

RESUME



Architectural Engineering Department,
College of Engineering, UAE University,
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Al Ain United Arab Emirates.
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EDUCATION

PhD

July 2007

School of Architecture and Building Engineering,
University of Liverpool

Liverpool, UK

Major in Project/ Design Management in construction – Research work aimed at utilizing Decision Support technologies and risk assessment methodologies to improve the architectural space programming and feasibility cost estimating of public projects, also developed a web-based Decision Support System for UAE Healthcare project appraisal.

Master of Architecture

May 1995

Illinois Institute of Technology (IIT), College of Architecture

Chicago, IL, USA

Awarded scholarship for Master degree based on academic merits and professional skills/experience. Area of concentration: Bioclimatic Office Buildings. Major G.P.A: 3.91/4.00 & Cumulative G.P.A. 3.83/4.00

Master Certificate in Construction Management

May 1995

Illinois Institute of Technology (IIT),

Armour College of Engineering, Civil Engineering Department

Chicago, IL, USA

Aimed at providing a strong background in decision making at managerial level. Topics covered: Economic Decision Analysis in Construction, Construction Projects Administration, Cost Estimating and Control, Construction Planning and Scheduling.

Bachelor of Science in Architectural Engineering

May 1988

College of Engineering, Department of Architecture
Alexandria University,

Alexandria, Egypt

Graduated with honours, ranked top of graduation class (housing section).

Specific programs for improving academic and professional competence

- Preparation course for Project Management Professional (PMP) certification.
Organized by Project Management Institute (PMI- AGC) Abu Dhabi (24-29) November, 2007)
- Embracing Complexity in the Built Environment - Course organized by both Salford and Liverpool Universities
Manchester, UK (2-6 July, 2007)
- Training course for Primavera Enterprise v.5.0 for Engineering & Construction, by *Collaboration, Management & Control Solutions (CMCS)*
Dubai (October, 2006)
- Workshop in Risk Management using PertMaster, *(PertMaster, UK)* Dubai, (September, 2005)
- Workshop in Risk Management for Executive Managers, by Institute for International Research (IIR)
Dubai, (March, 2004)
- Workshop in Value Engineering, by *Project Management Institute (PMI/AGC)*
Manama, Bahrain, (February, 2000)
- Workshop in Primavera P3, by *Illinois Institute of Technology (IIT)* Chicago, IL, USA, (Feb. 1995)
- Program for Advanced Teaching Methods using blackboard, *(UAE University)* Al Ain, (2005-2010)

EXPERIENCE

United Arab Emirates University, College of Engineering Architectural Engineering Department- ABET accredited

