

Curriculum Vitae – Dari Alhuwail

Education

- Ph.D. Information Systems – *Health Informatics*, University of Maryland, Baltimore County, 2016.
- M.S. Management Information Systems, University of Arizona, 2007.
- B.S.B.A. Management Information Systems (*Honors*), University of Arizona, 2006.
- B.S.B.A. Entrepreneurship (*Honors*), University of Arizona, 2006.
- B.S.B.A. Operations Management, University of Arizona, 2006.

Professional Development and Fellowships

- Short-Term Research Fellow, London School of Economics, 2018.
- Train-the-Trainer; Teaching Excellence Workshop, University of California Berkeley, San Francisco, 2018
- Research Publication Workshop, University of California Berkeley, Kuwait, 2017.
- Teaching Excellence Workshop, University of California Berkeley, Kuwait, 2017.
- VIVA Telecom Small to Big Entrepreneurship Training Program, London, 2012.
- Thukhur National Leadership Development Program, New York, 2012.
- Division of Clinical Informatics (BIDMC), Harvard Medical Faculty Physicians, Boston, 2010.

Professional Experience

- Assistant Professor, Department of Information Science, College of Computing Sciences and Engineering, Kuwait University, 2016 – Present.
- Health Informatics Consultant, Dasman Diabetes Institute, 2017 – Present.
- Health Informatics Unit Co-founder, Dasman Diabetes Institute, 2017 – Present.
- Honorary Lecturer – Informatics, College of Medicine, University of Dundee, 2016 – Present.
- Lab Manager, Health IT Lab, University of Maryland, Baltimore County, 2013 – 2016.
- Teaching Assistant, Department of Information Science, College of Computing Sciences and Engineering, Kuwait University, 2012.
- Partner, Burger Flipper and Operations Manager, Hashtag Burgers – Kuwait, 2011 – 2013.
- Systems Engineer, Information Technology, Dasman Diabetes Institute, 2010 – 2012.
- Assistant Software Engineer, Ministry of Health, 2009 – 2010.
- Kuwait for Kenya (K4K) Co-Founder, Past President and Alumni Advisor, Lothan Youth Achievement Center, 2008 – 2012.

Academic Service

- **Reviewer**, PervasiveHealth 2018, 12th EAI International Conference on Pervasive Computing Technologies for Healthcare – 2018.
- **Member**, Scientific Committee, GCC eHealth Workforce Development Conference, GCC Taskforce on Workforce Development in Digital Healthcare – 2018.
- **Chair**, Registration Committee, 2nd International Conference on Computing Sciences and Engineering – 2018.
- **Member**, Organizing Committee, 2nd International Conference on Computing Sciences and Engineering – 2018.
- **Reviewer**, Technical Committee, 2nd International Conference on Computing Sciences and Engineering – 2018.
- **Co-Organizer**, GeoHealth Seminar, Dasman Diabetes Institute – 2017.
- **Chair**, Ethics Review Committee, Information Science Department, College of Computing Sciences and Engineering, Kuwait University – 2017/2018.
- **Chair**, Social and Public Seminar Committee, Information Science Department, College of Computing Sciences and Engineering, Kuwait University – 2017/2018.
- **Member**, Curriculum Affairs Committee, Information Science Department, College of Computing Sciences and Engineering, Kuwait University – 2017/2018.
- **Co-Chair**, International Relations Committee, Home Healthcare and Hospice Information Technology (H3IT) Conference – 2017.
- **Member**, Program Committee, Home Healthcare and Hospice Information Technology (H3IT) Conference – 2014 - 2017.
- **Secretary**, Undergraduate Programs Committee, College of Computing Sciences and Engineering, Kuwait University – 2016/2017.
- **Secretary**, Curriculum Affairs Committee, Information Science Department, College of Computing Sciences and Engineering, Kuwait University – 2016/2017.
- **Member**, Social Committee, Information Science Department, College of Computing Sciences and Engineering, Kuwait University – 2016/2017.
- **Reviewer**, Annual American Medical Informatics Association Annual Symposium – 2016 - 2017.
- **Reviewer**, Journal of Applied Clinical Informatics – 2016.
- **Chair**, Local Arrangements Committee, Home Healthcare and Hospice Information Technology (H3IT) Conference – 2014 - 2016.

