

## Prof. OTHMAN SUBHI D. ALSHAMRANI



**PROFESSOR OF CONSTRUCTION  
ENGINEERING AND MANAGEMENT**

### Personal Data

Nationality | Saudi

Date of Birth | 12 June 1979

Department | Building Engineering

Official IAU Email | osalshamrani@iau.edu.sa

Office Phone No. | 31481

### Language Proficiency

Language	Read	Write	Speak
Arabic	✓	✓	✓
English	✓	✓	✓
Others			

### Academic Qualifications (Beginning with the most recent)

Date	Academic Degree	Place of Issue	Address
2012	PhD in Civil Engineering (Construction Engineering and Management)	Department of Building, Civil, and Environmental engineering, Concordia University	Montréal, Quebec, Canada
2007	Master of Building Science	School of Architecture, University of southern California	Los Angeles, California, USA
2002	Bachelor's in building engineering	Department of Building Science and Technology, School of Architecture and Planning, King Faisal University,	Dammam, Saudi Arabia



### PhD, Master or Fellowship Research Title: (Academic Honors or Distinctions)

PhD	Evaluation of School Buildings Using Sustainability Measures and Life-Cycle Costing Technique
Master	Selection of Structural Systems and Material – Minimizing Lateral Drift and Cost of Tall Buildings in Saudi Arabia

### Professional Record: (Beginning with the most recent)

Job Rank	Place and Address of Work	Date
Visiting Professor	Civil and Environmental Engineering Dept. University of Alberta, Canada	2019-2020
Associate Professor	Department of Building Engineering, College of Architecture & Planning, Imam Abdulrahman bin Faisal University, KSA	2016-now
Assistant Professor	Department of Building Engineering, College of Architecture & Planning, University of Dammam, KSA	2012-2016
Lecturer	Department of Building Engineering, College of Architecture & Planning, University of Dammam, KSA	2009-2012
Teaching Assistant	Department of Building Engineering, College of Architecture & Planning, King Faisal University, Dammam, KSA	2003-2009

### Administrative Positions Held: (Beginning with the most recent)

Administrative Position	Office	Date
Chairman	The Consultant House of Expertise	2024-Now
Dean	College of Engineering,	2016-2018
Chair	Department of Building Engineering	2013-2016

### Scientific Achievements

#### Published Refereed Scientific Researches

#	Name of Investigator(s)	Research Title	Publisher and Date of Publication
1	Abdulaziz S. Almohassen, Mohammed Alfozan, Othman Subhi Alshamrani,	Evaluating construction contractors in the pre-tendering stage through an integrated based model,	Alexandria Engineering Journal, Volume 82, 2023, Pages 437-445, ISSN 1110-0168.



	Mohammed Essam Shaawat,		
2	Alfalah, G.; Al-Shalwi, M.; Elshaboury, N.; Al-Sakkaf, A.; Alshamrani, O.; Qassim, A	Development of Fire Safety Assessment Model for Buildings Using Analytic Hierarchy Process	Appl. Sci. 2023, 13, 7740. <a href="https://doi.org/10.3390/app13137740">https://doi.org/10.3390/app13137740</a>
3	Alfalah, G.; Alasaibia, A.; Alshamrani, O.; Al-Sakkaf, A. A	Holistic Framework for Assessing the Quality of Building Construction in Saudi Arabia.	Buildings 2023, 13, 1666. <a href="https://doi.org/10.3390/buildings13071666">https://doi.org/10.3390/buildings13071666</a>
4	Alshibani, A.; Julaih, M.; Adress, A.; Alshamrani, O.; Almaziad, F.	Identifying and Ranking the Root Causes of Schedule Delays in Oil and Gas Pipeline Construction Projects.	Energies 2023, 16, 283. <a href="https://doi.org/10.3390/en16010283">https://doi.org/10.3390/en16010283</a>
5	Othman Subhi D. Alshamrani, Muhammad Saleem, Ibrahim Khalil AlYousif & Ayed Alluqmani	“Development of a Pre-Qualification and Selection Framework for Construction Projects’ Contractors in Saudi Arabia”,	Journal of Asian Architecture and Building Engineering, 12 <sup>th</sup> July 2022. DOI: 10.1080/13467581.2022.2087657
6	Mohammed Aldahash and Othman Alshamrani, Journal,	“Factors Affecting Construction Productivity for Steel Rebar Work in Hot Climate Country”,	The Open Construction & Building Technology Journal, Volume 16, published on 13 OCT 2022.
7	Al Qahtani, M., Alshamrani, O. A.	Comparison between Conventional and Advanced Maintenance for Office Buildings in Saudi Arabia	J. Inst. Eng. India Ser. A (2022). <a href="https://doi.org/10.1007/s40030-021-00609-x">https://doi.org/10.1007/s40030-021-00609-x</a>
8	Yousef Saad AlAwam, Othman Subhi Alshamrani, , Energy and Buildings	Initial cost assessment stochastic model for green buildings based on LEED score	Energy and Buildings, Volume 245,2021,111045, ISSN 0378-7788, <a href="https://doi.org/10.1016/j.enbuild.2021.111045">https://doi.org/10.1016/j.enbuild.2021.111045</a>
9	Mohammed, A.; Alshibani, A.; Alshamrani, O.; Hassanain, M.	A Regression-Based Model for Estimating the Energy Consumption of School Facilities in Saudi Arabia.	Energy Build. 2021, 237, 110809
10	Al-Khraishi, A.N., Alshamrani, O.S.	Maintenance Budget Allocation Assessment Model Based on Integrated Post-occupancy Evaluation of Hospital Buildings.	J. Inst. Eng. India Ser. A 102, 749–762 (2021). <a href="https://doi.org/10.1007/s40030-021-00534-z">https://doi.org/10.1007/s40030-021-00534-z</a>



