vol. 6. No. 3. <https://www.cscjournals.org/library/manuscriptinfo.php?mc=IJHCI-120>
- Zahran, D., Al-Nuaim, H., Rutter, & M., Benyon, D. (2015) "A Critical Analysis of E-government Evaluation Models at National and Local Municipal Levels", EJEG, The Electronic Journal of e-Government, Vol. 13, No. 1, pp. 28-42. <http://www.ejeg.com/issue/download.html?idArticle=419>
- Al-Nuaim, H. & Al-Harigy, L. (2016) A Usability Analysis of Mobile Apps Developed by Website Builder Tools" International Journal of Modern Engineering Research (IJMER). Vol. 6, No. 2. www.ijmer.com/papers/Vol6_Issue3/Verson-1/G6314453.pdf
- Almasre, M., Al-Nuaim, H. (2016). A Real-Time Letter Recognition Model for Arabic Sign Language Using Kinect and Leap Motion Controller. International Journal of Advanced management, Engineering and Management. Vol. 2, Issue 5. http://ijaems.com/upload_images/issue_files/1464424114-44%20IJAEMS-MAY-2016-59-A%20RealTime%20Letter%20Recognition%20Model%20for%20Arabic%20Sign%20Language%20Using%20Kinect%20and%20Leap%20Motion%20Controller%20v2.pdf

- Almasre, M., Al-Nuaim, H. (2016). "Recognizing Arabic Sign Language Gestures Using Depth Sensors and a KSVM Classifier". Proceedings of the 2016 8th Computer Science and Electronic Engineering. <http://ieeexplore.ieee.org/document/7835904/>
- Almasre, M., Al-Nuaim, H. (2018). The Validation of Gesture-Based Datasets for Arabic Sign Language. 2018 1st International Conference on Computer Applications & Information Security (ICCAIS). P.1 – 6. <https://ieeexplore.ieee.org/xpl/mostRecentIssue.jsp?punumber=8410645>
- Almasre, M., Al-Nuaim, H. (2020). A comparison of Arabic sign language dynamic gesture recognition models, Volume 6, Issue 3, Heliyon, Elsevier. <https://www.sciencedirect.com/science/article/pii/S2405844020303996#sec4>

COMMITTEES: THIS IS ONLY A PARTIAL LIST OVER THE YEARS

- 2000 - 2009: Member of the committee for continuing Educational Development in KAU.
- 2002 - 2004: Supervisor of KAU electronic university –Women's campus.
- 2002 - 2004: Only female Member of the supervisory team on ALALAMIAH Computer and Technology Institute.
- 2004: Member of the Committee for e-learning strategic planning.
- 2004-2008: Member of the committee for the secretaries of electronic committees.
- 2005: Member of the KAU Support Team for Electronic Learning for the Ministry of Higher Education
- 2005- 2006: Member of the Ministry of Higher Education Project "The Development of Creativity and Exceptional Teaching Abilities for Faculty".
- 2005: Member of the Technical Committee for studying the plan of establishing the Science and Technology Unit for the Ministry of Higher Education.
- 2005-2006: Member of the committee for electronic university programs (Women's Campus).
- 2005-2006: Member of the committee for Computer Science Graduate affairs.
- 2005-2009: Member of the KAU Consulting Committee (Women's Campus).
- 2005-2009: Head of the Internet Unit and technical support in the Center of Faculty Development (Women's Campus).
- 2006-2009: Member of the Committee for Electronic Learning in KAU.
- 2006-2009: Member of the Supervisory committee on the Distance learning program "Intisab. (Female Campus).
- 2007: Member of the supervisory team for launching EMES.
- 2007: Member of the supervisory team for contracts of the faculty of the computer science department, KAU.
- 2008: Member of the supervisory team for developing KAU website (Women's Campus).
- 2008: Member of the Employment Satisfactory Evaluation Committee.
- 2008: Member of the supervisory team for nominating the teacher assistant of the computer science department, KAU.