Community Service

- Member, Kuwait GIS User Group (KGUG), 2017 – Present.
- Chair, Rescue Committee, Kuwait Fire Protection Association, 2016 – Present.
- Founder, Kuwait Health Informatics Network, 2014 – Present.
- Volunteer, Kuwait Red Crescent Society, 2012 – Present.
- Information Technology and Informatics Consultant, Direct Aid, 2013 – Present.
- International Relations Officer, Kuwait Dive Team, 2008 – Present.
- Accessibility Volunteer Sailor and Mate, Downtown Sailing Center (USA), 2012 – 2016.
- Graduate Students Committee, National Union of Kuwaiti Students (USA), 2013 – 2015.

- Board Member, National Union of Kuwaiti Students (USA), 2012 – 2013.
- Information Technology Consultant, Bayt Abdulla Childrens' Hospice, 2010 – 2014.
- Youth Leader, Systems Advisor and Kuwait 4 Kenya (K4K) Co-Founder, Past President and Alumni Advisor, Lothan Youth Achievement Center, 2008 – 2012.
- Kuwaiti Student Association Co-Founder, University of Arizona, 2004.

Associations

- International Medical Informatics Association (IMIA).
- American Medical Informatics Association (AMIA).
- Healthcare Information and Management Systems Society (HIMSS).
- American Health Information Management Association (AHIMA).
- Institute of Electrical Engineers and Electronics (IEEE).
- Kuwait GIS User Group (KGUG), Kuwait.
- Kuwait Fire Protection Association (KFPA), Kuwait.
- American Middle Eastern Network for Dialogue at Stanford University (AMENDS), USA.
- Arizona Blue Chip Program, USA.
- Delta Sigma Pi International Professional Business Fraternity, USA.
- Golden Key International Honor Society, USA.
- Helicopter Rescue and Response Association (HRRRA).
- International Association of Fire Chiefs (IAFC).
- Kuwait Dive Team, The Environmental Voluntary Foundation, Kuwait.
- Kuwaiti Student Association - University of Arizona.
- Kuwait Information Technology Society.
- Kuwait Red Crescent Society.
- Kuwait Transparency Society.
- Kuwait Health Initiative.
- Lothan Youth Achievement Center (LoYAC).
- Maryland Flight Paramedics Association.
- Management Information Systems Graduate Association - University of Arizona.
- National Union of Kuwaiti Students.
- Students for International Change.
- Sigma Alpha Lambda.
- Thukhur - National Program to Develop Future Promising Leaders.
- WYSE International.

Fire, Rescue, and Emergency Medical Services

- Water Rescue Captain, Middle River Volunteer Fire and Rescue Company, 2016 – 2017.
- Rescue Lieutenant, Firefighter/NREMT, Middle River Volunteer Ambulance and Rescue, 2012 – Present.
- Firefighter II/NREMT, Lansdowne Volunteer Fire Company, 2015 – 2017.
- Swiftwater Rescue Technician, Kingsville Volunteer Fire Company, 2015 – Present.
- Rescue Diver, Firefighter/NREMT, Prince George’s County Fire and Marine Rescue Department, 2015 – Present.
- Firefighter II/NREMT, Jessup Volunteer Fire Department, 2015 – Present.
- Firefighter II/NREMT, Riviera Beach Volunteer Fire Company, 2012 – 2016.

Awards

- *Outstanding Achievement Award – “Monjiz”* – Ministry of State for Youth Affairs, 2017.
- *Outstanding Research Poster Award - College of Computing Sciences and Engineering* – Kuwait University, Annual Poster Day for Sciences Faculties, 2017.
- *Outstanding Research Podium Award - Nursing Informatics Research Award* – University of Maryland - School of Nursing, Summer Institute in Nursing Informatics (SINI), 2016.
- *Outstanding Research Poster Award - Nursing Informatics Research Award* – University of Maryland - School of Nursing, Summer Institute in Nursing Informatics (SINI), 2016.
- *Outstanding Research Poster Award - Nursing Informatics Research Award* – University of Maryland - School of Nursing, Summer Institute in Nursing Informatics (SINI), 2015.
- *Rescuer of the Year* – Middle River Volunteer Ambulance and Rescue, U.S. Congress, and U.S. Senate, 2015.
- *Rookie of the Year* – Riviera Beach Volunteer Fire Company, 2015.
- *Top Training Hours* – Riviera Beach Volunteer Fire Company, 2015.
- *Building Relationships Award* – Thukhur National Leadership Development Program, 2012.
- *Volunteer Appreciation Award* – Spread the Passion Volunteers, 2010.
- *Top Graduating U.S.A. Scholars Award* – Kuwait’s Ministry of Higher Education, 2008.
- *Dean of Students Award Finalist* – University of Arizona, 2006.