11	Othman Subhi Alshamrani	Integrated LCA-LCC assessment model of offsite, onsite, and conventional construction systems	(2021), Journal of Asian Architecture and Building Engineering, DOI: 10.1080/13467581.2021.1942001
12	Hamida, A., Alsudairi, A., Alshaibani, K. and Alshamrani, O.	"Parametric study of the impact of building envelope systems on embodied and operational carbon of residential buildings",	(2021), International Journal of Building Pathology and Adaptation, Vol. ahead-of-print No. ahead-of-print. <a href="https://doi.org/10.1108/IJBPA-08-2020-0064">https://doi.org/10.1108/IJBPA-08-2020-0064</a>
13	Othman Subhi Alshamrani	Initial cost forecasting model of mid-rise green office buildings,	(2020) Journal of Asian Architecture and Building Engineering, 19:6, 613-625, DOI: 10.1080/13467581.2020.1778005
14	Hamida, A., Alsudairi, A., Alshaibani, K. and Alshamrani, O.	"Environmental impacts cost assessment model of residential building using an artificial neural network",	(2021), Engineering, Construction and Architectural Management, Vol. 28 No. 10, pp. 3190-3215. <a href="https://doi.org/10.1108/ECAM-06-2020-0450">https://doi.org/10.1108/ECAM-06-2020-0450</a>
15	Alshamrani, O.S.; Alshibani, A.	Automated decision support system for selecting the envelope and structural systems for educational facilities.	Build. Environ. 2020, 181, 106993. [CrossRef]
16	Saleem, M., Blaisi, N.I., Alshamrani, O.S.D. and Al-Barjis, A.	"Fundamental investigation of solid waste generation and disposal behaviour in higher education institute in the Kingdom of Saudi Arabia",	(2019), Indoor and Built Environment, Vol. 28 No. 7, pp. 927-937, doi: 10.1177/1420326X18804853
17	O Alshamrani, A Alshibani, M Alogaili,	"Analytic Hierarchy Process & Multi Attribute Utility Theory Based Approach for the Selection of Lighting Systems in Residential Buildings: A Case Study" -	Buildings. 2018; 8(6):73. <a href="https://doi.org/10.3390/buildings8060073">https://doi.org/10.3390/buildings8060073</a>
18	Adel Alshibani, Othman Ashamrani, M Essam Shaawat	Model for Estimating Construction Costs for Low-rise Residential Buildings	(2018), WIT Transactions on TheBuilt Environment, Volume 179, pp. 221–231, ISSN 221-3509.



