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EDUCATION

PMP Project Management Institute (PMI), 2023
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

Fulltime-Visiting Researcher, Faculty of Engineering, University of Waterloo, ON, Canada, June – August 2017
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

Consultant team member for a consultation for the Ministry of Transport and Communications (Oman). The study investigates the landslide of a 100 m+ height rock side slope with more than 2 million tons of collapsed rock for Al-Sharqya Expressway (Oman). The construction cost of the project was R.O. 246 million. The study includes the review of all construction contract specification and documents and prepare a technical opinion report on the cause and the responsibility of the landslide, Dec. 2020 – August 2021.
Led a funded project by the Ministry of Transport and Communications (Oman) to investigate the effect of overloaded trucks on the flexible pavement highways in Oman (including MEPDG rutting performance and life cycle cost. The total fund was 100,000 R.O. (Final report submitted Nov. 2019).
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.

CURRENT MEMBERSHIP IN PROFESSIONAL ORGANIZATIONS

- Project Management Institute, PMP number 3548068
- Life Member, Egyptian Engineering Syndicate.

- Professional Engineers Ontario (In review: passed Academic Requirements and PPE exam).

HONORS AND AWARDS

- Certificate of Appreciation from the Deputy Vice Chancellor for Academic Affairs and Community Service for the efforts and expertise in offering the one-day “Student Outcomes and Assessment” workshop for four years, from 2015 to 2018. The course was offered through the Academic Program Review Office to faculty members from five programs each year from different colleges at SQU. Attendance was typically in the range of 20-25 faculty members. I have been requested to offer again on November 12, 2019.
- Certificate of Appreciation, Vice Chancellor, Sultan Qaboos University. Awarded for efforts and contributions that led to the ABET Accreditation in the College of Engineering, August 2014.
- Experience Certificate, Directorate General of Private Universities and Colleges, Ministry of Higher Education, Sultanate of Oman. Awarded for the review of the Civil Engineering Program at the University of Buraimi, Sultanate of Oman, May 2013.
- 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. **Hassan, H.**, Al-Shamsi, K. and Al-Jabri, K. “Effect of Steel Slag on the Permanent Deformation and Life Cycle Cost of Asphalt Concrete Pavements”. International Journal of Pavement Research and Technology, April 2023. <https://doi.org/10.1007/s42947-023-00314-x>
2. Al-Jabri, K., Hago, A., Tavakoli, D., Waris, M.B., **Hassan, H.F.** and Zein, Y. “Investigating Thermal Cracking in Mass Concrete of a Bridge Abutment: Field Measurements and Numerical Modelling.” AJCE: Australian Journal of Civil Engineering. Published online, Nov. 15, 2022. <https://doi.org/10.1080/14488353.2022.2145031>.
3. Mohamedzein, Y., **Hassan, H.** & Al-Hashmi, K. “Effect of Cement-By-Pass Dust Stabilized-Expansive Soil Subgrade On Pavement Rutting”, Innovative infrastructure

- solutions, 7, 63 (2022). <https://doi-org.squ.idm.oclc.org/10.1007/s41062-021-00663-1>
4. **Abdelfattah, H.F.**, Baaj, H., and Kadhim, H. J., “Calibration of MEPDG permanent deformation models using Hamburg Wheel Rut Tester and field data”, *The International Journal of Pavement Engineering*, Taylor & Francis, Published online: 11 June 2021. <https://doi.org/10.1080/10298436.2021.1937622>
 5. 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.
 6. **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>
 7. 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
 8. 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

- Preparation Course for Project Management Professional (PMP), Jan. 11 – Mar. 19, 2023.
- “Integrated Course Design Through Active Learning”, offered by CETL, Sultan Qaboos University, Nov. 12 – Dec. 18, 2023.
- Comprehensive training course for Project Management Professional (PMP), Sept. 25-29, 2022, Center of Human Resource Development, Sultan Qaboos University.
- “Peer Review Assessment in Teaching: College of Nursing experience”, offered by CETL, Sultan Qaboos University, December 16, 2021.
- “Promoting Active Learning through Student Assessments Tools and Strategies”. offered by CETL, Sultan Qaboos University, November 11, 2021.
- “Introduction to Fellowship of Higher Education Academy (FHEA)”, offered by Dr. Mahmoud Ibrahim Masoud, Sponsored by IEEE Oman Section and Oman Society of Engineers, May 15, 2018
- “Alternative Instructional Strategies”, offered by Prof. Nikos Mourtos, Chair of Aerospace Eng. Dept. at San Jose State University in California, May 18, 2017 through CETL, SQU.
- “Critical thinking Skills for the 21th Century”, offered by Prof. Nikos Mourtos, Chair of Aerospace Eng. Dept. at San Jose State University in California, May 17, 2017 through CETL, SQU
- “Introduction to CDIO Initiative” workshop, Three days’ workshop presented by Dr. Juha Konito, Dean, Faculty of Business, ICT and Chemical Engineering, Turku University of Applied Sciences, Finland, held at Sultan Qaboos University (SQU), May 17-19, 2016.