Publications

Journal Articles

- Koru G, Parameshwarappa P, **Alhuwail D**, Aifan A. Facilitating Focused Process Improvement Efforts in Home Health Agencies to Improve Utilization Outcomes Effectively and Efficiently. *Home Healthcare Management and Practice*. 2017; Accepted: In-Press.
- Koru G, **Alhuwail D**, Jademi O, Uchidiuno U, Rosati R. Technology Innovations for Better Fall-Risk Management in Home Care: Directions Emerging from a Qualitative Analysis of Fall Incident Reports. *Journal of Gerontological Nursing*. 2017; Accepted: In-Press.
- **Alhuwail D**, Koru G, Nahm ES. How Can Home Care Patients and their Caregivers Better Manage Fall Risks by Leveraging Information Technology. *Journal of Patient Experience*. 2017; 3(4): 137-144.

- **Alhuwail D**, Koru G, Mills ME. Supporting the Information Domains of Fall-Risk Management in Home Care via Health Information Technology. *Home Health Care Services Quarterly*. 2017; 35(3-4): 155-171.
- **Alhuwail D**. Diabetes Applications for Arabic Speakers: A Critical Review of Available Apps for Android and iOS Operated Smartphones. *Studies in Health Technology and Informatics*. 2016;225:587-591.
- Peltonen LM, **Alhuwail D**, Ali S, Badger MK, Eler GJ, Georgsson M, Islam T, Jeon E, Jung H, Kuo CH, Lewis A, Pruinelli L, Ronquillo C, Sarmiento RF, Sommer J, Tayaben JL, Topaz M. Current Trends in Nursing Informatics: Results of an International Survey. *Studies in Health Technology and Informatics*. 2016; 225: 938-9.
- Peltonen LM, Topaz M, Ronquillo C, Pruinelli L, Sarmiento RF, Badger MK, Ali S, Lewis A, Georgsson M, Jeon E, Tayaben JL, Kuo CH, Islam T, Sommer J, Jung H, Eler GJ, **Alhuwail D**. Nursing Informatics Research Priorities for the Future: Recommendations from an International Survey. *Studies in Health Technology and Informatics*. 2016; 225: 222-226.
- Topaz M, Ronquillo C, Peltonen LM, Pruinelli L, Sarmiento RF, Badger MK, Ali S, Lewis A, Georgsson M, Jeon E, Tayaben JL, Kuo CH, Islam T, Sommer J, Jung H, Eler GJ, **Alhuwail D**. Advancing Nursing Informatics in the Next Decade: Recommendations from an International Survey. *Studies in Health Technology and Informatics*. 2016;225:123-7.
- **Alhuwail D**, Koru G. Leveraging health information technology for fall-risk management in home care: A qualitative exploration of clinicians' perspectives. *Home Healthcare Management and Practice*. 2016; 28(4): 241-249.
- **Alhuwail D**, Koru G. Identifying home care clinicians' information needs for managing fall risks. *Applied Clinical Informatics*. 2016;7(2):211–226.
- Koru G, **Alhuwail D**, Topaz M, Norcio A, Mills ME. Investigating the challenges and opportunities in home care to facilitate effective information technology adoption. *Journal of the American Medical Directors Association*. 2016; 17: 53-58.
- Koru G, **Alhuwail D**, Rosati RJ. Identifying the Key Performance Improvement Domains for home health agencies. *SAGE Open Medicine*. 2015; 3.

