

JAMAL AL-QAWASMI

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Architecture Department
King Fahd University of Petroleum & Minerals (KFUPM)
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EDUCATION

Texas A&M University, College Station, TX, USA
Ph.D. in Architecture (Design Computing & Visualization), 1995-1999

University of Jordan, Amman, Jordan
Master of Architecture, 1990-1993.

Yarmouk University, Irbid, Jordan
B.Sc. in Architecture (First professional degree), 1982-1987.

FIELD OF INTEREST

Sustainable Architecture and Design
Urban Design (quality of life and livability)
Design Computing for Sustainability

TEACHING EXPERIENCE

Dept. of Architecture, King Fahd University for Petroleum & Minerals, Dhahran, KSA
Associate professor, 2018-present.
Assistant Professor, Sep. 2003 – 2018.

Senior Design Project, Senior Project Preparation, Design Studio VI (Comprehensive Design Project), Design Studio V (Intelligent Design Studio), Design Studio IV (Analysis and Synthesis), Design Studio II (Space and Order), Virtual Reality in Architecture, Computer Applications in Building Design (ARE), Computer Aided Design, Theory of Architecture I & II, Principles of Sustainability, Socio-Cultural Factors in Design, Special Topics in Regional Architecture, Special Topics in Computer Aided Design, Architecture of Saudi Arabia.

Dept. of Architecture, Jordan University of Science & Technology, Irbid, Jordan
Assistant Professor, Feb. 2000 – Sep. 2003.

Architectural Graduation Project, Architectural Design Studios (all levels), E-studio, Basic Design Studios, Architectural Professional Practice, Computer Aided Architectural Design, Theory of Architecture.

Dept. of Architecture, Texas A&M University, College Station, TX

Assistant Lecturer, Jan. 1999 – Aug 1999.

Taught Design Media III (Ends 211).

Dept. of Architecture, Jordan University of Science & Technology, Irbid, Jordan

Full Time Lecturer, Sept 1993 - Aug. 1995.

Fall '93 & '94. Architectural Design 3, Architectural Design 4, Architectural Communication 2 and Architectural Communication 3. Developed course content and syllabus, designed and presented lectures, administered desk crits, design reviews and juries.

Dept. of Architecture, University of Jordan, Amman, Jordan

Teaching Assistant, Sept 1990 - June '1991

Taught Architectural Design 2-A, Architectural Design 2-B, second year level.

RESEARCH FUNDING & GRANTS

- Project title: " Develop a tool to Assess and Monitor Urban Quality of Life in Saudi Arabia Cities"; Funding Agency: Ministry of Higher Education; Funding Program: Social Science Research Initiative; Duration: 12 Months (April October 2019-September 2020); Budget: SAR 360,100 (US\$ 96,000); **Role: Principal Investigator**; Co-Investigator: Dr. Omar Asfour, Dr. Muhammad Saeed, Dr Adel Aldosary, KFUPM. Ongoing.
- Project title: "Evaluating Design Quality in Mosques in Saudi Arabia: Setting up the Criteria"; Funding Agency: King Fahd University of Petroleum and Minerals (KFUPM); Funding Program: Internal Grant IN171035; Duration: 24 Months (April 2018-March 2020); Budget: SAR 160,100 (US\$ 42,700); **Role: Principal Investigator**; Co-Investigator: Dr. Dr. Shamim Javed, ARC, KFUPM, Dr. Adel Abdou, ARE, KFUPM. Ongoing.
- Project title: "Formulating Stabilized Rammed Earth Construction Standard of Saudi Arabia"; Funding Agency: King Fahd University of Petroleum and Minerals (KFUPM); Funding Program: Internal Grant # IN161032; Duration: 30 Months (April 2017 – April 2020); Budget: SAR 180,200 (US\$ 48,000 Approx); **Role: CO-Investigator**. Ongoing.
- Project title: " Developing Place-Based Health Indicators: Toward Healthy Neighborhoods in Saudi Arabia"; Funding Agency: King Fahd University of Petroleum and Minerals (KFUPM); Funding Program: Internal Grant # IN161045; Duration: 24 Months (April 2017 – October 2019); Budget: SAR 151,200 (US\$ 40,300 Approx); **Role: Principal Investigator**; Co-Investigator: Dr. Mohammad Babsail, ARC, KFUPM, Dr. Khondokar Mohammad Nahiduzzaman, CRP, KFUPM. Ongoing.
- Project title: "Measuring Building Sustainability: Developing the Saudi Sustainable Building Assessment Tool (SSBAT)"; Funding Agency: King Abdulaziz City of Science and Technology (KACST); Funding Program: National Science Technology and Innovation Program; Forth Cycle (Grant # 13-BUI2192-04). Duration: 24 Months (September 2014 – August, 2016); Budget: SAR 1,727,700 (US\$ 466,000 Approx); **Role: Principal Investigator**; Co-Investigators: Dr. Mohammad Babsail, Dr. Muhammad Asif, Dr. Ahmed Abdel fattah; Consultants: Dr. Mohamed El-Haram, University of Dundee, UK and Pekka Huovila, VTT Tech, Finland. Completed.
- Project title: " Measuring Quality of Life in Saudi Arabian Cities: Setting up Criteria for Al-Khobar"; Funding Agency: King Fahd University of Petroleum and Minerals (KFUPM); Funding Program: Internal Grant # IN 121061; Duration: 24 Months (May 2013 - April 2015); Budget: SAR 175,900 (US\$ 47,000 Approx); **Role: Principal Investigator**; Co-

Investigator: Dr. Mohammad Babsail, ARC, KFUPM, Dr. Guoping Jiang, GS, KFUPM. Completed.

- CED Supporting Innovation Grant (KFUPM), (2009-2010). Project title: Visual Resources Information System for Pedagogical Purposes at College of Environmental Design (CED). 6 months (2004-2005). Completed.
- Project title: KFUPM Virtual Tour: A virtual Simulation of KFUPM, granted by KFUPM, 7 months, November 2004 – August 2005. Completed.
- Online course development (ARC 110 - History of Architecture) Programming and implementation team leader. (45,000 SAR). 12 months, May 2003-May 2004. Completed.
- Al-Qawasmi, J., Daher, Rami, and Abed, Jamal (2000-2002). Domains of Heritage: Shifting Boundaries and the Emergence of a 'Transformed Public Consciousness' 'the politics of place & identity construction, contested pasts, and investment rights in Bilad al Sham'. *An International Collaborative Research Grant (ICRG) from the Social Science Research Council, USA. (35,000\$)*. Completed.
- Clayton, M.J., & Al-Qawasmi, J. (1999). The effectiveness of digital design crits. *Architecture Research Grants Program, Texas A&M University (\$5,000)*. Completed.