Al Ain, UAE

August 2008 – till present

Assistant professor

- Active as a speaker in the Project & Design Management area at both local and international levels.
- Teach/co-teach courses in Architectural Engineering as well as Master & PhD programs, in the following areas:
 - ❖ Construction/Construction Management: ARCH 440: Project Management in Construction; ARCH 330: Building Constructions I; ARCH 503: Building Construction Detailing.
 - ❖ Building Design Studios: ARCH 400: Design III; ARCH 405: Architectural Design for constructed facilities I&II; ARCH 508: Interior Architecture; ARCH 590: Graduation Project I & II.
 - ❖ Project/Design Management- Master Program: ENG 605: Project Management for engineers (MEM program); ARCH 604: Architectural Management; ARCH 627: Sel. Top. in ARCH Eng. 2-Post Occupancy Evaluation (BOE); ARCH 698: Research Based Design Project (POE).
 - ❖ Project Management- PhD Program: ARCH 740:Indep. Research in AE1- VM & Project Briefing; ARCH 741: 'Indep. Research in Arch. Eng. 2- RM for Oil and Gas industry; ARCH736: Adv. Topics in Architectural Eng. II- PPP Briefing; ARCH 790: Dissertation Doctoral Research.
- High teaching effectiveness, as evidenced by anonymous course evaluations by students. Also participated regularly in university seminars and workshops on innovative teaching approaches and methodologies.
- Frequent use of the state-of-the-art technology in teaching activity.
- Consultations/advising activities:
Provide consultations for UAE governmental & private organizations in the area of Project & Design Management including; project appraisal, client briefing/scope management, architecture space programming, and organization re-structuring, dispute resolution. Examples include:
 - Participation, as “Experts Committee” member, Judicial Department, Abu Dhabi- November 2011- March 2012. Main responsibility include: evaluate and inspect existing construction project to support judge decision for dispute court case. 13 site visits took place, A technical report was developed and submitted to Abu Dhabi Judicial Department.
 - Participation, as committee member, in the “Client Briefing Review”, summer 2008, for the new campus development project of UAE University (1.7 billion Dhs). Activities included: reviewing different client briefing and architectural space programs for several colleges/units developed by the master planner and conducting several discussing, from end-user perspective, to ensure comprehensive project briefing.
 - As PM consultant, a comprehensive study was conducted during summer 2007 for NAGA Architects, Dubai, tasks include: Organization restructuring; implement best PM practices; and select suitable Project Information Management System to link regional and local offices of the firm.
 - Participation, as committee member, May 2004, in the “Technical Evaluation of PMC Proposals for the New Development at Al Raha Beach”, Abu Dhabi, UAE. Services were offered to Abu Dhabi Municipality. Activities include: Comprehensive reviewing of PMC proposals; interviewing senior management staff; developing an evaluation criteria. Recommendations then were presented. Five major PM firms were evaluated including: Turner Int., Bovis Lend Lease, Parsons, CRSS Int., and Consult Ltd.
- Also worked as Instructor, in same AE department, UAEU from Aug 1997- May 2008. Teach/co-teach several courses in Architectural Engineering curriculum.

Cegelic - (Qatari Engineering and Associates)

Paris/ Doha, Qatar

Agri Consult VBB - (Qatari Engineering and Associates)

Stockholm/ Doha, Qatar

December 1995- August 1997 & February 1992 -April 1993

Project Architect- Project/Design Manager

As a Project/Design Manager, I was responsible for several Project/Design Management activities for a number of public and private projects. Activities/responsibilities include:

- Actively managing the overall project development processes throughout the appraisal, design, Detailing and construction phases, starting with the development of project brief & investment/option appraisals; design and detailing; tendering and project administration. Also communicate/liaison with client/stakeholder organizations during project critical phases for obtaining their feedback as well as their go/no-go decisions.
- Assigning manpower responsibility for every project and motivate the project team to achieve the project goals. Also oversee and monitor the project team performance.

- Providing written reports to senior management level of the company and regularly review the effectiveness of office management procedures and recommend changes as appropriate to company senior managements.
- Planning and scheduling for project different phases and coordinate their details with in house staff as well as project stakeholder organizations. In addition, co-ordinate and planning project submissions and subsequent negotiations with relevant authorities.

As a Project Architect, I handled projects throughout conceptual, Design Stage, Design Development, till the Production of working drawing and site administration/supervision.

List of handled projects includes:

- National Control Centre, (\$75 millions), to control Qatar electricity, a joint venture with Cegelic, France.
- Flour Mill Complex at Doha Port (\$90 millions), a joint venture with Agri-Consult VBB, Sweden.
- Architectural space Programming and Design development for the Hamad Hospital Outpatient Department Extension.
- Other projects include: Handicapped schools for the Qatari ministry of Education, planning and design of the West-bay Development Lagoon, paper factory and a variety of and various villa palaces in Doha, Qatar.

Architecture & Planning Group (APG)

Alexandria, Egypt

January 1991 – February 1992

Senior Architect

- Produced schematic designs and/or working drawings for the following projects: The Egyptian Embassy in Djibouti (first prize in a limited competition), Emergency Hospital in Alexandria, Virginia Tourist Village (west of Alexandria), and Club Med. Hotel in United Arab Emirates (First Prize in limited competition).