Peer-Reviewed Proceedings and Scientific Meetings

- AlMeraj Z, **Alhuwail D**, Boujarwah F. Evaluation of Nine Hospital Websites in Kuwait According to Accessibility, Content, Presence and Usability. In: *Kuwait University Scientific Research Poster Day*. Kuwait City, Kuwait; 2018.
- **Alhuwail D**, Abdulsalam Y. Seeking Health Information Online in Kuwait: An Exploratory Study. In: *Kuwait University Scientific Research Poster Day*. Kuwait City, Kuwait; 2018.
- Abdulsalam Y, **Alhuwail D**, Schneller E. Adopting Identification Standards in the Medical Devices Supply Chain. In: *Kuwait University Scientific Research Poster Day*. Kuwait City, Kuwait; 2018.
- Boujarwah F, AlMeraj Z, **Alhuwail D**. What Do Users Want? Preliminary Analysis of User Expectations of Hospital Websites in the State of Kuwait. In: *The ACM CHI Conference on Human Factors in Computing Systems – W27: Exploring Participatory Design Methods to Engage with Arab Communities*. Montréal, Canada; 2018.
- **Alhuwail D**, Norcio AF. Updates on Information Technology and Systems in the Fire Service. In: *Fifth International Fire and Safety Conference and Exhibition*. Kuwait City, Kuwait; 2018.
- **Alhuwail D**, Wake D, Barnes R, Alkandari H, Badawi D, Shaltout A. Reporting on the Use of mHealth and Novel Health IT tools for the Development of the Childhood Onset Diabetes eRegistry (CODeR) in the State of Kuwait. In: *International Computing Sciences and Engineering Conference*. Kuwait City, Kuwait; 2018.

- Boujarwah F, **Alhuwail D**, AlMeraj Z. Cross-Sectional Evaluation of Hospital Websites in Kuwait. In: *International Computing Sciences and Engineering Conference*. Kuwait City, Kuwait; 2018.
- **Alhuwail D**. Leveraging Health Informatics for Better Health Care: Challenges and Opportunities in the State of Kuwait. In: *International Kuwait Health Information Conference*. Kuwait City, Kuwait; 2017.
- **Alhuwail D**, Aljalahma H, Abduo H, Abu-Ghefreh A, Halawa N, Dawwas B, Alqabandi N, Al Qersh M. Assessing the Usage Patterns of a Diabetes Education Website Available for Arabic Speakers: Insights and Recommendations. In: *International Diabetes Federation Congress*. Abu Dhabi, UAE; 2017.
- **Alhuwail D**. Utilizing Information Technology to Improve Patient Safety while Engaging Patients in Care: Opportunities for the State of Kuwait. In: *Kuwait Conference on Quality in Healthcare*. Kuwait City, Kuwait; 2017.
- **Alhuwail D**, Koru G. Challenges and Opportunities of Leveraging Exergames at Home for Diabetes Management: An Exploratory Study from Kuwait. In: *H3IT 2017: Home Healthcare and Hospice Information Technology Conference*. Washington - D.C.; 2017.
- **Alhuwail D**, Callaghan-Koru J, Braunschweig B, Koru G. Engaging Home Care Patients and Caregivers for Better Fall Risk Management: Challenges, Opportunities, and Leveraging Information Technology. In: *H3IT 2016: Home Healthcare and Hospice Information Technology Conference*. Chicago, IL; 2016.
- **Alhuwail D**, Koru G. Investigating how health IT solutions responded to information needs for fall-risk management: A case study. In: *American Medical Informatics Association Annual Conference*. Chicago, IL; 2016.
- Jademi O, Uchidiuno U, **Alhuwail D**, Koru G. Informing the requirements for IT-based fall risk management solutions in home health care. In: *American Medical Informatics Association Annual Conference*. Chicago, IL; 2016.
- **Alhuwail D**, Koru G. Identifying home care clinicians' information needs to achieve better care coordination in fall risk management. In: *Summer Institute in Nursing Informatics*. Baltimore, MD; 2016.
- Uchidiuno U, Koru G, Parameshwarappa P, **Alhuwail D**. Leveraging data analytics to investigate the relationship between patient demographic and falls in home care. In: *Summer Institute in Nursing Informatics*. Baltimore, MD; 2016.
- *Best Poster Award* –**Alhuwail D**, Koru G. Identifying home care clinical practices most associated with hospital readmissions and non-admitted ER visit rates: Secondary data analysis. In: *American Medical Informatics Association Annual Conference*. San Francisco, CA; 2015.
- **Alhuwail D**, Koru G. Identifying home care providers' information needs for managing and reducing fall risks. In: *H3IT 2015: Home Healthcare and Hospice Information Technology Conference*. Nashville, TN; 2015.
- Koru G, **Alhuwail D**, Rosati RJ. Informing health IT adoption strategies in home care through identifying Key Performance Improvement Domains for home health agencies. In: *H3IT 2015: Home Healthcare and Hospice Information Technology Conference*. Nashville, TN; 2015.
- Koru G, Parameshwarappa P, **Alhuwail D**. Leveraging public data to investigate home care quality in urban and rural America. In: *H3IT 2015: Home Healthcare and Hospice Information Technology Conference*. Nashville, TN; 2015.
- Koru G, Parameshwarappa P, **Alhuwail D**. Identifying home care clinical practices most associated with hospital readmissions and non-admitted ER visit rates: Secondary data analysis. In: *The 6th Annual Workshop on Health IT and Economics*. Washington - D.C.; 2015.
- Koru G, **Alhuwail D**. Realizing the benefits of home health compare infrastructure: Identifying the home care clinical practices most associated with hospital readmissions and non-admitted ER visit rates. In: *Maryland-National Capital Homecare Association (MNCHA) Annual Meeting*. Baltimore, MD; 2015.