PUBLICATIONS

Refereed Journals

- Al-Qawasmi, J. (2022). "Machine Learning Applications in Real Estate: Critical Review of Recent Development". In: Maglogiannis, I., Iliadis, L., Macintyre, J., Cortez, P. (eds) *Artificial Intelligence Applications and Innovations. AIAI 2022. IFIP Advances in Information and Communication Technology*, vol 647. Springer, Cham. https://doi.org/10.1007/978-3-031-08337-2_20
- Al-Qawasmi, Jamal. (2021). "Selecting a Contextualized Set of Urban Quality of Life Indicators: Results of a Delphi Consensus Procedure" *Sustainability*, 13, no. 9: 4945. <https://doi.org/10.3390/su13094945>
- Al-Qawasmi, J., Saeed, Muhammad, Asfour, Omar S., Aldosary, Adel S. (2021) Assessing Urban Quality of Life: Developing the Criteria for Saudi Cities, *Frontiers in Built Environment*, Vol 7. DOI=10.3389/fbuil.2021.682391
- Jamal A. Measuring Quality of Life in Urban Areas: Toward an Integrated Approach. *International Journal of Environmental Sciences & Natural Resources*. 2020; 25(2): 556158.
- Al-Qawasmi, J., Asif, M., Abd El-Fattah, A., & Babsail, M.O. (2019). Water Efficiency and Management in Sustainable Building Rating Systems: Examining Variation in Criteria Usage. *Sustainability*, 11, 2416.
- Al-Qawasmi, J. (2018). Regional Practices in Measuring Urban Quality of Life: Examining Variation in the Usage of Indicators. *Proceedings of the Institution of Civil Engineers Urban Design and Planning*, 172(1):26-40.
- Al-Qawasmi, J. (2018). Examining Indicators Coverage in a Sample of Sustainable Building Assessment Systems. *Architectural Engineering and Design Management*, 15(2), pp. 101-120. published on-line 09 October 2018.
- Al-Qawasmi, J. (2015). Vernacular as a renewable resource: toward region-specific architecture in Saudi Arabia, a case from KFUPM. *Architectural Engineering and Design Management*, 12(2), pp 81-96.

- Al-Qawasmi, J. (2007). Virtualization of Architectural Design Education In The Arab Region: Potential and Cultural Implications. *Open House International*, 32(2), pp. 55-64.
- Jamal Al-Qawasmi & Karim Hagiri (2007). Architecture in The Digital Age: The effect of digital media on the design, production and evaluation of the built environment, *Open House International*, Vol 32, No.2, pp. 4-7.
- Al-Qawasmi, J. (2006). Transformations in Design Education: The Paperless Studio and the Virtual Design Studio: *Open House International Vol 31, No.3*, pp. 95-103.
- Al-Qawasmi, J. (2005). Digital Media in Architectural design education: reflections on the e-studio pedagogy: *Art, Design & Communication in Higher Education 4(3)*, pp. 205-222.

Refereed Conferences

- Al-Qawasmi, J. (2022). Machine Learning Applications in Real Estate: Critical Review of Recent Development. In *Artificial Intelligence Applications and Innovations*, pp. 231–249. Springer International Publishing. https://doi.org/10.1007/978-3-031-08337-2_20
- M. O. Babsail, J. Al-Qawasmi (2014). Vernacular Architecture in Saudi Arabia: Revival of Displaced Traditions. In *Vernacular Architecture: Towards a Sustainable Future*, pp. 99–104. CRC Press.
- Al-Qawasmi, J. (2013) Contemporary vernacular as a diffusion of an innovation process: a theoretical model of vernacular evolution, In *Vernacular Heritage and Earthen Architecture (CIAV2013 International Conference on Vernacular Heritage, Sustainability and Earthen Architecture)*, pp. 233-238. Portugal.
- Al-Qawasmi, J. (2004). Reflections on E-Design: The E- Studio Experience. *Proceedings of the International Conference of the Arab Society for Computer Aided Architectural Design, (ASCAAD)*, pp. 177-193. Dhahran, KSA.
- Al-Qawasmi, J. (2004). Pan Arab Virtual Design Studio: Issues of culture, Identity and Globalization. *Proceeding of the International conference of Traditional Architecture: Heritage, Globalization & The Built Environment*, pp.227-240. Manama, Bahrain.
- Clayton, M. & Al-Qawasmi, J. (2000). The Effectiveness of Digital Desk Crits in Design Education. In Renated Fruchter, Feniosky Peña-Mora, and W.M. Kim Roddis (Eds.), *Proceedings of the 8th International Conference on Computing in Civil and Building Engineering (ICCCBE-VIII)*, Vol I, pp.365-372. Stanford University, California.
- Al-Qawasmi, J. and Clayton, M. (2000). Media Usage: Observations from an Experimental Study of Computer-Mediated Collaborative Design, In Renated Fruchter, Feniosky Peña-Mora, and W.M. Kim Roddis (Eds.), *Proceedings of the 8th International Conference on Computing in Civil and Building Engineering (ICCCBE-VIII)*, Vol II, pp. 860-867. Stanford University, California.
- Al-Qawasmi, J. (2000). Learning Virtually: Rethinking Architectural Design Education. In *Proceedings of the 7th Annual Distance Education Conference (DEC2000)*. TX: Austin.
- Al-Qawasmi, J. (2000). Learning Virtually: A Paradigm Shift in Design Education. *Proceedings of '2000 Conference of the Association for Computer Aided Architectural Design Research in Asia (CAADRIA)*, pp. 123-133. Singapore.
- Al-Qawasmi, J., Clayton, M. J., & Johnson, R. E. (1999). Observations on collaborative Design and Multimedia Usage in Virtual Design Studio. In *Learning Virtually, Proceedings of the 6th Annual Distance Education Conference*, (pp. 1-9). TX: San Antonio.
- Clayton, M. J., Johnson, R. E., Song, Y. & Al-Qawasmi, J. (1999). Delivering Facility Documentation Using Intranet Technology. In T. Seebohm & S. Van Wyk (Eds.),

Proceedings of '98 Conference of the Association for Computer-Aided Design in Architecture, pp. 240-253. Canada, Quebec.

- Clayton, M. J., Johnson, R. E., Song, Y. & Al-Qawasmi, J. (1999). Facility Operations Documents Using Intranets. In K.C. Wang (Ed), *Computing in Civil Engineering, Proceedings of the International Computing Congress held in conjunction with 1998 ASCE Annual Convention & Exhibition, Boston, Massachusetts*, pp. 868-877. Boston, Massachusetts.
- Clayton, Mark J., Johnson, R. E., Al-Qawasmi, J., and Song, Y. (1997). A Natural Fit: Intranet-Based Collaboration in Facility Management. In Pansak Siriruchatapong, Zongkai Lin and Jean-Paul Barthes (Eds.), *Proceedings of Second International Workshop on CSCW in Design, International Academic Publishers*, pp470-476. Bangkok, Thailand.

Peer Reviewed Technical Report Publication

- Al-Qawasmi, J., Babsail, M., Asif, M., Abdel fattah, A. (2016). *Measuring Building Sustainability: Developing the Saudi Sustainable Building Assessment Tool (SSBAT)*, King Abdulaziz City for Science & Technology, NSTIP Project # 13-BUI2192-04.
- Amir, A., Al-Qawasmi, J., Ishteeaque, E. (2004). *Master Plan and Design Guidelines for Prince Abdullah Science Park (PASP)*, KFUPM Research Institute, KFUPM.
- Clayton, M. J., Johnson, R. E., Song, Y. & Al-Qawasmi, J. (1998). *A study of Information Content of As-Built Drawings for USAA*, Final research technical report, CRS Center Research Series, Texas A& M University, College Station, Texas.
- Al-Qawasmi, J., Clayton, M. J., Johnson, R. E., & Song, Y. (1997). *Collaborative Facility Management Using Intranet Technology*, Final research technical report, CRS Center Research Series, Texas A& M University, College Station, Texas.