- 2008: Head of the Executive Committee of Distance Learning program.
- 2008: Member of the Scientific Committee for Jeddah's Technology Future Forum.
- 2008: Member of the Committee for Academic Forum, Continuing Educational Development in KAU.
- 2008: Member of the Committee for Scientific inventions contest, King Abdulaziz University endowment fund.
- 2008: Member of the Supervisory Committee for an" E college" Faculty of Environmental Designs.
- 2009: Member of the Committee for the Business knowledge Alliance.
- 2009: Member of the Higher Committee of the student extracurricular activities.
- 2009: Member of the Higher Committee of the Electronic University.
- 2009: Member of the Supervisory Committee's senior year preparations.
- 2009: ----- Head of KAU vice Dean Advisory Committee.
- 2009: ----- Member of the Deans Advisory Committee.
- 2009: ----- Head of the Executive Committee of the extracurricular activities for female students.
- 2009: ----- Head of the Advisory Committee for female students.
- 2009: ----- Member of the Advisory Committee for Graduate Studies.
- 2009: ----- Head of the Job Rotation committee.
- 2009: ----- Member of the Supervisory Committee for the Foundation Year (Private Program).
- 2009: ----- Member of the Supervisory Committee for Executive Programs.
- 2009: ----- Head of the Executive Preparatory Year Committee.
- 2010: Head of the executive committee of the workshop "Community Collages in Saudi Arabia".
- 2010: Member of the executive supervisory committee for the Seventh Cultural and Scientific Week of Higher Education Institutes and Universities of the Cooperation Council for Arab Gulf States.
- 2010: ----- Member of the executive supervisory committee of "Distance Learning" program.
- 2010: ----- Member of the executive supervisory committee of "Foundation year –executive" program.
- 2010:- ----- Head of executive committee of "Distance Learning" program, freshmen, Distance learning affairs.
- 2010: Member of the executive committee of the Second Scientific Conference for Higher Education Students.
- 2010: Member of the perceptions committee for preparing and hosting the First meeting of the International Advisory Board.
- 2010: ---- Member of the executive committee of Academic Accreditation at KAU.
- 2010: ---- Head of the Disciplinary Committee for KAU Female Students.
- 2010: ---- Head of the Disciplinary Committee for College's branch Female Students.
- 2010: ---- Member of the Higher Committee of Students'' Extracurricular activities

2010-2015: Head of Child Center Council.

2011: ---- Member of the executive supervisory committee for "Distance Learning" program exams in different regions in Saudi Arabia.

2011: ---- Head of the Finance Committee for the Funding at Girls College.

2011: ---- Head of the Finance Committee for the Funding at KAU Girls Colleges.

2011: Head of the coordination and supervisory committee preparing for the "Towards Effective Strategie to Raise the Awareness of the Dangers of Drugs "Conference.

2011: ---- Member of the executive committee National Plans of Science and Technology.

2011: ---- Member of the committee for preparation of the Institutional Self Study.

2011: ---- Member of the Knowledge and Business Community committee.

2011: ---- Member of the executive committee of the Second Strategic Plan for KAU.

2011: Member of the Supervisory Committee for the ceremony graduation of KAU programs in ALQassim.

2011: Head of the Coordinating Committee for the supervision and preparation of the conference, "Towards an effective strategy to raise awareness of the dangers & harm of drugs".

2011: Member of the Committee for the orientation teaching.

2012: ---- Member of the Faculty of Engineering council.

2012: ---- Member of the English Language Institute council.

2012: ---- Member of the Supreme Supervisory Committee to follow up the university strategic plan.

2012: ---- Member of the Advisory Committee for KAU Graduate Studies.

2012: ---- Head of Student Advisory Committee for KAU students.

2012-2016: Member of the Supervisory Committee of The KAU 50TH Anniversary Ceremony

2013: ---- Member of the Advisory Committee for students.

2013:- ---- Member of the Higher Committee of Social Services.

2013: ---- Member of the Executive Committee of Social Services.

2013: ---- Member of the executive/supervisor Committee for Scientific forums for KAU students.

2013: ---- Member of the Higher Committee of KAU Society with Special Needs.

2013:---- Member of the 10th National Development Plan.

2013: ---- Member of the executive Committee of the Tenth Development Plan of KAU.

2014:---- Member of the Scientific Meetings Committee for students.

2014:---- Member of the Executive Committee for National Scientific Technological plans.

2014:---- Head of the School of Home Economics council.

2014:---- Member of Executive s committee "Executive" programs.

2014:---- Head of Committee of the administration coordination of the female campus.

2014:----- Head of the committee to lay the foundation of the faculty of Environmental Design.

2015:----- Head of the Administrative Coordination committee.

2015:----- Member for establishing Anti Smoking Executive Committee.

2015:----- Member of the E-Memo Committee.

2015:----- Member of the executive Committee of executing the Agreement (or Declaration) of Teacher's Ethical Conduct.

2015:----- Member of the Supervisory Committee of organizing the conference "Academic High Education Advisory program for the GCC in Reality and Expectations"

2015:----- Member of the Advisory Committee for organizing the Third Scientific Conference "National Economy, The Barriers and Expectation"

2015:----- Head of the committee of nominating supervisors for the Executive Programs

2015:----- Member of the Medical Self-Funding recruitment of King Abdulaziz University Hospital.

2015-2016: Head of the female Campus Advisory Committee in the University of Jeddah.

