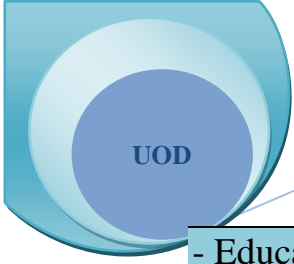




Dr. Othman Subhi D. Alshamrani



Dean,  
College of  
Engineering



## - Educational Credentials

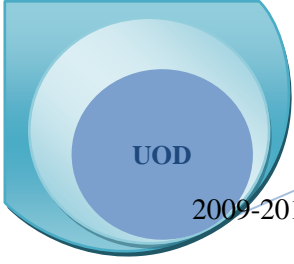
- 2012 **Ph.D.** Civil Engineering (Construction Engineering and Management), Department of Building, Civil, and Environmental engineering, Concordia University, Montréal, Quebec, Canada
- 2007 **M.Sc.** Building Science (Selection of Structural Systems for Buildings), School of Architecture, University of southern California, Los Angeles, California, USA
- 2002 **B.Sc** Building Engineering, Department of Building Science and Technology, School of Architecture and Planning, King Faisal University, Dammam, Saudi Arabia

## - Area of Interests and Researches

- 1- Evaluation of Buildings Performance in Selection Criteria.
- 2- Sustainability Measures and Environmental Impacts Reduction
- 3- Construction Management and Feasibility Study of Projects
- 4- Evaluate and Assess Life Cycle Costing of Various Projects
- 5- Energy Consumption Simulation of various Building types.
- 6- Develop of Life Cycle Costs Forecasting Models.
- 7- Life Cycle Assessment of Buildings (Environmental Impacts Measurement)
- 8- Integration of Various Building Systems
- 9- Buildings' Investigation using the Infra-red Cameras Technique

## - Work Experience

- 2016- Present Dean**  
College of Engineering  
University of Dammam
- 2013-Present **Chairman,**  
Department of Building Engineering, College of  
Architecture & Planning, University of Dammam
- 2012-Present **Assistant Professor,**  
Department of Building Engineering, College of  
Architecture & Planning, University of Dammam



- 2009-2012     **Lecturer,**  
Department of Building Engineering, College of  
Architecture & Planning, University of Dammam
- 2003-2009     **Teaching Assistant,**  
Department of Building Engineering, College of  
Architecture & Planning, University of Dammam

**- Courses Taught**

**Undergraduate Courses:**

- 1- Basic Design 1 & 2
- 2- Structural Analysis
- 3- Technical Project 5, Building Services
- 4- Technical Project 6, Multistory building
- 5- Technical Project 7, Special Structures
- 6- Construction Processes Improvement
- 7- Senior Project

**Graduate Courses:**

- 1- Advanced Structures: development of structural systems for buildings
- 2- Building Management
- 3- Building Performance Criteria

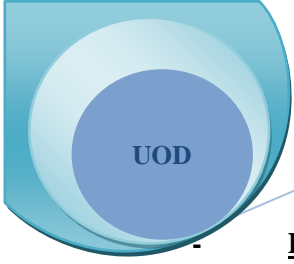
**- Professional Experience**

- AUG 2002-     **Structural Engineer,**  
JAN 2003     Altatwor Pre-Cast Company  
Dammam, Saudi Arabia
- JAN 2003-     **Structural Engineer,**  
JUL 2003     Saudi consults Office,  
Alkhobar, Saudi Arabia

**- Published Books and Dissertations**

**- Published Book:**

1. Othman Subhi D. Alshamrani, " Evaluation of School Buildings Using LCC & Sustainability Measures – Selection of Structure & Envelope Types for Schools – Sustainable School Buildings VS. Conventional School Buildings, LAP LAMBERT Academic Publishing, ISBN:978-33659-59382-6., 2104.

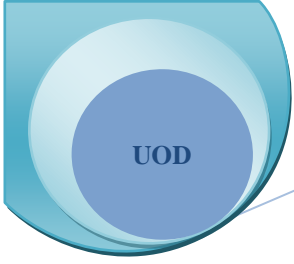


### Dissertations

1. Othman Subhi D. Alshamrani, "Evaluation of School Buildings Using Sustainability Measures and Life-Cycle Costing Technique", Doctor of Philosophy Thesis in Civil Engineering, Department of Building, Civil, and Environmental Engineering, Concordia University, Montreal, Quebec, Canada, July 2012.
2. Othman Subhi D. Alshamrani, "Selection of Structural Systems and Material – Minimizing Lateral Drift and Cost of Tall Buildings in Saudi Arabia", Master Thesis in Building Science, School of Architecture, University of Southern California, Los Angeles, California, USA, May 2007,

### **- Publications in Journals**

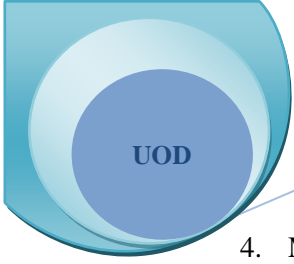
1. Othman Alshamrani," Prediction Model for Construction Cost of Conventional and Sustainable College Buildings in North America", Journal of Taibah University for Science, 10.1016/j.jtusci.2016.01.00410.
2. Muhammad Abdul Mujeebu, Othman Subhi Alshamrani, "Prospects of energy conservation and management in buildings–The Saudi Arabian scenario versus global trends", Renewable and Sustainable Energy Reviews, Volume 58, May 2016, Pages 1647–1663.
3. 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
4. Othman Subhi Alshamrani, "Life cycle assessment of low-rise office building with different structure–envelope configurations", Canadian Journal of Civil Engineering, 10.1139/cjce-2015-0431
5. 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, Vol. 2. Issue 2; pp: 398 – 402.