Other Publications "Editorial Notes"

- Al-Qawasmi, J., Alshawabkeh, Yahya, and Remondino, Fabio (2011). Editorial of “Digital Media and its Applications in Cultural Heritage”, *Proceedings of DMACH 2011*, Amman, Jordan, pp vii-viii.
- Lehmann, Steffen, Al Waer, Husam, Al-Qawasmi, J. (2010). Editorial of “Sustainable Architecture and Urban Development”, *Proceedings of SAUD 2010*, Amman, Jordan, pp vii-ix.
- Suliman M. Fortea and Al-Qawasmi, J. (2009). Editorial of “Sustainable Architecture and Urban Development”, *Proceedings of SAUD 2009: Sustainable Architecture and Urban Development*, Tripoli, Libya, pp vii-viii.
- Al-Qawasmi, J, Chiuni, Michele and El-Hakim, Sabry. (2008). Editorial of “Digital Media and its Applications in Cultural Heritage”, *Proceedings of DMACH 2008*, Amman, Jordan, pp 0-1.
- Moustafa, Amer, Al-Qawasmi, J., Mitchell, Kevin. (2008). Editorial of “Instant Cities: Emergent Trends in Architecture and Urbanism in the Arab World”, *Proceedings of CSAAR 2008*, American University of Sharjah, UAE.
- Elwazani, Salim, Malhis, Shatha & Al-Qawasmi, J. (2008). Editorial of "Responsibilities and Opportunities in Architectural Conservation: Theory, Education, and Practice", *Proceedings of Heritage 2011 Conference*, Amman, Jordan.
- Al-Qawasmi, J. & Hagiri, K. (2007). "Architecture in The Digital Age: The effect of digital media on the design, production and evaluation of the built environment", *Open House International*, Vol 32, No.2, pp. 4-6.

- Al-Qawasmi, J, Abdesselem Mahmoud, Ali Djerbi. (2007). Editorial of “Regional Architecture and Identity in the Age of Globalization”, the second international conference of CSAAR, Tunis. pp vii-ix.
- Al-Qawasmi, J and Guillermo Vasquez de Velasco. (2006). Editorial of "Changing Trends in architectural Design Education", Proceedings of CSAAR 2006 conference, Rabat, Morocco, pp vii-ix.

Master and Doctoral Theses

- Al-Qawasmi, J. (1999). "*A Study of Computer-Mediated, Collaborative Architectural Design*", Ph.D. Thesis, Department of Architecture, Texas A & M University, College Station, Texas, USA.
- Al-Qawasmi, J. (1993). "*Evaluation of Public Urban Spaces in Amman Area as Perceived Experience*", Master Thesis, Department of Architecture, University of Jordan, Amman, Jordan.

EDITED BOOKS

- Jamal Al-Qawasmi, Yahya Alshwabkeh, & Fabio Remondino (Eds) (2011). "Digital Media and its Applications in Cultural Heritage", Proceedings of Heritage 2011. Amman, Jordan. (ISBN: 978-9957-540-04-3).
- Steffen Lehmann, Husam Al Waer, & Jamal Al-Qawasmi (Eds) (2010). "Sustainable Architecture and Urban Development", Proceedings of SAUD 2010 conference. The University of Jordan, Amman, Jordan. (4-volume book, ISBN: 978-9957-540-00-5 (Vol I), ISBN: 978-9957-540-01-2 (Vol II), ISBN: 978-9957-540-02-9 (Vol III), ISBN: 978-9957-540-03-6 (Vol IV)).
- Suliman M. Fortea & Jamal Al-Qawasmi (Eds) (2009). "Sustainable Architecture and Urban Development". Al-Fateh University, Tripoli, Libya. (2-volume book, ISBN: 978-9957-8602-8-8 (Vol I), ISBN: 978-9957-8602-9-5 (Vol II))
- Salim Elwazani, Shatha Malhis, & Jamal Al-Qawasmi (Eds) (2008). Responsibilities and Opportunities in Architectural Conservation: Theory, Education, and Practice. CSAAR Press, Amman, Jordan. (2-volume book, ISBN: 978-9957-8602-6-4 (Vol I), ISBN: 978-9957-8602-7-1 (Vol II))
- Jamal Al-Qawasmi, Michele Chiuini, & Sabry El-Hakim (Eds) (2008). "Digital Media and its Applications in Cultural Heritage". Amman, Jordan. (ISBN: 978-9957-8602-5-7).
- Amer Moustafa, Jamal Al-Qawasmi, & Kevin Mitchell (Eds) (2008). "Instant Cities: Emergent Trends in Architecture and Urbanism in the Arab World", Proceedings of Instant Cities conference. American University of Sharjah, UAE. (ISBN: 978-9957-8602-1-9)
- Jamal Al-Qawasmi & Abdesselem Mahmoud & Ali Djerbi (Eds) (2007). "Regional Architecture and Identity in the Age of Globalization", Proceedings of CSAAR 2007 (3-Volume book, ISBN: 978-9957-8602-2-6 (Vol I), ISBN: 978-9957-8602-3-3 (Vol II), ISBN: 978-9957-8602-4-0 (Vol III)).
- Jamal Al-Qawasmi & Guillermo Vasquez de Velasco (Eds) (2006). "Changing Trends in Architectural Design Education", Proceedings of CSAAR 2006. National School of Architecture, Morocco. (ISBN:9957-8602-0-8)
- Jamal Al-Qawasmi & Zaki Mallasi (Eds) (2006). "Computing in Architectural Design - Rethinking the Discourse". American University of Sharjah, UAE. (ISBN: 978-9948-4270-3-2)

- Jamal AL-Qawasmi & Rabee Refaat (Eds) (2004). "E-design in Architecture", proceedings of the First International Conference of the Arab Society for Computer Aided Architectural Design (ASCAAD 2004). KFUPM, Dhahran, Saudi Arabia. (ISBN 9660-07-213-4).