19	Adel Alshibani & Othman Alshamrani,	"ANN/BIM-based model for predicting the energy cost of residential buildings in Saudi Arabia",	Journal of Taibah University for Science (Elsevier), NOV 2017.
20	Othman S Alshamrani, M Abdul Mujeebu, Noman Ashraf, Abdulaziz Al-Ghonamy, Mohamed Aichouni	"Selection of External Wall Material by LCC Technique for Office -Commercial Building in the Eastern Province of Saudi Arabia"	Journal of Architecture & Planning, JULY 2017
21	Othman Alshamrani, M Abdul Mujeebu,	"Effects of Shading Strategy and Orientation on Energy Performance of School Building"	Journal of Architecture and Planning, 2016. Vol 28, Issue 1, 2-016
22	Muhammad Abdul Mujeebu, Othman Subhi Alshamrani,	"Prospects of energy conservation and management in buildings–The Saudi Arabian scenario versus global trends",	Renewable and Sustainable Energy Reviews, Volume 58, May 2016, Pages 1647–1663.
23	Othman Alshamrani	" Prediction Model for Construction Cost of Conventional and Sustainable College Buildings in North America"	Journal of Taibah University for Science, 10.1016/j.jtusci.2016.01.00410.
24	Othman Subhi Alshamrani.	Life cycle assessment of low-rise office building with different structure–envelope configurations.	Canadian Journal of Civil Engineering. 43(3): 193-200. <a href="https://doi.org/10.1139/cjce-2015-0431">https://doi.org/10.1139/cjce-2015-0431</a>
25	O. S. Alshamrani, N. Ashraf, M. E. Shaawat, M. Abdulwahab, A. Al-Ghonamy, and M. Aichouni.	Significance of Life-Cycle Costing for Selection of Building Construction Materials.	International Journal of Civil and Structural Engineering– IJCSE, 2015, Vol. 2. Issue 2; pp: 398 – 402.
26	M Abdul Mujeebu & Othman Subhi Alshamrani, A International	Review of Solar Energy Exploration and Utilization in Saudi Buildings,	Journal of Advanced Thermofluid Research, 2015, Vol 1 Issue 1, p 70-85
27	O. S. Alshamrani, K. Galal, and S. Alkass,	"Integrated LCA–LEED sustainability assessment model for structure and envelope systems of school buildings,"	Building and Environment vol. 80, pp. 61–70, Oct. 2014.



28	O. Alshamrani, K. Galal, S. Alkass,	“Evaluation of School Structure and Envelope Materials Using Integration of LCA & LEED”,	The Facade Tectonics Journal , published by University of Southern California, Los Angeles, USA, vol. 14, pp. 9–20, JUNE 29th, 2012.
29	O Alshamrani, GG Schierle, KGalal, and D Vergun	“Optimal bracing type and position to minimize lateral drift in high-rise buildings”,	(2009), WIT Transactions on The Built Environment, Volume 106, pp. 155–166, ISSN 1743-3509.
30	Al Shamrani OS, Schierle GG	Selection of optimum structural systems and materials.	(2007) WIT Transactions on The Built Environment, Comput Aided Opt Des Eng X 91:129

### Refereed Scientific Research Papers Accepted for Publication

#	Name of Investigator(s)	Research Title	Journal	Acceptance Date

### Scientific Research Papers Presented to Refereed Specialized Scientific Conferences

#	Name of Investigator(s)	Research Title	Conference and Publication Date
31	Othman Subhi Alshamrani and Abdulaziz Fahd Al Muhanna	“Life Cycle Assessment Of Hospital Buildings Using Different Wall Systems In Saudi Arabia”	(2021) , 2nd International Conference on Climate Change, 25th and 26th May 2021.
32	Othman Alshamrani and Mohamed Al-Hussein,	“Carbon Tax Assessment Model For Off-Site And On-Site Construction Systems In Saudi Arabia”	Annual Canadian Society of Civil Engineering Conference, Niagra Falls, Ontario, Canada, May 27- 30, 2021
33	Alshamrani O.S.	Life Cycle Assessment for Modular Roof Systems of Large-Span Building	(2021). In: Toledo Santos E., Scheer S. (eds) Proceedings of the 18th International Conference on Computing in Civil and Building Engineering. ICCCBE 2020. Lecture Notes in Civil Engineering, vol 98. Springer, Cham. <a href="https://doi.org/10.1007/978-3-030-51295-8_91">https://doi.org/10.1007/978-3-030-51295-8_91</a>