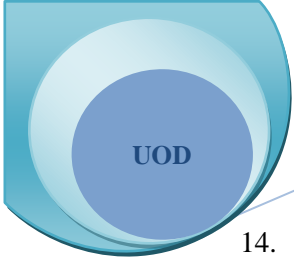
6. M Abdul Mujeebu & Othman Subhi Alshamrani, A Review of Solar Energy Exploration and Utilization in Saudi Buildings, International Journal of Advanced Thermofluid Research, 2015, Vol 1 Issue 1, p 70-85
7. O. S. Alshamrani, K. Galal, and S. Alkass, "Integrated LCA–LEED sustainability assessment model for structure and envelope systems of school buildings," Building and Environment vol. 80, pp. 61–70, Oct. 2014.
8. 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.
9. O.S. Al Shamrani, G.G. Schierle, "Selection of Optimum Structural Systems and Materials, Journal of Art in Science and Engineering 13 (2009) 91-103.
10. Alshamrani O, Schierle GG, Galal K, Vergun D (2009) "Optimal bracing type and position to minimize lateral drift in high-rise buildings". WIT Trans Built Environ 106:155–166

#### **- Publications in peer-reviewed Conferences**

1. 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,
2. 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
3. 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. Proc. of the Second Intl. Conf. on Advances in Civil, Structural and Construction Engineering - CSCE 2015. ISBN: 978-1-63248-042-2 doi: 10.15224/ 978-1-63248-042-2-97



4. 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.
5. 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
6. O. Alshamrani, S. Alkass, and K. Galal, "Evaluation of LCC and Sustainability Criteria for School Buildings in Canada Using AHP and MAUT", 4rd International/ Construction Specialty Conference(Proceedings), 11th Canadian Society of Civil Engineering Conference, Montreal, Quebec, Canada, May 29- June 2, 2013
7. O. Alshamrani, K. Galal, and S. Alkass, "Developing of Initial Costs Forecasting Models for School Buildings Using Multiple Linear Regression", 4rd International/ Construction Specialty Conference(Proceedings), 11th Canadian Society of Civil Engineering Conference, Montreal, Quebec, Canada, May 29- Jun 2nd , 2013
8. 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.
9. 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.
10. O. Alshamrani, S. Alkass, and K. Galal, "Incorporating LCA into the LEED® in Evaluation of Structures and Building Envelopes", The International Conference on Sustainable Systems and the Environment(Proceedings), American University of Sharjah, Sharjah, UAE, March 23-24, 2011.
11. O. Alshamrani<sup>1</sup>, S. Alkass<sup>2</sup>, and K. Galal," Use of LEED® and LCC Techniques in Evaluation of School Buildings", 4th Canadian Forum on the Life Cycle, Management of Products and Services -cycle2010, Montreal, Quebec, Canada, May 4-5, 2010.
12. O. Alshamrani<sup>1</sup>, S. Alkass<sup>2</sup>, and K. Galal," Incorporating LCA into LEED ®in Evaluation of School Buildings", 4th Canadian Forum on the Life Cycle, Management of Products and Services -cycle2010, Montreal, Quebec, Canada,May 4-5, 2010.
13. 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



14. 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.
15. 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.

### **- Grants and Awarded Researches**

- 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.
- 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 , 2014-2015

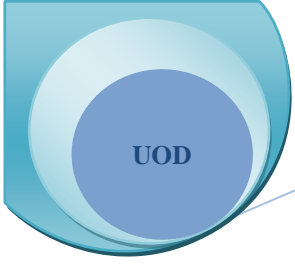
### **- Honor and Excellence Rewards**

1. Honor student Award, 2007, granted by the international student office in the University of Southern California, USA.
2. Excellence Award, 2007, granted by the Saudi Cultural Mission In USA, graduated from the top 10 university in the field (University of Southern California).
3. Excellence Award, 2012, granted by the Saudi Cultural Bureau in Canada.
4. Excellence Award for research, 2014, granted by the scientific Council in the University of Dammam.
5. Excellence Award for research, 2016, granted by the scientific Council in the University of Dammam.

### **- Professional Organizations**

The Honor Society of PHI KAPPA PHI, Louisiana, USA

Member of the Canadian Society of Civil Engineering CSCE



## **- Professional and Research Websites**

University of Dammam:

<http://www.uod.edu.sa/en/colleges/college-of-architecture-and-planning/faculty/dr-othman-subhi-al-shamrani-0>

Google scholar:

[http://scholar.google.com.sg/citations?user=Sgg21\\_QAAAAJ&hl=en](http://scholar.google.com.sg/citations?user=Sgg21_QAAAAJ&hl=en)

Research Gate:

[https://www.researchgate.net/profile/Othman\\_Alshamrani](https://www.researchgate.net/profile/Othman_Alshamrani)

Linkedin

<https://sa.linkedin.com/in/othman-s-alshamran-ph-d-47b74344>