MASTER THESIS SUPERVISION & EXAMINATION

- Ali Iftikhar, Master thesis title: A Holistic Framework for the Performance Evaluation of Higher Education Academic Facilities: Case Studies at KFUPM. Architecture Engineering Dept., KFUPM. Committee Member, completed May 2018.
- Mohammed Awad Qannan, Master thesis title: The Utilization of Green Energy in Gaza-Strip Schools for Improved Internal Environment Quality . Architecture Engineering Dept., KFUPM. Committee Member, completed Oct. 2017.
- Ahmed Saeed Baharoon, Master thesis title: Development of a Multi-Criteria Model for Assessing the Buildings Potential for Temporary Use as Flood Transitional Settlement Shelters in Yemen. Architecture Engineering Dept., KFUPM. Committee Member, completed March 2013.
- Mohammad AbdelMohsen Al Otaibi, Master thesis title: Analytical Study on the Origins of Form in Deconstructive Architecture . Dept. of Architecture, University of Dammam, Saudi Arabia. External examiner, completed 2013.
- Fadi A. Fatayer, Master thesis title: A Framework for the Involvement of the Maintenance Manager during the Design Development and Review Stages. Architecture Engineering Dept., KFUPM. Committee Member, completed May 2012.
- Mohammed Alhaji Mohammed, Master thesis title: Design of a Model University Classroom for Collaborative and Interactive Learning. Architecture Engineering Dept, KFUPM. Committee Member, completed April 2011.
- Mohammad N. Jutim, Master thesis title: A Framework for Identification and Communication of Client and User Requirements to Design Teams. Architecture Engineering Dept., KFUPM. committee Member, completed Dec 2010.
- Tariq Al-Rubaiee, Master thesis title: Utilizing Electronic Management Systems to Enhance the Performance of the Support Services Departments in Hospitals . Dept. of Building Engineering, University of Dammam, Saudi Arabia. External examiner, completed April 2010.
- Mohammad Marwan Alkaoukji, Master thesis title: Effect of Architectural Competitions on Architectural Practices in Saudi Arabia. Dept. of Architecture, King Faisal University, Saudi Arabia. External examiner, completed 2009.
- Hassan Ali Balfaqih, Master thesis title: A Methodology for Identifying Learning Activity Settings and User Needs in Educational Facilities. Architecture Engineering Dept., KFUPM. Committee Member, completed, Dec 2009.
- Mohammad Marwan Alkaoukji, Master thesis title: Effect of Architectural Competitions on Architectural Practices in Saudi Arabia . Dept. of Architecture, King Faisal University, Saudi Arabia. External examiner, completed 2009.
- Amal Rasmi Abed, Master thesis title: Change in Traditional Badu Home Layout as a Function of Lifestyle: from Bayt Esh-sha'r to Villa. Department of Architecture, Jordan University of Science & Technology, Jordan. Committee Member, completed 2001.

- Dina Ali Abdul-Karim, Master thesis title: The Sonic Image of the Environment: Characterizing and Evaluating Soundscapes. Department of Architecture, Jordan University of Science & Technology, Jordan. Committee Member, completed 2001.
- Mohammed Zohair Hussain, Master thesis title: Developing a 'Locale-Driven' Methodology for Cultural Site Management (CSM) in Jordan. Department of Architecture, Jordan University of Science & Technology, Jordan. Committee Member, completed 2001.
- Sultan M. Noor El-Din Zakariya, Master thesis title: New Shopping Centers and Their Impact on Urban Growth of Amman. Dept. of Architecture, University of Jordan, Amman, Jordan. External examiner, completed 2001.

PROFESSIONAL PRACTICE AND CONSULATATION

Dar Al Youm Journalism, Printing & Publications, Al-Khobar, Saudi Arabia
Member of the Design Review Committee, March 2010

Reviewed the design entries in the International Competition for the Design of Dar Al Youm Business Park. Twenty-five entries from regional and international design firms were reviewed, and first three winners were selected.

The Royal Committee for the Expansion of the Grand Mosque in Makkah, Saudi Arabia.

Member of the Design Review and Jury Committee, 5-14 April 2008

Great Mosque of Mecca (Al Haram Mosque) is the largest mosque in the world and surrounds Islam's holiest place, the Kaaba, in the city of Mecca, Saudi Arabia. A panel of well-known architects and experts were selected to review and evaluate the submitted design proposals for the Closed Competition "The Expansion of Al Haram Mosque". The Review Team assessed and evaluated the 24 design proposals submitted by renown international firms. Each submission includes both design documents as well as an extensive Technical Report. Based on this expansion, the Grand Mosque/Haram will eventually be capable of holding three million people. Some of the international firms that were selected to submitted design proposals include Zaha Hadid, Atkins, Norman Foster & partners, among others.

The Royal Committee for the Expansion of Grand Mosque in Makkah & Ministry of Higher Education, Riyadh, Saudi Arabia

Chief Designer, 10 Nov, 2007 to 25 April, 2008

Participated in the closed design competition of the expansion of the capacity of the Mataf area (circumambulation area) of Al Haram Mosque in Makah. Participation is based on invitation. Chief designer of a team of 5 architects. A whole set of design documents and technical report were submitted for the organizers of the expansion of the Mataf area of Al Haram Mosque competition.

Al Turath Foundation, Riyadh, Saudi Arabia

Design Review and Jury Member, March 2009

Participated as jury member in the International Review Committee of the second circle of the Prince Sultan Bin Salman Awards for Urban Heritage that run by Al Turath Foundation. Al Turath (Heritage in Arabic) is a semipublic organization

dedicated to preserve and promote national heritage in Saudi Arabia. As a member of the Award Review Committee, I have assessed and evaluated several entries in the four fields of the Award: Urban Heritage Project, Conservation of Urban Heritage, Urban Heritage Researches, and Lifetime Achievement Award.

King Fahd University for Petroleum and Minerals (KFUPM), Saudi Arabia
Urban Designer & Architectural Programmer, March 2006- May 2007.

Developed a schematic Master Plan and set of design guidelines for upgrading and redevelopment of KFUPM Beach, a full service beach on the Arabian Gulf that serves the families of KFUPM faculty members. Design has been implemented.

King Fahd University for Petroleum and Minerals (KFUPM), Saudi Arabia
Designer, May 2004- Aug 2004

Architectural design of KFUPM Youth Center. This included schematic design, design development and final documentation of the project.

King Fahd University for Petroleum and Minerals (KFUPM), Saudi Arabia
Architectural Programmer, Nov 2003- April 2004

Produced a full architectural program and space requirements for KFUPM Youth Center. The Center is a social and educational center intended primarily for use by teenagers (ages 16-18 years) as well as middle school youth (ages 11 -15 years) of the families of KFUPM faculty members living at KFUPM campus. The facility aims to provide safe, supervised, educational, accountable and age-appropriate activities for youth and teens.

King Fahd University for Petroleum and Minerals (KFUPM), Saudi Arabia
Design team member, Nov 2003- June 2004.

Participating in preparing a master plan for "King AbdAllah Bin Abdul Aziz Science Park". Design has been implemented. Currently Dhahran Techno Valley.

Jordan University of Science & Technology (JUST), Jordan
Design team member, Nov 2003- June 2004.

Participated in preparing Master Plan for the land surrounding the campus of Jordan University of Science & Technology, with a depth of 1 km from the periphery of the campus (app. 7.0 km x 1.0 km). The proposed Master Plan provides land use, infrastructure and transportation plans as well as basic urban design guidelines to guide the future development of the area.

Emari Office - Jordanian Architects, Jordan
Designing Architect, June 1991 - June 1993

Designed a number of residential and commercial buildings in major cities of Jordan, i.e., principal designer of several large project such as "Makadmeh Palace", site area: 50,000 sqm, built area: 3,000 sqm.

Architect Athamnih Office, Jordan
Designing Architect, June 1989 - May 1991

Involved in designing a number of residential and commercial buildings in major cities of Jordan.