34	Othman Alshamrani, Alaa Salman, and Adel Alshibani	A Strategic Business Management Plan Framework Based on Asset Management Plan for Saudi Cities.	International Conference on Challenges Developing Sustainable Infrastructure, 23-25 April 2019, Kuwait
35	Othman Alshamrani & Muhammed Saleem	, "Use of Unmanned Aerial Vehicles for Surveillance and Security of Border Areas and Cities",	First international symposium in Border Security And Safety, October 2017
36	Othman Alshamrani, Mohammed Alghashmari, Abdullah Alotaibi, Thamer Alzuraik, Mohammed Alsarheed, Mohannad Alghamdi, and Mohammed Aldahash	Using Renewable Solar Energy Applications in the Holy Sites	The Seventeenth Scientific Forum for Hajj and Umrah Research. May 2017
37	Adel Alshibani and Othman Alshamrani,	" Fuzzy Based Method for Dynamic Construction Contingency in Infrastructure Projects with Long Duration in KSA",	Proceedings of the Second International Conference on Infrastructure Management, Assessment and Rehabilitation Techniques, Organized by American University of Shareqah, 8-10 MAR 2016,
38	Othman Al-Shamrani M. Essam Shaawat Noman Ashraf and Abdulsalam Alsudairi	Minimizing The Environmental Emissions Associated With Energy Consumption Of Mosque Buildings In Saudi Arabia	Proceedings of the First International Conference on Mosque Architecture, 5-7 December 2016
39	Adel AlShibani and Othman Alshamrani	Artificial Neural Network Based Model For Estimating Construction Cost Of Mosque Buildings In Ksa	Proceedings of the First International Conference on Mosque Architecture, 5-7 December 2016
40	Othman Alshamrani	"Construction Costs Forecasting Model For Apartments Building",	Building on our growth opportunities, 12th Canadian Society of Civil Engineering Conference, Regina, Saskatchewan, Canada, May 27- 30, 2015
41	O. S. Alshamrani, N. Ashraf, M. E. Shaawat, M.	Significance of Life-Cycle Costing for Selection of	Proc. of the Second Intl. Conf. on Advances in Civil,





	Abdulwahab, A. Al-Ghonamy, and M. Aichouni.	Building, Construction Materials.	Structural and Construction Engineering - CSCE 2015. ISBN: 978-1-63248-042-2 doi: 10.15224/ 978-1-63248-042-2-97
42	M.Essam Shaawat, Othman Alshamarani, B. Umaru Mohammed,	" Lack of Sustainability Assessment as A Rating Tool in the Building Industry – KSA"	, World SB14 Barcelona Conference (Proceedings), October 28 -30, 2014.
43	Othman Alshamrani, S. Alkass, and K. Galal,	“Applying of Efficient Frontier Analysis on Selection of Sustainable and Conventional School Buildings',	Sustainable Municipalities(Proceeding), Canadian Society of Civil Engineering Conference, Halifax, NS, Canada,, 28-31May, 2014
44	O. Alshamrani, S. Alkass, and K. Galal, ,	“Evaluation of LCC and Sustainability Criteria for School Buildings in Canada Using AHP and MAUT”	4 <sup>th</sup> International/ Construction Specialty Conference(Proceedings), 11th Canadian Society of Civil Engineering Conference, Montreal, Quebec, Canada, May 29- June 2, 2013
45	O. Alshamrani, K. Galal, and S. Alkass,	“Developing of Initial Costs Forecasting Models for School Buildings Using Multiple Linear Regression”,	4 <sup>th</sup> International/ Construction Specialty Conference(Proceedings), 11th Canadian Society of Civil Engineering Conference, Montreal, Quebec, Canada, May 29- Jun 2nd , 2013
46	O. Alshamrani, S. Alkass, and K. Galal,	“Energy Consumption Reduction Using Sustainable Building Envelopes’ Material in School Buildings”	3rd International/ Construction Specialty Conference(Proceedings), 9th Canadian Society of Civil Engineering Conference, Ottawa, Ontario, Canada, June 14-17, 2011.
47	O. Alshamrani, S. Alkass, and K. Galal	, “Evaluation of School Buildings Using Sustainability Measures and the Life-Cycle Costing Technique”,	The International Conference on Sustainable Systems and the Environment(Proceedings), American University of Sharjah, Sharjah, UAE, March 23-24, 2011.
48	O. Alshamrani, S. Alkass, and K. Galal,	“Incorporating LCA into the LEED® in Evaluation	The International Conference on Sustainable Systems and the





