

Curriculum Vitae	
Mubarak Khamis Al Alawi	
• Personal Information	
<p><b>Address:</b>  Department of Civil and Architectural Engineering  College of Engineering  Sultan Qaboos University  P.O. Box 33, Al-Khodh, P.C. 123  Muscat, Sultanate of Oman  Tel: +968 24142531  Mobile: +968 98831888  Email: <a href="mailto:alawim@squ.edu.om">alawim@squ.edu.om</a></p>	
• Education and Employment Information	
<p><b>Education Background:</b></p> <ul style="list-style-type: none"> <li>- Ph.D., University of Alberta, Canada, Department of Civil and Environmental Engineering Major: Construction Engineering and Management Year of Graduation: 2017</li> <li>- M.Eng., University of Alberta, Canada, Department of Civil and Environmental Engineering Major: Construction Engineering and Management Year of Graduation: 2011</li> <li>- B.Eng., Sultan Qaboos University, Oman, Department of Civil and Architectural Engineering Major: Civil Engineering Year of Graduation: 2009</li> </ul> <p><b>Employment History:</b></p> <ul style="list-style-type: none"> <li>- 2017 – Present: Assistant Professor, Department of Civil and Architectural Engineering, College of Engineering, Sultan Qaboos University, Muscat, Sultanate of Oman.</li> <li>- 2011 – 2013: Lecturer, Department of Civil and Architectural Engineering, College of Engineering, Sultan Qaboos University, Muscat, Sultanate of Oman.</li> </ul>	

- 2009 – 2010: Demonstrator, Department of Civil and Architectural Engineering, College of Engineering, Sultan Qaboos University, Muscat, Sultanate of Oman.

#### • Awards and Recognition

- Letter of Appreciation from the Dean of the College of Engineering at Sultan Qaboos University in recognition for the outstanding efforts in developing the new curricula of the college, 2019.
- Letter of Appreciation from the Dean of the College of Engineering at Sultan Qaboos University in recognition for the outstanding efforts to the college, 2018.
- Letter of Appreciation from the Vice Chancellor of the University of Alberta in recognition for the academic performance, 2016.
- Letter of Appreciation from the Vice Chancellor of Sultan Qaboos University for the efforts and contributions extended toward ABET Accreditation of Engineering Programs, August 2014.

#### • University Teaching and Learning

##### **Undergraduate courses:**

- ENGR1501: Introduction to Engineering
- CIVL3002: Drawing I
- CIVL3056: Surveying
- ENGR4006: Industrial Training II
- CIVL3216: Basic Mechanics
- CIVL5102: Construction Engineering
- CIVL 5204: Engineering Economics
- CIVL5336: Construction Management
- CIVL5993: Research Project (1)
- CIVL 5994: Research Project (2)

##### **Students project supervision:**

##### ➤ **Supervision of MSc students:**

1. Student name: Amjad Yasir Badar Al Ghafri/117869  
Thesis Title: Evaluating Health and Safety Practices in Oman's Construction Industry  
Status: In progress
2. Student name: Hajar Ali Yousuf Al Balushi/89768  
Thesis Title: Modeling Weather Effects on Construction Operations in Oman  
Status: In progress

➤ **Served as an External Examiner/Examiner/member in PhD and MSc Committees:**

- Thesis Title: Causes, effects and remedies of buildings' construction waste in Oman  
Student Name: Fatimah Al-Hakmani  
Exam Date: 5<sup>th</sup> of June, 2017  
Role: Examiner
- Thesis Title: Experimental and Theoretical Estimation of Minimum Miscibility Pressure of Nitrogen-Crude Oil System  
Student Name: Ahmed Saleh Suleiman  
Exam date"13th of September, 2018  
Role: Thesis Examination Chairman
- Thesis Title: Assessing the impact of oil price fluctuations on construction projects in Oman  
Student Name: Suha Rashid Salim Al-Kiyumi  
Status: In progress  
Role: Thesis committee member
- Thesis Title: Impact of Aircraft Noise of Muscat International Airport on the Nearby Residential Area  
Student Name: Zahir Hamed Moahmmmed AL Abri  
Status: In progress  
Role: Thesis committee member

### **3. Services**

**College activities:**

- Member, Pre-specialization Academic Advising Unit (PAAU) (2017-present).
- Member, Industrial Training and Alumni committee (2017- present).
- Member, College of Engineering's Curriculum Development Ad-hoc committee (2017-2018).
- Co-chair of publicity committee of the first International conference on Unmanned Aircraft System Oman (2019).

**Departmental activities:**

- Member, CAE department accreditation committee (2017- present).

- Research project coordinator (2017- present).
- Industrial training coordinator (2017-present).
- Member in the organizing and scientific committees, the first National Conference on Civil and Architectural Engineering, NCCAE 2018.
- Advising member, Department recruitment committee (2018)
- Member, Preparatory committee for Construction Engineering and Management MSc program.
- Prepared a workshop for undergraduate students on the application of simulation in modeling construction-engineering operations (2018).

**Service to profession:**

- Reviewer, The 28<sup>th</sup> Arab Engineering Conference, 2018
- Member, The Global Community for Academic Advising (NACADA), 2019-2020

**Service to community:**

- Invited by the Supreme Council for Planning to participate in the Oman National Spatial Strategy Workshop, April 2018.
- Invited by the Supreme Council for Planning to participate in the Oman National Spatial Strategy Workshop (on alternatives to urban strategy), November 2018.

**Consultancy services:**

- Member of a committee designated to investigate and report about buildings conditions of a site to the Ministry of Regional Municipality & Water Resources, 2018.

#### **4. Scholarly achievements**

**Research projects:**

**Principal publications:**

**Conference papers:**

Al-Alawi, M., Ali, M., Johnson, S., Han, S., Mohamed, Y., & AbouRizk, S. (2015). Constructability : capabilities, implementation, and barriers. International Construction Specialty Conference. Vancouver: University of British Columbia Library.

Al-Alawi, M., Bouferguene, A., & Mohamed, Y. (2016). Random Generation of Complex Data Structures for the Simulation of Construction Operations. Construction Research Congress. San Juan: American Society of Civil Engineers.

Al Alawi, M., Bouferguene, A., & Mohamed, Y. (2018). Integrating weather in modelling earthmoving mining operation using distributed simulation with HLA standards. 30th European Modeling and Simulation Symposium (pp. 1-6). Budapest : Curran Associates , Inc.

**Journal Papers:**

AL-Alawi, M., Bouferguene, A., & Mohamed, Y. (2017). Non-parametric weather generator for modelling construction operations: Comparison with the parametric approach and evaluation of construction-based impacts. *Automation in Construction*, 108-126.

Al Alawi, M., Bouferguene , A., & Mohamed, Y. (2018). Random generation of industrial pipelines' data using Markov chain model. *Advanced Engineering Informatiocs*, 725-745.