Construction Department, Civil Defense Directorate, Amman, Jordan
Designer, June 1987 - June 1989

As a team member, involved in designing several projects such: Landscape and external works of Jewidah Complex (design), Sabha Civil Defense Center (design and site supervision), and Mafrag Civil Defense Complex (design and site supervision), among others.

CONFERENCE ORGANIZATION

Conference Co-chair

Participated in organizing the following International Conferences as conference co-chair and/or co-chair of the scientific committee:

- "DMACH 2011" The Second International Conference on Digital Media and its Applications in Cultural Heritage. Amman, Jordan, 2011. Co-chair of the Scientific Committee, and Co-chair of the Organizing Committee.
- "Heritage 2011" The Second International Conference on Conservation of Architecture and Urban Areas. Conference theme "Conservation of Architecture, Urban Areas, Nature & Landscape Towards a Sustainable Survival of Cultural Landscape". Amman, Jordan, 2011. Conference Co-chair.
- "SAUD 2010" The Second International Conference on International Conference on Sustainable Architecture and Urban Development. University of Jordan, Amman, Jordan, July 2010. *Co-chair of the Scientific Committee, and Co-chair of the Organizing Committee.*
- "SAUD 2009" The First International Conference on Sustainable Architecture and Urban Development. Al Fateh University, Tripoli, Libya, November 2009. *Co-chair of the Scientific Committee, and Co-chair of the Organizing Committee.*
- CSAAR Third International Conference, Instant Cities: Emergent Trends in Architecture and Urbanism in the Arab World. American University of Sharjah, UAE, 1-3 April, 2008. *Conference Co-chair, and Co-chair of the Scientific Committee.*
- "Heritage 2008" The First International Conference on Conservation of Architecture and Urban Areas, "Responsibilities and Opportunities in Architectural Conservation: Theory, Education, and Practice". University of Petra, Amman, Jordan, 2008. *Co-chair of the Scientific Program, and member of the Organizing Committee.*
- "DMACH 2008" The First International Conference on Digital Media and its Applications in Cultural Heritage. University of Petra, Amman, Jordan, 2008. *Co-chair of the Scientific Committee, and Co-chair of the Organizing Committee.*
- CSAAR Second International Conference on Regional Architecture and identity in the Age of globalization. National School of Architecture and Urbanism, Tunis, Tunisia, 13-15 November, 2007. *Conference Co-chair, and Co-chair of the Scientific Committee.*
- CSAAR First International Conference "Changing Trends in Architectural Design Education: Sharing Experiences and Building Partnerships across the Mediterranean Rim". The National School of Architecture, Rabat, Morocco, 14-16 November, 2006. *Conference Co-chair, and Co-chair of the Scientific Program.*
- "ASCAAD 2006" The Second International Conference of the Arab Society for Computer Aided Architectural Design, "Computing in Architectural Design- Rethinking the Discourse", American University of Sharjah, UAE, 25-27 April 2006. *Co-chair of the Organizing Committee, and Co-chair of the Scientific Committee.*
- "ASCAAD 2004" The First International Conference of the Arab Society for Computer Aided Architectural Design, "E-design in Architecture". King Fahd University for Petroleum

& Minerals, Dhahran, Saudi Arabia, 7-9 December 2004. *Co-chair of the Organizing Committee, and Co-chair of the Scientific Committee.*

- The First International conference on "Conservation and Regeneration of traditional urban centers in the Islamic world: learning from regional Experiences and Building Partnerships". Jordan University of Science & Technology, Jordan, 19-25 January 2002. *Member of the Organizing Committee, and member of the Scientific Committee.*
- Computing and Information Technology Applications in Heritage Conservation. Workshop organized and delivered as part of The First International conference on "Conservation and Regeneration of traditional urban centers in the Islamic world: learning from regional Experiences and Building Partnerships". 19-25 January 2003, Amman, Jordan. Jordan University of Science & Technology, Jordan, 22 January 2002. *Workshop Organizer.*
- The First International Symposium on Computer and Information Technology Applications in Architectural Education and Practice. Jordan University of Science & Technology, Jordan, 16-17 May 2001. *Organizing Chair & Chair of Scientific Committee.*

Member of the Conference Scientific Committee

Participated in the following International Conferences as a member of the Program Committee:

- SBE16 Tallinn – Helsinki Conference "Build Green and Renovate Deep". Finland, 5-7 October 2016. Member of the International Scientific Committee.
- CIB World Building Congress 2016 "Intelligent Built Environment for Life". Tampere, Finland, May 30 - June 3, 2016. Member of the International Scientific Programme Committee.
- The 4th International Architectural Conservation Conference & Exhibition, organized by Dubai Municipality. Dubai, UAE, 8-10 February, 2016. Member of the International Scientific Committee.
- The Third International Architectural Conservation Conference & Exhibition, organized by Dubai Municipality. Dubai, UAE, 17-19 December 2012. Member of the International Scientific Committee.
- SB11 - World Sustainable Building Conference. Helsinki, Finland. 18-21 October 2011. Member of the International Scientific Committee
- "ASCAAD 2007" The Third International Conference of the Arab Society for Computer Aided Architectural Design, Bibliotheca Alexandrina, Alexandria, Egypt, 28-30 November 2007. Member of the International Review Committee.
- "SIGraDi 2005" The 9th Iberoamerican Congress of Digital Graphics. Lima, Peru, 21-24 November 2005. Member of the International Technical Review Committee
- "ACADIA 2004" The 2004 Conference of the Association for Computer-Aided Design in Architecture. Cambridge and Toronto, Canada, November 2004. Member of the International Technical Review Committee.
- "ACADIA 2003" The 2003 Conference of the Association for Computer-Aided Design in Architecture. Indianapolis, Ball State University, USA, 2003. Member of the International Technical Review Committee.