		of Structures and Building Envelopes”,	Environment(Proceedings), American University of Sharjah, Sharjah, UAE, March 23-24, 2011.
49	O. Alshamrani <sup>1</sup> , S. Alkass <sup>2</sup> , and K. Galal, (2010).	“Energy Consumption Reduction In School Buildings in Kingdom of Saudi Arabia.”	International Engineering Conference on Hot Arid Regions (IECHAR 2010(Proceedings))Al-Ahsa, KSA, March 1-2, 2010
50	O. Alshamrani, G. G. Schierle, K. Galal& D. Vergun,	"Optimal Bracing Type and Position to Minimize Lateral Drift in High-Rise Buildings”	Computer Aided Optimum Design in Engineering XI (Proceedings), Wessex Institute of Technology Conference, Algarve, Portugal, June 2009.
51	O. S. Al Shamrani& G. G. Schierle,	"Selection of Optimum Structural Systems and Materials”	Computer Aided Optimum Design in Engineering X (Proceedings), Wessex Institute of Technology, Conference held in Myrtle Beach, South Carolina, USA, May 2007.

### Completed Research Projects

#	Name of Investigator(s) (Supported by)	Research Title	Report Date
52	Meqdad Hasan and Othman Alshamrani,	“RoboEng, Autonomous mobile Robot for Human Comfort Testing and Post Occupancy Evaluation for building”,	Granted By Imam Abdulrahman Bin Faisal University, SR. 100,000, 2017-2021.
53	Rehan Jamil, Othman Alshamrani, M.E. Shawaat	"A Comparative Study for the Feasibility of Various Available Solar Powered Desalination Plants for Producing Drinking Water in Remote Areas of Saudi Arabia",	Granted By University of Dammam, SR. 200,000, 2014-2016.
54	Othman Alshamrani, Essam Shawaat, Muhammed Mujeebu, Mohammed Fouad, and Numan Ashraf,	" Selection of Building Materials based on Life Cycle Costing Technique",	Bin Laden Chair for Quality and Productivity in Construction, Hail University, SR 100,000 , 2014-215



## Current Researches

#	Research Title	Name of Investigator(s)
55	Construction Complexity Rate Assessment Model for Mass Housing Projects in Saudi Arabia	Othman Alshamrani, Mohammed Saleem, Zaher Suliman, and Mamoud Sodangi

## Contribution to Scientific Conferences and Symposia

#	Conference Title	Place and Date of the Conference	Extent of Contribution
1	The First Saudi Symposium in in crises and disasters management, 2018	Imam Abdulrahman Bin Faisal University, 2018/03/18	Chairman of Organizing committee
2	The role of the Saudi engineer in developing the international economy and achieving the goals of the Saudi Vision 2030	Hail University, 2018	Keynote Speaker
3	The Eighth Symposium on Safety and Security of Facilities, King Fahd Security College, 2018	Using engineering and preventive technology solutions to protect government buildings from terrorist attacks	Keynote Speaker
4	4th Canadian Forum on the Life Cycle, Management of Products and Services -cycle2010, Montreal, Quebec, Canada, May 4-5, 2010.	O. Alshamrani <sup>1</sup> , S. Alkass <sup>2</sup> , and K. Galal, “ Use of LEED® and LCC Techniques in Evaluation of School Buildings”,	Speaker
5	4th Canadian Forum on the Life Cycle, Management of Products and Services -cycle2010, Montreal, Quebec, Canada,May 4-5, 2010.	O. Alshamrani <sup>1</sup> , S. Alkass <sup>2</sup> , and K. Galal, “ Incorporating LCA into LEED ®in Evaluation of School Buildings”,	Speaker



### Membership of Scientific and Professional Societies and Organizations

- Professional Engineer at Saudi Engineers Council- KSA
- Member of Canadian Society of Civil Engineer- Canada
- Member of PHI KAPPA PHI for honor society - USA
- Certified Arbitrator Class A by Saudi Council of Engineers # 323875
- Certified Arbitrator by G.C.C Commercial Arbitration Centre. # 1975
- International Arbitrator by the Higher Academy international Arbitration #. 1106
- International Arbitrator by the International Academy for Mediation and Arbitration # 3017