Engineer Consultant ZAKI M. FARSI

Jeddah, Saudi Arabia

January 1990 – September 1990

Senior Architect

- Produced schematic designs and/or working drawings for the following projects: Al Falah Hotel (first prize in a competition), a commercial residential complex (Jeddah), various palaces in Jeddah and Riyadh.

AG Architecture Consultant

Alexandria, Egypt

June 1988- January 1990

Architect

- Produced schematic designs and/or working drawings for the Conference Centre of Alexandria University, The Historical Revival Library of Alexandria (international competition) and planning the new campus for the Arab Marine Academy.

PRIVATE WORK

- Landscape design of Municipality Park in Alexandria International Festival Park. Alexandria, Egypt.
- Competition for designing a residential building in Alexandria (Second Prize in a national competition).
- Participant, among a team of American and Egyptian architects, in “Samarkand Revitalization” an international competition organized by the Aga-Khan Association.

PUBLICATIONS

Refereed Book Chapters

Abdou, A, Radaideh, M and Lewis, J, and Al Zarooni, S (2008) Web-based information systems in construction: A case-study for healthcare projects. *In: Freire, M and Pereira, M (Eds.), Encyclopedia of Internet technologies and applications*. Hershey, PA, USA: IDEA Group Reference, IDEA Group Inc., pp. 702-710.

Abdou, A, Radaideh, M and Lewis, J (2005) Decision support systems and their application in construction. *In: Kazi, A (Ed.), Knowledge management in the construction industry: A socio-technical perspective*, pp. 274-96. Hershey, PA, USA: IDEA Group Inc.

Articles in Refereed International Archival Journals

Abdou, A., Lewis, J., & Al Zarooni, S. (2013). The evaluation of a web-based decision support system for healthcare project appraisal. *Int. J. Project Organisation and Management*, 5(1/2), 69–90 .

Al Zarooni, S., Abdou, A., & Lewis, J. (2011). Improving the Client Briefing for UAE Public Healthcare Projects: Space Programming Guidelines. *Architectural Engineering and Design Management*, 7(4), 251–265.(by Taylor & Francis.