CONFERENCE & SEMINAR ATTENDANCE AND PRESENTATION

Conference/Seminar Attendance with Presentation

- Artificial Intelligence Applications and innovations (AIAI 2022) & 18th IFIP (International Federation for Information Processing) WG 12.5 International Conference. Crete, Greece, 17-20 June, 2022.
Presentation title: Machine Learning Applications in Real Estate: Critical Review of Recent Development
- Big5 Saudi Symposium. The Dahlan conference center. Jeddah, Saudi Arabia, March 10, 2015.
Presentation title: The Saudi Sustainable Building Assessment System: Project Status.
- Conservation of Architecture, Urban Areas, Nature & Landscape Towards a Sustainable Survival of Cultural Landscape: The Second International Conference on Conservation of Architecture and Urban Areas (Heritage 2011). Amman, Jordan, March 12, 2011.
Keynote Speech titled: Application of Digital Media in Conservation of Architecture and Urban Areas in the Arab World: Futuristic Perspective.
- Symposium on Traditional and Regional Architecture. College of Environmental Design, KFUPM. Dhahran, Saudi Arabia, November 10, 2008.
Presentation title: Towards Region-Specific Architecture in Saudi Arabia.
- The International Conference on Traditional Architecture: Heritage, Globalization and the Built Environment. Manama, Bahrain, December, 2004.
Presentation title: Pan-Arab Virtual Design Studio: Issues of Culture, Identity and Globalization.
- E-design in Architecture: The First International Conference of the Arab Society for Computer Aided Architectural Design (ASCAAD 2004). Department of Architecture, KFUPM. Dhahran, Saudi Arabia, December, 2004.
Presentation title: Reflections on E-Design: The E- Studio Experience.
- The Third Regional Symposium on Architectural Education. College of Architecture, Petra University. Amman, Jordan, April 2003.
Presentation title: Research in a shifting Profession: New Directions in Architectural Education.
- Symposium of the Fourth Arabic Architectural Exhibition for Graduation Projects. Department of Architecture, University of Baghdad. Baghdad, Iraq, October 2002
Presentation title: Architecture Education: Reinventing the Discourse.
- The Second Regional Symposium on Architectural Education. Islamic Architecture Institute, Al Albyat University. Mafraq, Jordan, April 2002.
Presentation title: New Trends in Architectural Design Practice and Education.
- The First International conference on "Conservation and Regeneration of traditional urban centers in the Islamic world: learning from regional Experiences and Building Partnerships". Irbid-Amman, Jordan, January, 2002
Presentation title: Data Integration and Visualization for Documenting and Marketing Historical Structures.
- The First International conference on "Conservation and Regeneration of traditional urban centers in the Islamic world: learning from regional Experiences and Building Partnerships". Irbid-Amman, Jordan, January, 2002
Workshop title: Computing and Information Technology Applications in Heritage Conservation.
- The Fifth Conference on Computer-Aided Architectural Design Research in Asia. Singapore, 2000.
Presentation title: Learning Virtually: A Paradigm Shift in Design Education.

- Symposium of the Third Arabic Architectural Exhibition for Graduation Projects. Department of Architecture, Damascus University. Damascus, Syria, November 2001. Presentation title: Virtual Teaching: A Paradigm Shift in Architectural Education.
- Learning Virtually: The 6th Annual Distance Education Conference (Dec 1999). San Antonio, USA, 1999
Presentation title: Observations on Collaborative Design and Multimedia Usage in Virtual Design Studio.

Conference/Seminar Attendance without Presentation

- The seventh International Conference of the Arab Society for Computer Aided Architectural Design (ASCAAD 2014). Department of Architecture, Effat University. Jeddah, Saudi Arabia, April, 2014.
- Second International Conference of Jubail City Planning Forum. The Royal Commission for Jubail and Yanbu. Jubail, Saudi Arabia, 11-12 Feb., 2014.
- The Third National Urban Heritage Forum. Taibah University, Al Madina. Al Madina, Saudi Arabia, December 2013.
- Sustainability through Bio-mimicry. University of Dammam. Dammam, Saudi Arabia, 26-28 Nov, 2012.
- The First International Conference on Sustainable Architecture and Urban Development (SAUD 2009). Tripoli, Libya, November, 2009.
- Instant Cities: Emergent Trends in Architecture and Urbanism in the Arab World. Sharjah, UAE, 2008
- The First International Conference on Conservation of Architecture and Urban Areas (Heritage 2008). Amman, Jordan, 2008
- The First International Conference on Digital Media and its Applications in Cultural Heritage (DMACH 2008). Amman, Jordan, 2008
- International Conference on Regional Architecture and identity in the Age of globalization. Tunis, Tunisia, 2007.
- International Conference on Changing Trends in Architectural Design Education: Sharing Experiences and Building Partnerships across the Mediterranean Rim. Rabat, Morocco, November, 2006.
- "Computing in Architectural Design- Rethinking the Discourse", The Second International Conference of the Arab Society for Computer Aided Architectural Design (ASCAAD 2006). Sharjah, UAE, December, 2006.
- First Symposium on the Development of the Academic City Planning Programs and Practice in Saudi Arabia. Prince Mohammad bin Fahd University. Khobar, Saudi Arabia, 14-15 Oct, 2003
- The First International Symposium on Computer and Information Technology Applications in Architectural Education and Practice. Amman, Jordan, May, 2001.
- 7th Annual Distance Education Conference (Dec2000). Austin, USA, 2000.

INVITED LECTURE PRESENTATIONS

- "Highlights on the Activities' of the Center of Research Excellence in Mosque Architecture, KFUPM", invited public lecture by Abdullatif Al Fozan Award for Mosque Architecture, Al-Khobar, 25 September, 2018.

- "Green Architecture in the Saudi Context: Highlights on KFUPM Experience", Invited lecture organize by Saudi Council of Engineers in collaboration with the Jordanian Engineers Association, East Province branch, at the Chamber of Commerce, Al-Khobar, 13 May 2018.
- "Highlights on the Development Process of the Saudi Sustainable Building Assessment System", Lecture at the Local Experts Panel, the Saudi Council of Engineers, Al-Khobar, January 2016.
- "Green Architecture Assessment: The Role of Sustainable Building Assessment System". Invited lecture at Amarooha Annual Seminar & Exhibition, Department of Architecture, KFUPM, April 21, 2015.
- "Vernacular and Regional Architecture Dimensions in the Architectural Education at KFUPM". Invited lecture at Al Turath Foundation, Riyadh, Saudi Arabia, March 15, 2008.
- "Architecture Education in Jordan", Invited lecture at "Training for Regional Editors: Survey of Architectural Education and Practice in the Islamic World", workshop organized by the Aga Khan Trust for Culture-AKTC, Geneva, Switzerland, 2007.
- "Potentials of Virtual Realty in Architectural Design Education". Invited lecture, Seminar Series, College of Environmental Design, KFUPM, Saudi Arabia, March 2007.
- "Virtual Design Studio: Rethinking or integration". Invited lecture, Department of Architecture, King Abdel Aziz University, Jeddah, Saudi Arabia, April 2005.
- "Virtual Realty in Architectural Design Education: A paradigm Shift". Invited lecture, Department of Architecture, King Faisal University, Dammam, Saudi Arabia, March 15, 2004.

ACADEMIC PROGRAM DEVELOPMENT AND REVIEW

- Accreditation Review of the Master of Science in Urban Design (MSUrbDsn) program, Effat University (EU), Jeddah, KSA. Program Accreditation Review for NCAAA, to start 7 March, 2020.
Invited by the National Commission for Academic Accreditation and Assessment (NCAAA) to participated as a *Chair* of the Program Accreditation Review Panel to review and accredit the MSUrbanDsn program at EU.
- ***Accreditation review of Architectural Engineering Program***, Prince Sultan University (PSU), Riyadh, KSA, Program Accreditation Review for NCAAA, completed 12 November 2019.
Invited by the National Commission for Academic Accreditation and Assessment (NCAAA) to review the Bachelor of Architectural Engineering Program, PSU, as a *member* in the Program Accreditation Review Panel. Contracted consultation.
- ***Accreditation review of the Building Engineering Program***, Imam AbdulRahman bin Faisal University (IAU), Dammam, Program Accreditation Review for NCAAA, completed 3 April 2018.
Invited by the National Commission for Academic Accreditation and Assessment (NCAAA) to review the Bachelor of Science in Building Engineering program, IAU, as a *member* in the Program Accreditation Review Panel. Contracted consultation.
- ***Accreditation review of the Urban Planning and Design***, King Saud University (KSU), Program Accreditation Review for NCAAA, completed in April 2016.
Invited by the National Commission for Academic Accreditation and Assessment (NCAAA) to review the Bachelor of Science in Urban Planning and Design program, KSU, as a *member* in the Program Accreditation Review Panel. The Committee has visited KSA for 4

days in which we examined all documentations submitted by the Program for accreditation. A final accreditation review report has been submitted to NCAAA. Contracted consultation.