### Teaching Activities

#### Undergraduate

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Construction Porcesses Improvment	BSTC 561	Lecturing
2	Senior Project Report	BSTC 531	Lecturing
3	Building Management	BSTC 452	Lecturing
4	Environmental Design 1	ARCH 231	Lecturing
5	Basic Design Studio (1)	ARCH 121	Design Studio
6	Basic Design Studio (2)	ARCH 122	Design Studio
7	Structural analysis	BSTC 322	
8	Design Studio (5): Technical Project, Construction Detailing	BSTC 301	Design Studio
9	Design Studio (6) Technical Project, Building Services	BSTC 302	Design Studio
10	Design Studio(7): Technical Project , Structural Design	BSTC 401	Design Studio
11	Design Studio (9): Technical Project, Senior Project.	BSTC 501	Design Studio
12	Design Studio (10): Technical Project, Integrated Design Systems	BSTC 502	Design Studio

#### Brief Description of Undergraduate Courses Taught: (Course Title – Code: Description)

**Design Studio (9): Technical Project, .BSTC 501:** This course is the first part of two parts for the graduation project. Integrated design deliveries are involved in order to address architectural, structural, construction, services and environmental aspects. The course concentrates on preparing and developing the required program an engineer must



complete in order to understand the building's users, building codes, building constraints and design requirements in developing the final program.

**Design Studio (10): Technical Project, Integrated Design Systems BSTC 502:**

This course is the second part of the graduation project. It is based on the integrated design deliveries that are involved in order to cover all building disciplines with an emphasis on the design of technical and service systems required for the project, such as: HVAC, electrical, plumbing, fire protection, environmental aspects, etc. The application of BIM has made feedback more efficient and sustainable. System information should cover vast design concerns, green buildings, sustainable design, structural analysis, energy performance, service quality, material quantities, property construction, management, etc.

**Postgraduate**

#	Course/Rotation Title	No./Code	Extent of Contribution (no. of lectures/Tutorials. Or labs, Clinics)
1	Construction Project Delivery and Management	MCEM 601	Lecturing
2	Building Management	MBS	Lecturing
3	Building Performance Criteria	MBS 618	Lecturing
4	Contracts and Law	MCEM 609	Lecturing
5	Capstone Project	MCEM 601	Lecturing
6	Value Engineering	MCEM 607	Lecturing
7	Master thesis	MCEM 601	Lecturing

**Brief Description of Postgraduate Courses Taught: (Course Title – Code: Description)**

1	<b>Construction Project Delivery and Management MCEM 601:</b> This course provides an over view of construction project management. The first part reflects on how the established set of project management knowledge areas applies to all phases of building projects' life cycle
2	<b>Value Engineering MCEM 607:</b> This course introduces the students to the concept of value in Engineering (VE). VE is an organized approach to provide the necessary functions at the lowest costs. This course provides students with knowledge and techniques of working in a multi-disciplinary team to produce outcomes which demonstrate good value in programs, projects, systems, services or products
3	<b>Value Engineering MCEM 607:</b> This course introduces the students to the concept of value in Engineering (VE). VE is an organized approach to provide the necessary functions at the lowest costs. This course provides students with knowledge and techniques of working in a multi-disciplinary team to produce outcomes which demonstrate good value in programs, projects, systems, services or products



4	<b>Construction Contracting, Bonds, &amp; Insurance MCEM 609:</b> This course focuses on the basics and legalities of project contracts. It also covers the different types of contracts for different Project Delivery Methods. Graduates will be introduced to the contracting procedures, bidding and project awarding procedures, national and international labor and procurement regulations, international and general contracting clauses, change orders procedures, dispute resolutions methods
5	<b>Building Performance Criteria MBS 618:</b> This course introduces the concept of building performances, building qualities, performance measurement, performance criteria for different building systems and building types. In addition, this course introduces the concept of integrated building performance, performance quantification and tracking using performance quantification criteria's and techniques to produce and compile performance data into various format that can be handled and analysed for different facility management purposes mainly operation and maintenance.