2015-2016: Head of the female Campus Disciplinary Committee in the University of Jeddah.

2015-2016: Member of the Deans Advisory Committee, University of Jeddah.

EXTRACURRICULAR ACTIVITIES

2001-2004: Supervisor of the KAU's Women campus Web-Site team.

2003-2004: Three radio interviews:

- "Faces in front of the microphone" Radio Riyadh.
- "Personality of Today" Radio Riyadh.
- "Women and Scientific research" Radio Jeddah.

2004: Invitation from Baiyy Al-Sagheer schools to lecture high school seniors on the art of debate on the use and misuse of technology

2006: Invited to take part in the National Debate on "Education: the reality and methods for development". Taif, KSA

2007: Invited Speaker for the High School Graduation Ceremony of Baiyy Al Sgheer.

2007: Invited to Lecture the Department of Physics Summer program for Graduates- Laser. "How to Conduct Scientific Research and Lab Reports"

2007: Invitation from Dar AL-Thiker school to lecture students on "Scientific Research"

2008: Invitation from KAU Medical Department to lecture on "Skills for writing scientific research" sponsored by the King Abdul Aziz and His Companions Foundation for Giftedness and Creativity (Mawhiba).

2010: Development of 3 on campus Day Care centers.

2010: The Seventh cultural and Scientific Week for Higher Education Institutes and Universities in GCC Countries.

2011: The National Built Heritage Forum, organized by the Saudi Commission for Tourism and Antiquities, Jeddah, Saudi Arabia.

2012: Participation in the first meeting activities of the b international agreements, King Abdulaziz University.

2017: Honorary guest and speaker at the graduation ceremony of the 22nd high school students, 1438 H / 2017 for the school of Baity Al Sgheer.

2019: Commencement Speech for Baity Al Sgheer for high school graduates.

SOCIAL EVENTS AS DEAN

2009- ...: All social and extra curricula activities in women campuses auditoriums of King Faisal Conference Hall. In addition to those on the male, side especially those requiring honoring female faculty, staff or students with certificates and awards.

2009-2019: Opening of "made by Hand, arts and crafts" for small businesses - annual exhibit.

2016: Jeddah University Graduation Ceremony

2017: Jeddah University Graduation Ceremony

PRE-K CENTER GRADUATION CEREMONY

- Sponsoring the Pre-K's graduation ceremony for the academic year 2010.
- Sponsoring the Pre-K's graduation ceremony for the academic year 2011.
- Sponsoring the Pre-K's graduation ceremony for the academic year 2012.
- Sponsoring the Pre-K's graduation ceremony for the academic year 2013.

KING ABDULAZIZ UNIVERSITY GRADUATION CEREMONY (FEMALES)

- Graduation ceremony held under the care of Her Royal Highness Princess Hessa bint Trad Al Shaalan, Custodian of the Two Holy Mosques King Abdullah bin Abdulaziz Al Saud wife, in 2008.
- Graduation ceremony held under the care of Her Royal Highness Princess Hessa bint Trad Al Shaalan, Custodian of the Two Holy Mosques King Abdullah bin Abdulaziz Al Saud wife, in 2009.
- Graduation ceremony held under the care of Her Royal Highness Princess Hessa bint Trad Al Shaalan, Custodian of the Two Holy Mosques King Abdullah bin Abdulaziz Al Saud wife, in 2010.
- Graduation ceremony held under the care of Her Royal Highness Princess Hessa bint Trad Al Shaalan, Custodian of the Two Holy Mosques King Abdullah bin Abdulaziz Al Saud wife, in 2011.

- Graduation ceremony held under the care of Her Royal Highness Princess Hessa bint Trad Al Shaalan, Custodian of the Two Holy Mosques King Abdullah bin Abdulaziz Al Saud wife, in 2012.
- Graduation ceremony held under the care of Her Royal Highness Princess Hessa bint Trad Al Shaalan, Custodian of the Two Holy Mosques King Abdullah bin Abdulaziz Al Saud wife, in 2013.
- Graduation ceremony held under the care of Her Royal Highness Princess Hessa bint Trad Al Shaalan, Custodian of the Two Holy Mosques King Abdullah bin Abdulaziz Al Saud wife, in 2014.
- Graduation ceremony of King Abdul Aziz University students, 2015.
- Graduation ceremony of King Abdul Aziz University students, 2016.
- Graduation ceremony of King Abdul Aziz University students, 2017.

ALL ABOVE REPRESENTED AS KAU'S DEAN OF WOMEN'S CAMPUS

- Graduation ceremony of King Abdul Aziz University female students, represented by university vice president 2018.
- Graduation ceremony of King Abdul Aziz University female students, represented by university vice president 2019.