- ***Review and assessment of the Architecture Program***, Effat University, Jeddah, Saudi Arabia. Completed October 2016.
Assessed and evaluated the Architecture Program. Reviewed and assessed the curriculum, program specifications, course description (45 courses), and course specification. The curriculum has been carefully scrutinized and extensively assessed and measured against the requirements of the National Commission for Assessment and Academic Accreditation (NCAAA) to ensure quality and accreditability. Contracted consultation.
- ***Design and development of the Interior Design (INT) Program***, College of Architecture and Design, Al Fyha College, Jubail. Completed March 2015.
Developed the Interior Design program which included developing the program mission, educational objectives, learning outcomes, study plan, mapping of program educational objectives to program learning outcomes, mapping of courses to program learning outcomes, program specifications, and specification of each course (including course number and title, course objectives and learning outcomes, course prerequisites/co-requisites, credit hours in terms of lecture and lab, and contact hours, teaching methods, assessment methods, and course textbook and references). Contracted consultation.
- ***Review and assessment of the Academic Programs of the Bachelor of Science in Design***, Effat University, Jeddah, Saudi Arabia. Completed August 2014.
Assessed and evaluated the newly designed "Bachelor of Science in Design" Program, hosted in the College of Engineering. Reviewed and assessed the curriculum, program specifications, course description (44 courses), and course specification. The curriculum has been carefully scrutinized and extensively assessed and measured against the requirements of the National Commission for Assessment and Academic Accreditation (NCAAA) to ensure quality and accreditability. Contracted consultation. Contracted consultation.
- ***Revision of the Undergraduate Architecture Program***, Department of Architecture, KFUPM. Chair of ARC Program Revision Committee. Completed January 2016.
Led the efforts in revising the current ARC program at KFUPM. Developed 18 new courses in the new ARC program.
- ***Develop a Master of Architecture Program***, Department of Architecture, KFUPM. Chair of the Master Program Development Committee. Work concluded in May 2017, and the program in final approval stage.
Led the efforts in developing the Master of Architecture Program at KFUPM. I chaired the Master Program Development Committee for couple of years. Proposal has been finalized and submitted for internal and external reviews. Final approval is expected this semester (first semester 2018) and the program is expected to start second semester 2018.
- ***Review and assessment of Architecture Program***, at College of Architecture and Digital Design (CADD), Dar Al-Uloom University (DAU), Riyadh, Saudi Arabia. Completed 2009.
Assessed and evaluated the newly designed Architecture Program. Academic curriculum, program specifications, course description, course specification. The program has been carefully scrutinized and extensively assessed and measured against the requirements of the National Commission for Assessment and Academic Accreditation (NCAAA) and the National Architectural Accrediting Board((NAAB) to ensure quality and accreditability. Contracted consultation.
- ***Review and assessment of Interior Design Program***, at College of Architecture and Digital Design (CADD), Dar Al-Uloom University (DAU), Riyadh, Saudi Arabia, 2009.

Assessed and evaluated the newly designed Interior Design Program. Academic curriculum, program specifications, course description, course specification have been carefully scrutinized and extensively assessed and measured against the requirements of the National Commission for Assessment and Academic Accreditation (NCAAA) and The Council for Interior Design Accreditation (CIDA) to ensure quality and accreditability. Contracted consultation.

- ***Review and assessment of Graphic Design Program***, at College of Architecture and Digital Design (CADD), Dar Al-Uloom University (DAU), Riyadh, Saudi Arabia, Completed 2010. Reviewed and assessed the newly established Graphic Design Program. The curriculum, program specification, course specification of the Program have been reviewed and assessed against the requirements of international accreditation bodies (National Association of Schools of Art and Design- NASAD) and the local accreditation body (the National Commission for Assessment and Academic Accreditation -NCAAA) to ensure accreditability. Contracted consultation.
- ***Review of Architecture Program***, Department of Architecture, Jordan University of Science and Technology, Jordan, 2003.
Participated in assessing the architecture program, as part of the department internal assessment activities. Member of the Program Revision Committee.

TECHNICAL REVIEW OF RESEARCH PAPERS

Review for Refereed Journals

- Pre-publication reviews for several high profile ISI journals such as "Architectural Engineering and Design Management", "Open House International Journal", "Journal of Urbanism: International Research on Placemaking and Urban Sustainability", "Frontiers of Architectural Research", and "Journal of Architecture and Planning"
- Guest Editor for a special issue of "Open House International", an ISI Journal. Special issue theme "Architecture in the Digital Age: The effect of digital media on the design, production and evaluation of the built environment", Vol 32, No.2, 2007.
- Editorial Board Member of the "Building Research & Information".

Review for Refereed International Conferences

- "Build green and renovate deep" SBE16 Tallinn – Helsinki Conference, Finland, 5-7 October 2016.
- "Intelligent Built Environment for Life" CIB World Building Congress 2016, Tampere, Finland, May 30 - June 3, 2016.
- "Sustainable heritage: global vision local experience", The 4th International Architectural Conservation Conference & Exhibition, organized by Dubai Municipality, 8-10 February 2016.
- The Third International Architectural Conservation Conference & Exhibition, organized by Dubai Municipality, 17-19 December 2012.
- The Second International Conference on Digital Media and its Applications in Cultural Heritage (DMACH 2011), Amman, Jordan, 2011
- The Second International Conference on Conservation of Architecture and Urban Areas (Heritage 2011). Conference theme "Conservation of Architecture, Urban Areas, Nature & Landscape Towards a Sustainable Survival of Cultural Landscape", Amman, Jordan, 2011.