- Koru G, **Alhuwail D**, Aifan A. Realizing the benefits of home care data: Identifying home care clinical practices most associated with hospital readmissions and non-admitted ER visit rates. In: *Summer Institute in Nursing Informatics*. Baltimore, MD; 2015.
- **Alhuwail D**, Norcio AF. Information technology and systems in the fire service: A literature review. In: *International Conference on Computer Sciences and Engineering*. Kuwait City, Kuwait; 2015.
- **Alhuwail D**, Koru G, Alaiad A, Norcio AF, Topaz M. Health information technology adoption in home health: Progress report. In: *American Medical Informatics Association Annual Conference*. Washington - D.C.; 2014.
- Koru G, **Alhuwail D**, Topaz M, Mills ME, Norcio AF. Toward effective and efficient health IT adoption in home care. In: *H3IT 2014: Home Healthcare and Hospice Information Technology Conference*. Washington - D.C.; 2014.
- Koru G, **Alhuwail D**. Health IT adoption in Maryland home health agencies. In: *Home Health IT Summit*. Baltimore, MD; 2014.
- Koru G, **Alhuwail D**, Mills ME, Topaz M, Norcio AF. Health IT adoption in home health agencies. In: *Summer Institute in Nursing Informatics*. Baltimore, MD; 2014.
- Shaltout A, Kaldani E, **Alhuwail D**, Safran C, Feldman H, AlKhuzam A, Kaldani A, Behbehani K. ReportWriter: An innovative electronic health record for more efficient and enhanced quality of diabetes care. In: *International Society for Pediatric and Adolescent Diabetes*. Miami, FL; 2011.
- Shaltout A, Barnes R, Fairley E, **Alhuwail D**, AlArouj M, Bennakhi A, AlKhawari M, Badawi D, AlKhuzam A, Behbehani K, Morris A. Innovation development of eRegistry for Childhood- Onset Diabetes in Kuwait. In: *International Society for Pediatric and Adolescent Diabetes*. Miami, FL; 2011.
- Wake D, Thangavel A, Barnes R, **Alhuwail D**, AlKhuzam A, Farran B, Channanath A, AlRefaie F, Morris A, Behbehani K, AlArouj M, Bennakhi A. Defining Diabetes in Kuwait: Using informatics to understand and help a diabetes population (KSEIN). In: *International Society for Pediatric and Adolescent Diabetes*. Miami, FL; 2011.
- Greene A, Shaltout A, Alexander V, Brilliante M, Cunningham S, Fairley E, Halwa N, **Alhuwail D**, Wake D, Greene S. Integrating "Sweet Text" a mobile phone behavioral support programme for young people with T1D into clinical service in Kuwait and Scotland. In: *International Society for Pediatric and Adolescent Diabetes*. Miami, FL; 2011.
- **Alhuwail D**, Barnes R. Diabetes care in the age of informatics: Kuwait-Scotland Health Innovation Network. In: *Second Kuwait Conference on e-Services and e-Systems*. Kuwait City, Kuwait; 2011.
- **Alhuwail D**. Review of handheld applications for healthcare. In: *First Kuwait Conference on e-Services and e-Systems*. Kuwait City, Kuwait; 2009.