- Al Zarooni, S, Abdou, A and Lewis, J (2005) UAE healthcare project appraisal: Towards better feasibility. *International Journal of Architecture Science Review*, 49, 31-41.
- Abdou, A, Lewis, J and Radaideh, M (2003) An internet-based decision support system for healthcare project appraisal: A conceptual proposal. *International Journal of Construction Innovation: Information Process*, 3(3), 145-55
- Articles in Refereed International Archival Journals (under progress)
 - Abdou, A., Haggag, M. and Al Khatib, O. (2015) The use of building defects diagnosis in construction litigation: A case study of a residential building in the UAE. *Journal of Legal Affairs and Dispute Resolution in Engineering and Construction*. ASCE Journal (under review)
 - Al Saadi, R. & Abdou, A. (2015) The Critical Success factors for PPP in UAE infrastructure projects. *Journal of Construction Engineering and Management*. ASCE Journal (under review)
 - Al-Khatib, O., Abdou, A., (2015), Application of Ethical and Moral Frameworks in Construction Engineering: A closer Look to A Case Study. *Journal of Science and Engineering Ethics*, Springer (In progress)
 - Articles in Refereed Regional Archival Journals
 - Kenzari, B and Abdou, A (2002) Design 4 studio: Arabesque. *Architecture+*, 1, 116.
 - Articles in Refereed International Conference Proceedings
 - Abdou, A. (2015) The use of post occupancy evaluation in UAE healthcare projects Proc. of CITC-8: Changing the Field: Recent Developments for Future Engineering and Construction, May 27-30, Thessaloniki, Greece (In progress)
 - Al Saadi, R. and Abdou, A. (2014) Factors critical for the success of PPP brief development, with special interest to Abu-Dhabi Emirate. Proc. of smart, sustainable and healthy Cities, first International conference of the CIB Middle East and North Africa Research Network (CIB-MENA), 14-16 December, Abu Dhabi, UAE. (under review).
 - Al Saadi, R. and Abdou, A. (2013) The use of public-private partnership in infrastructure development in gulf cooperation council countries. Proc. of International Conference on PPP Body of Knowledge (P3Book) 18-20 March 2013, Westleigh Conference Centre, Preston, UK, A1-14.
 - Abdou, A., Haggag, M., & Al Khatib, O. (2012). The Inspection of Marble Flooring Using Infrared Spectroscopy: A case Study of Residential Building in Abu Dhabi, UAE. Paper presented at the Third International Conference on Construction in Developing Countries (ICCIDC-III) "Advancing Civil, Architectural and Construction Engineering & Management", 4-6 July, Bangkok, Thailand.
 - Abdou, A., & Al Zarooni, S. (2011). Preliminary Critical Success Factors of Public Private Partnership (PPP) in UAE Public Healthcare Projects. Paper presented at the Six International Conferences on Construction in the 21st Century (CITC-VI) "Construction Challenges in the New Decade", 5-7 July Kuala Lumpur, Malaysia.
 - Abdou, A, Lewis, J and Al Zarooni, S (2010) 'Subjective evaluation of a web-based decision support system for healthcare project cost appraisal'. In, 7th International Cost Engineering Council World Congress & 14th Pacific Association of Quantity Surveyors Congress, 23-27 July, Singapore, A_KM_ABD, 1-12.
 - Abdou, A and Lewis, J (2010) 'Uncertainty modeling for architectural space programming and cost estimating: A probabilistic model for healthcare projects'. In, Second International Conference on Construction In Developing Countries (ICCIDC-II), "Advancing and Integrating Construction Education, Research & Practice", 3-5 August, Cairo, Egypt, AE01_1-13.
 - Abdou, A and Lewis, J, Al Zarooni, S (2007) Evaluation strategy for a Web-based decision support system for healthcare projects. In, *International Conference on Construction and Real Estate Management (ICCREM 2007)*, 21-22 August, the University of the West of England, Bristol, UK, 498-503.
 - Abdou, A, Al Zarooni, S and Lewis, J (2005) Risk identification and rating for public healthcare projects in the United Arab Emirates. In, *COBRA 2005: The Construction Research Conference of the RICS Foundation*, 4-8 July, Brisbane, Australia.
 - Al Zarooni, S, Abdou, A and Lewis, J (2004) Factors affecting architectural space programming for UAE public healthcare projects. In, *CIB 2004: Globalization and Construction: Meeting the Challenges, Reaping the Benefits*, 17-19 November, Bangkok, Thailand, 783-93.
 - Abdou, A, Lewis, J and Al Zarooni, S (2004) Modelling risk for construction cost estimating and forecasting: A review. In: Khosrowshahi, F (Ed.), *ARCOM Twentieth Annual Conference*, 1-3 September, Heriot Watt University, UK, Vol. 1, 141-52.
 - Abdou, A, Lewis, J and Radaideh, M (2003) Utilizing architectural space programming for early cost estimating: A web-based solution for UAE healthcare projects. In: Anumba, C (Ed.), *2nd International Conference on Innovation in Architecture, Engineering and Construction (AEC)*, 25-27 June, Loughborough, UK, 387-99.
 - Abdou, A, Lewis, J and Radaideh, M (2003) Web-based inception decision support system for public healthcare construction projects. In, *14th IRMA International Conference, Information Technology and Organizations: Trends, Issues, Challenges and Solutions*, 18-21 May, Philadelphia PA, USA. IDEA Group Inc., 545-8.