- SB11 - World Sustainable Building Conference. Organized by the Finnish Association of Civil engineers RIL and VTT Technical Research Centre of Finland, Helsinki, Finland, 18-21 October 2011.
- The Second International Conference on Sustainable Architecture and Urban Development (SAUD 2010), University of Jordan, Amman, Jordan, July 2010.
- The First International Conference on Sustainable Architecture and Urban Development (SAUD 2009), Al Fateh University, Tripoli, Libya, November 2009.
- CSAAR Third International Conference, Instant Cities: Emergent Trends in Architecture and Urbanism in the Arab World, American University of Sharjah, UAE, 1-3 April, 2008
- The First International Conference on Digital Media and its Applications in Cultural Heritage (DMACH 2008), University of Petra, Amman, Jordan, 2008.
- The First International Conference on Conservation of Architecture and Urban Areas (Heritage 2008). Conference theme "Responsibilities and Opportunities in Architectural Conservation: Theory, Education, and Practice". University of Petra, Amman, Jordan, 2008.
- CSAAR Second International Conference on Regional Architecture and identity in the Age of globalization, National School of Architecture and Urbanism, Tunis, Tunisia, 13-15 November, 2007.
- Embodying Virtual Architecture, the third international conference of the Arab Society for Computer Aided Architectural Design (ASCAAD 2007), Bibliotheca Alexandrina, Alexandria, Egypt, 28-30 November 2007.
- "Changing Trends in Architectural Design Education: Sharing Experiences and Building Partnerships across the Mediterranean Rim", CSAAR First International Conference, The National School of Architecture, Rabat, Morocco, 14-16 November, 2006.
- "Computing in Architectural Design- Rethinking the Discourse", The Second International Conference of the Arab Society for Computer Aided Architectural Design (ASCAAD 2006). American University of Sharjah, UAE, 25-27 April 2006.
- Vision and Visualization: The 9th Iberoamerican Congress of Digital Graphics (SIGraDi 2005). Lima, Peru, 21-24 November 2005.
- "E-design in Architecture", The First International Conference of the Arab Society for Computer Aided Architectural Design (ASCAAD 2004). Department of Architecture, KFUPM, Saudi Arabia, 7-9 December 2004.
- Fabrication, The 2004 Conference of the Association for Computer-Aided Design in Architecture (ACADIA 2004), Cambridge and Toronto, Canada, November 2004.
- Connecting: Crossroads of Digital Discourse, The 2003 Conference of the Association for Computer-Aided Design in Architecture (ACADIA 2003), Ball State University, Indianapolis, USA, 2003.
- The First International conference on "Conservation and Regeneration of traditional urban centers in the Islamic world: learning from regional Experiences and Building Partnerships", Jordan University of Science & Technology, Jordan, 19-25 January 2002.
- The First International Symposium on Computer and Information Technology Applications in Architectural Education and Practice. Jordan University of Science & Technology, Jordan, 16-17 May 2001.

COMPUTER EXPERIENCE (Software Development)

- Development of the "Visual Resources Information System for Pedagogical Purposes at College of Environmental Design (CED)", A distributed, computer-based system that enables students and faculty to search and retrieve visual materials available at CED (College of Environmental Design) for educational processes. The system integrates the various visual resources and makes them available over the college network. 2004-2005.
- Developing an interactive virtual tour through KFUPM campus using panorama technology. Users can navigate KFUPM campus in 3D and interact with it over the Internet. November 2004 – August 2005.
- Online course development (ARC 110 - History of Architecture). Programming and implementation team leader. May 2003-May 2004.
- Nacogdoches' historic buildings Database. A database application to store, retrieve and update multimedia information - text, graphics, video- about Nacogdoches' historic buildings. The application is implemented using Visual Basic and OLE technology. (*Center for Housing and Urban Development, Texas A&M*). 1999.
- Designed an interactive Web site for marketing the historical structure of Nacogdoches city, Texas. The site provides Internet-database access for historical, physical, legal and economic data. The site is implemented using Java, JavaScripting, and Vbscript in an Active Server Pages (ASP) context. (*Center for Housing and Urban Development, Texas A&M*). 1998.
- Developed a prototype for Operational Documentation System (ODS) using Intranet technologies. The system supports many facility management processes in USSA Company, San Antonio. (*CRS Center, Department of Architecture, Texas A&M*). 1998.
- Developed a distributed, Internet-based projector, CyberView, that use the concept of distributed visual libraries to access design information and prepare and present lectures and design presentations. (*Course project*). 1997.
- Developed a number of graphical user interfaces for lab experiments, Environmental and Psychophysiology Lab. (*Department of Architecture, Texas A&M*). 1997.
- Involved in a project to develop a computer application to calculate and predict water and energy consumption in buildings (*Construction Department, Texas A&M*). 1996.

SERVICE

Department Level

- Architecture Department Coordinator, for four years 2017-present. Responsible of all administrative aspects of the department including proposing and developing academic and research action plans for the Department and overseeing their implementation. Main achievements of the department in the last two years under my leadership as Department Coordinator include revising the undergraduate program and its implementation, developing new master of architecture program and planning and implementing the accreditation and quality assurance plan for the undergraduate program.
- Accreditation & Quality Control Committee, chair for four years 2014 -2019.
- Undergraduate Program Revision Committee, chair for four years 2012-2017.
- NCAA Accreditation Committee, in different capacities as member & chair 2011-2014.
- Master Program Committee, for six years in different capacities as member & chair 2011-2019.
- Architecture Department Advisory Committee, member 2013 -2018.

- Program Promotion Committee, for several years.
- Textbook Committee, member for two years.
- Senior Project Committee, in different capacities as member & chair 2007-2019.
- Faculty Search and Recruitment Committee, for five years in different capacities as member & chair 2005-2014.
- Program Self-Assessment Committee, member 2004-2013.
- Department Strategic Planning Committee, member 2003-2004.
- Virtual Reality Lab Committee, chair 2003-2010.
- In addition to over 15 departmental ad-hoc committees.

College Level

- College Strategic Planning Committee, member 2016-2020.
- College Council, member Sept 2017- present.
- CED (College of Environmental Design) Seminar Coordinator, chair for years 2006-2009.
- KFUPM NCAAA Committee (National Center for Academic Accreditation and Evaluation), member, college representative 2015-2020.
- CED Continuing Education, chair 2005-2006.
- CED Information Technology Committee, for three years in different capacities as member & chair.
- In addition to over 100 college-level ad-hoc committees.

University Level

- Committee for Academic Advising, member for two years 2017-2019.
- Summer Training and COOP Standing Committee, member for four years 2014-2019.
- Research Committee, member 2008-2009.
- Committee to Study Feasibility of Offering Associate Degree in Real State, member 2017-2018.
- Committee to Assess Program Accreditation by National & International Bodies, member 2017-2018.
- Committee on the Development of Engineering Drafting and Design Associate Degree, member 2015-2016.
- Committee on KFUPM Senior Design Project, member 2015-2016.
- Committee to Cooperate with the "National Center for Assessment in Higher Education", member 2012-2013.
- Committee on the Design of KFUPM 50 Anniversary Celebration Logo, member 2011-2012.
- Committee on Design Guidelines of Master Plan for KFUPM Beach, chair 2005-2007.
- In addition to over 5 university-level ad-hoc committees.

HONORS/AWARDS

- "Distinguished Teacher Award" for the academic year 2016-2017, KFUPM, 2017.

- Graduate Research Assistantship, Department of Architecture, Texas A& M University, 1997 – 1999.
- Scholarship for pursuing PhD Studies, by Jordan University of Science and Technology (JUST), September 1995 – December 1999.
- Graduate Research Assistantship, Department of Architecture, University of Jordan. 1991 – 1992.
- Honors List, Yarmouk University, 1985.

MEMBERSHIP OF PROFESSIONAL SOCIETIES

- Director, The Center for the Study of Architecture in the Arab Region (CSAAR), Nonprofit research center, Jordan, 2005 – 2012.
- Founding Chair of the Arab Society for Computer Aided Architectural Design (ASCAAD), 2001-2004.
- Member of the Arab Society for Computer Aided Architectural Design (ASCAAD), since 2001.
- Member of Association for Computer Aided Architectural Design Research in Asia (CAADRIA).
- Member of Association for Computer Aided Design in Architecture (ACADIA).
- Registered Architect, Jordan Association of Architects, since 1987.

REFERENCES

Available upon request.