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## **EDUCATION**

**Ph.D.** Civil Engineering, Purdue University, USA, 1996  
**M.Sc.** Transportation Engineering, Cairo University, Egypt, 1993  
**B.Sc.** Civil Engineering, Cairo University, Egypt, 1990

## **ACADEMIC EXPERIENCE**

Associate Professor, Department of Civil Engineering, Sultan Qaboos University, May 2006 – present, Full-time.  
Assistant Professor, Department of Civil Engineering, Sultan Qaboos University, Aug. 2000 – May 2006, Full-time.  
Assistant Professor, School of Civil Engineering, Cairo University, Nov. 1997- Aug. 2000, Full time.  
Postdoctoral Research Associate, School of Civil Engineering, Purdue University, Aug. 1996-Sept. 1997, Full time.  
Research Assistant, School of Civil Engineering, Purdue University, Aug. 1993-Aug. 1996, Full time.

## **NON-ACADEMIC EXPERIENCE**

Expert report requested by the Administrative Court, Sultanate of Oman, for a case between the Royal Armed Forces of Oman and Green Cover Co. for dispute on the problems of the construction of an Athletic field track (including concrete pavement and subgrade foundation) in Shafe Camp., Oman, Jan. 2018.  
Review of Dhofar University (Oman) BS and Diploma programs in Civil Engineering for the application for accreditation by Oman Academic Accreditation Authority, Jan. 2018  
Preliminary Study on the Effects of Clear Binder on Pavement surface Cracking, for Structures Directorate, Central Design Office of Architectural and Engineering, Royal Estates, Royal Courts Affairs, Sultanate of Oman, Sept. 2015.  
Study and recommendation for the establishment of a Central Highway Laboratory by the Ministry of Transport and Communication, Oman. Through the Joint committee between the Ministry of Transport and Communications and Sultan Qaboos University, Oman, March-April 2014.  
Investigation of the material, analysis and design of Amiantit Oman precast concrete box culverts for potential adoption by the Ministry of Transport and Communication, Oman. Consultation for Amiantit Oman, March 2014.  
Investigation of methods to control cracking in mass concrete for bridge abutments of Bibid-Sur Road Section 1, Sultanate of Oman. Consultation for Astaldi-Ozkar Construction Oman, Joint Venture, January, 2014.

## **CURRENT MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS**

- Life Member, Egyptian Engineering Syndicate.
- Professional Engineers Ontario (not a member yet: passed Academic Requirements and PPE exam).

## HONORS AND AWARDS

- Teaching Excellence Award, Sultan Qaboos University, May 2008.
- Top of class graduation award, Cairo University, Civil Engineering Class of 1990.
- Egyptian Engineering Syndicate award for top of Civil Engineering graduates of Cairo University, 1990.
- Undergraduate scholarship, Cairo University, School of Civil Engineering, awarded to top high school graduates, Oct. 1985-Aug. 1990.

## SERVICE ACTIVITIES (Within and outside of the institution)

### *Institutional Service*

College: ABET Accreditation Committee (CE Program); Department: Coordinator ABET Accreditation Committee, Secretary of the Department.

University: Delivered a one-day workshop (2015-2018) on Academic Program Review held once a year at SQU.

### *Professional Service*

Reviewer for the Journal of Materials in Civil Engineering (MTENG), ASCE; the Journal of Construction and Building Material (JCBM), Elsevier; the International Journal of Pavement Engineering (IJPE), Taylor and Francis; The Journal of Engineering Research (TJER), Sultan Qaboos University; Program Reviewer for Civil Engineering Program, University of Buraimi, Dhofar University and National University of Science and Technology.

## PRINCIPLE PUBLICATIONS WITHIN LAST FIVE YEARS (selected)

1. Khalid. Al-Shamsi and **Hossam F. Hassan**. “Binder Contribution to Cracking of a Lightly Trafficked Asphalt Pavement Made with Clear Binder”. International Journal of Engineering and Technology, IJET 2018 Vol. 10 (5), pp. 390-393 ISSN: 1793-8236.
2. **Hossam F. H. Abdelfattah**, Khalid Al-Shamsi, and Khalifa Al-Jabri. “Evaluation of Rutting Potential for Asphalt Concrete Mixes Containing Copper Slag”. The International Journal of Pavement Engineering, Taylor & Francis, Vol. 19, No. 7, 2018, pp. 630–640. <https://doi.org/10.1080/10298436.2016.1199875>
3. Al-Jabri, K., Shoukry, H., Khalil, I., Nasir, S., **Hassan, H.** “Reuse of Waste Ferrochrome Slag in the Production of Mortar with Improved Thermal and Mechanical Performance.” ASCE's Journal of Materials in Civil Engineering. Volume 30, Issue 8, August 2018, DOI: 10.1061/(ASCE)MT.1943-5533.0002345
4. Khalid Al-Shamsi, **Hossam F. Hassan**, Louay N. Mohamed. "Effect of Low VMA in Hot Mix Asphalt on Load-Related Cracking Resistance". Construction and Building Materials Journal, JCBM, Elsevier, Volume 149, 15 September 2017, pp. 386-394, <https://doi.org/10.1016/j.conbuildmat.2017.05.120>

## RECENT PROFESSIONAL DEVELOPMENT ACTIVITIES

- “Program Assessment Workshop”, ABET Symposium, April 19-21, St. Louis, Missouri, USA, April 19 – 21, 2012.
- “Program Assessment” Workshop, offered by Dr. Ashley Ater Kranov, Managing Director, Professional Services, ABET, Feb. 14-14, 2012.