- Abdou, A (2000) Collaborative management tools in the information technology era. In, *7th Annual Conference of the Project management Institute (PMI-AGC)*, February, Bahrain, F1-F16.
- Al Zarooni, S and Abdou, A (2000) Risk management in pre-design stage and its potential benefits for UAE public projects. In, *28th World Congress on Housing Challenges for the 21st Century*, 15-19 April, Abu Dhabi, UAE, 109-18.
- Articles in Refereed Regional Conference Proceedings
 - Al Zarooni, S and Abdou, A (2005) Improving client briefing for UAE public healthcare projects: Towards better space programming. In, *The Sixth Annual UAE University Research Conference*, 24-26 April, Al Ain, UAE.
 - Radaideh, M and Abdou, A (2005) Reengineering the appraisal process: The construction of a web-based system for UAE public healthcare projects. In, *Sixth Annual UAE University Research Conference*, 24-26 April, Al Ain, UAE.
 - Hadjri, K, Abdou, A. and Boussaa, D (2003) Spatial structures of housing estates in Al Ain: the use of space syntax, In *fourth Annual UAE University Research Conference*, Al Ain, UAE, 27-29 April,
 - Technical Articles
 - Abdou, A. (1999) Construction planning and scheduling in the information technology era, technical article, ARCH Architectural Engineering Department Magazine, July, Al Ain, UAE

RESEARCH INTERESTS

- Construction Project and Design Management, Risk Management, Client Briefing, Public Private Partnership (PPP), Post Occupancy Evaluation, and IT applications in Project/Design Management

MASTER AND PHD SUPERVISION

- Main advisor, PhD Thesis, topic: “A Framework for Guiding the Briefing Process of PPP Projects in UAE Construction Sector” Student name: Rauda Al Saadi (expected June 2015)
- Main advisor, Master of AE, topic: Post Occupancy Evaluation for Education Facilities: The Case Study of ADEC Future School Model Cycle One, Student name: Aysha Salem Al Bloushi (graduated June 2014)
- Main advisor, Master in AE, topic: Performance Evaluation of Health-Care Facilities: a case study of in Vitro Fertilization Unit in Tawam Hospital, Al-Ain, Student name: Haya Jamil (graduated June 2014)

RESEARCH PROJECTS & GRANTS

- Principal investigator for a research project funded by UAEU and titled: “Post Occupancy Evaluation of UAE Healthcare Facilities: a Case Study of a Medical Department in Al Ain City”, Granted Budget (16,000 Dhs), Academic year 2013/2014.
- Principal investigator for a research project funded by UAEU and titled: “Critical Success Factors of Public Private Partnership (PPP) in UAE Healthcare Project”, Granted Budget (10,000 Dhs), Academic year 2011/2012.
- Co-investigator for a research project funded by UAEU and titled: “Evaluating Client integration in Public Private Partnership (PPP) educational project: the case of the UAEU new campus project”, UAE Research Affairs. Granted Budget (10,000 Dhs), Academic year 2010/2011.
- Co-investigator for a research project funded by UAEU and titled: “Construction of a Web-Based Decision Support System for UAE Healthcare Project Appraisal”. Approved budget was 27.500 AED (Academic year 2003/2004).
- Research Associate for a research project funded by UAEU and titled: “Space programming Guidelines for UAE Healthcare Project Appraisal”. Approved budget was 30.000 AED (Academic year 2003/2004).
- Co-investigator for an Innovation in Teaching Grant funded by UAEU and titled: “Effective integration of Model-Making Techniques and Advanced CAD into Design Studio courses: The Application of Three-Dimensional Digitization in Architectural Design” (Summer 2001).
- Research Associate for a research project funded by UAEU and titled “Spatial Structures of Housing Estates in Al Ain City”. Approved budget was 24.000 AED (Academic year 2000/2001)
- Co-investigator of a research project funded by UAEU and titled: “Cost estimating Framework for Public Healthcare Facilities: A Risk assessment approach”. Approved budget was 30.000 AED (Academic year 2000/2001).