### Course Coordination

#	Course Title and Code	Coordinat ion	Co-coordination	Undergr ad.	Postgrad .	From	To
1	Design Studio (10): Technical Project, Integrated Design Systems BSTC 502	✓		✓		2019	2022
2	Contracts and Law	✓			✓	2020	2022
3	Capstone Project		✓		✓	2020	2022

### Guest/Invited Lectures for Undergraduate Students

#	Activity/Course Title and Code	Subject	College and University or Program	Date
1	Professional Practice	Ethics and Behaviour	College of Engineering	2017

### Student Academic Supervision and Mentoring

#	Level	Number of Students	From	To
1	Undergraduate	5 students	2013	2016
2	Undergraduate	5 students	2020	2022



### Supervision of Master and/or PhD Thesis

#	Degree Type	Title	Institution	Date
1	Master	Analysis and evaluation of the factors causing delay and failure of government projects in the Kingdom of Saudi Arabia (Ministry of Interior projects)	IAU	2015-2018
2	Master	Contractors Selection Framework For The Government Projects In KSA	IAU	2017-2019
3	Master	Complexity Rate Assessment Modeling For Housing Projects in Saudi Arabia	IAU	2017-2019
4	Master	An Integrated Ahp-Maut Dss For Mosques Rehabilitation And Management In Saudi Arabia	IAU	2018-2020
5	Master	Safety Performance Assessment Model of Construction Contractors in Saudi Arabia	IAU	2021-2023

### Ongoing Research Supervision

#	Degree Type	Title	Institution	Date

### Administrative Responsibilities, Committee and Community Service (Beginning with the most recent)

#### Administrative Responsibilities

#	From	To	Position	Organization
1	2016	2018	Dean	College of Engineering -IAU
2	2013	2016	Chairman	Department of Building Engineering- IAU

#### Committee Membership

#	From	To	Position	Organization
1	2018	2020	Chair	Community service – DBE- IAU
2	2021	2022	Chair	Research DBE- IAU
3	2021	now	Chair	BE program Development -DBE- IAU
4	2017	2018	Chair	Construction Management
5	2003	2004	Chair	Student Affair- Colleg of Architecture

#### Scientific Consultations

#	From	To	Institute	Full-time or Part-time
	2018	now	Center of Crises and Disasters Managmnet- Eastern region	Part Time



## Volunteer Work

#	From	To	Type of Volunteer	Organization
	2015	2016	Supervision	ARAMCO- IAU- Qatif charities (Rehabilitation of Low-Income Homes)
	2016	2017	Supervision	IAU – Awqaf (Ihsan for Houses of Alrahman)
	2017	2018	Supervision	The Affordable Housing 2018 won the prize of His Highness, the Governor of the Eastern Province, for Sanabel Alhasad in community service
	2015	2022	Planning & Supervision	<ul style="list-style-type: none"> <li>-The use of solar energy in the lighting of public parks</li> <li>-Make an impact reaping fruit</li> <li>-Drive safely</li> <li>-The perfect home</li> <li>-steps to generate energies</li> <li>-Leave your bill on us</li> <li>-Pedestrians are first</li> <li>-Building construction cost estimation program</li> <li>-It's all in your hands</li> <li>-The university is in your hands</li> <li>-Safety or regret.... you choose</li> <li>-By recycling we achieve the vision of the Kingdom</li> <li>-Clear a path to save a soul</li> <li>-Engineering Professional Certification</li> <li>-the house of life</li> <li>-green mosques</li> <li>-With determination, we rise to the tops</li> <li>-School bus safety system</li> <li>-Pedestrian safe passages project</li> <li>-Ground light indicator for pedestrian crossing</li> <li>-Reuse of concrete irrigation canals</li> <li>-The right housing project for your environment and your pocket</li> <li>- safety box project</li> <li>-Your card is the key to your safety</li> <li>-Addressing city visual pollution</li> <li>-Protecting society and mosque-goers from the Corona pandemic</li> </ul>





**Personal Key Competencies and Skills: (Computer, Information technology, technical, etc.)**

1	Inventor, implementing the artificial intelligence (Robots and Drones) in Evaluation of Building Peformance.
2	Modelling, simulation, and Automation in construction.
3	Sustainability and Environmental impact Assesement of Buildings.

**Last Update**

...07/02/2024