Newspaper Articles – Arabic

- **Alhuwail D**. Free Information from their Captivity. In: *AlQabas Newspaper*. Kuwait; 2017.
- **Alhuwail D**. 5-Star Patient Experience. In: *AlQabas Newspaper*. Kuwait; 2017.
- **Alhuwail D**. GIS Applications and Expectations. In: *AlQabas Newspaper*. Kuwait; 2017.
- **Alhuwail D**. Combating Cybercrime. In: *AlQabas Newspaper*. Kuwait; 2017.
- **Alhuwail D**. eGovernment. In: *AlQabas Newspaper*. Kuwait; 2017.
- **Alhuwail D**. The Internet-of-Things in Healthcare. In: *AlQabas Newspaper*. Kuwait; 2017.
- **Alhuwail D**. Health Information Exchange. In: *AlQabas Newspaper*. Kuwait; 2016.
- **Alhuwail D**. Health Informatics: Introduction and Definition. In: *AlQabas Newspaper*. Kuwait; 2016.

Talks and Presentations

- **Alhuwail D.** Introduction to Academic Research Methods. In: *ClickIT Student Club Workshop Series*. Kuwait City, Kuwait; 2018.
- **Alhuwail D.** Information Management and Medical Informatics. In: *Kuwait Medica 2018 – Biomedical Engineering Workshop*. Kuwait City, Kuwait; 2018.
- **Alhuwail D.** Applying GIS for Water Well Mapping in Sub-Saharan Africa: Suqya's Story. In: *Tenth Kuwait GIS User Conference*. Kuwait City, Kuwait; 2018.
- **Alhuwail D.** Health Informatics Trends: Essential Knowledge for Clinicians in 21st Century Medicine. In: *Fourth Annual Conference of the Kuwait Institute for Medical Specialization Current Advances in Residency Education (KIMS-CARE)*. Kuwait City, Kuwait; 2018.
- **Alhuwail D.** Health Informatics: An Overview of the Challenges and Opportunities in the State of Kuwait. In: *Military Medical Complex – North, Medical Services Authority, Kuwait Army*. Jahra, Kuwait; 2017.
- **Alhuwail D.** Cybersecurity Threats in Healthcare: Recommendations for Kuwait's Leaders. In: *The 9th Kuwait Info Security Conference*. Kuwait City, Kuwait; 2017.
- **Alhuwail D.** Exploring Research Collaboration Opportunities in the College of Computing Sciences and Engineering. In: *Department of Computer Science Seminar Series*. Kuwait City, Kuwait; 2017.
- **Alhuwail D.** Health Informatics: Applications and Opportunities for Kuwait's Healthcare System. In: *ISC Monthly Seminar Series*. Kuwait City, Kuwait; 2016.
- **Alhuwail D.** Clinical and Health Informatics: A Roadmap for Kuwait. In: *Innagural Scientific Health Informatics Symposium – Kuwait Health Informatics Network*. Kuwait City, Kuwait; 2015.
- **Alhuwail D.** Clinical and Health Informatics: Aspirations & Applications for Health care . In: *Sirdab Lab*. Kuwait City, Kuwait; 2014.

Courses Taught

Kuwait University

- **Fall 2017/2018** – ISC 100 – Fundamentals of Personal Computers.
- **Fall 2017/2018** – ISC 380 – Introduction to Management Information Systems.
- **Summer 2016/2017** – CLS 130 – Ethics and Practices.
- **Spring 2016/2017** – ETM 450 – Application of Information Systems in Environmental Technology.
- **Spring 2016/2017** – ISC 380 – Introduction to Management Information Systems.
- **Fall 2016/2017** – CLS 130 – Ethics and Practices.
- **Fall 2016/2017** – ISC 101 – Introduction to Information Systems.

University of Dundee

- **Fall 2017/2018** – GM51070 – Health Informatics Foundations.