REFeree OF TECHNICAL ARTICLES

- Registered Reviewer, Construction Management and Economics Journal, Spon Press, Taylor & Francis Group - <http://www.tandf.co.uk/journals/online/0144-6193.asp> (Since 2005).
- Registered Reviewer, Emirates Journal for Engineering and research, published by UAE university.
- International Scientific Committee, smart, sustainable and healthy Cities, first International conference of the CIB Middle East and North Africa Research Network (CIB-MENA), 14-16 December, 2014, Abu Dhabi, UAE.
- International Scientific Advisory Committee- Six International Conferences on Construction in the 21st Century (CITC-VI) "Construction Challenges in the New Decade", Kuala Lumpur, Malaysia, 5-7 July, 2011
- International Scientific Committee, Third International Conference on Construction in Developing Countries (ICCIDC-III) "Advancing Civil, Architectural and Construction Engineering & Management", July 4-6, 2012, Bangkok, Thailand.
- International Scientific Committee, International Federation of High-Rise structures (IFHS) – the 7th International Conference on Multi-Purpose High-Rise Towers and Tall Buildings, Dubai, UAE (December, 2005).
- Technical reviewing Committee, 3rd International Conference of the Arab Society for Computer Aided Architectural Design 2007, the Bibliotheca Alexandrina, Alexandria, Egypt, 28-30 November, 2007

UNIVERSITY AND COMMUNITY SERVICES

- Member of ABET Outcome Assessment Committee, department level. Main tasks: developing and conducting Exit Exams for graduating AE students every semester. Also participated in developing ABET assessment report for AY 2012/14).
- Member, Graduate Studies Committee, department level. Main tasks: Developing procedures and forms for Master and PhD programs, reviewing Master thesis proposals, arrange for several graduate studies events, such as Exams for master and PhD (AY 2011-14).
- Member, Master of Engineering Management (MEM) Committee, college level (AY 2010-14)
- Member, Building Construction/ Construction Management committee, Department level (AY 2014)
- Member, Committee for Community Services, Symposiums and Conferences. Department level (AY 2012).
- Chair, Scientific Field Trips committee, department level (AY 2010-12).
- Member, Committee for Environmental Design Competition EDC, College level. (AY 2002)
- A task-force member for investigation C/CM area for ABET AE curriculum, and benchmark with ABET accredited American Universities.
- Participated in organizing the Engineering Alumni Day and Architectural Department part, IT Building, Maqam Campus (30th April 2013).
- Conducted a three-day workshop for "Primavera Enterprise-V5", organized by Center for Continuing Education CCE, UAE University, December 2006.
- Participated in organizing the Engineering Alumni Day and Architectural Department part, IT Building, Maqam Campus (April 2013).
- One day public seminar titled "Risk Assessment & Management of Construction Project: a Model for UAE public projects". Dubai, April, 2010. Organized by Dubai Municipality UAEU- EFORS office.
- Participate in Examination Proctoring and Supervision Committee for General university courses.

COMPUTER SKILLS

Use variety of IBM and Macintosh personal computer systems. Software packages include:

- Project/Construction Management: Primavera Enterprise v.5.0, Microsoft Project, PertMaster, and @Risk
- Architectural: 3D Studio Max, Sketch-up, Coral Draw & Photoshop.
- Programming and Scripting Languages: PHP/MYSQL Web Scripting.

ADDITIONAL

Awards and Honors

- USA Peace Fellowship for Master degree based on academic merit and professional skills, 1995.
- Merit Certificate from 'Project Management Institute' (PMI/AGC) in recognition of paper presentation, Bahrain, February 2000.
- Merit Certificate from the 'Society of Egyptian Architects' for "Best Bachelor Graduation Projects".
- Merit Certificate from the 'Egyptian Engineering Syndicate', for ranking top of Graduation class

Professional Affiliations

- Project Management Institute (PMI- AGC)
- Egyptian Syndicate of Engineers (ESE)

Languages & Travel Experience: Fluent in English and Arabic. Have travelled extensively in the United States, United Kingdom and in the Middle East.

REFERENCES

Available upon request