



Khaleel I. Al-Hosani, Assistant Professor

1. ACADEMIC RANK AND SPECIALTY: Assistant Professor in Structural, geotechnical Engineering

2. DEGREES

Ph. D. in Civil Engineering,	Cranfield University, Bedford, U.K.	1991
M. Sc. in Civil Engineering,	New Haven University, Ct. U.S.A.	1986
M. Sc. in Industrial Engineering,	New Haven University, Ct. U.S.A.	1987
B. Sc. in Civil Engineering,	New Haven University, Ct. U.S.A.	1985

3. NUMBER OF YEARS OF SERVICE ON THIS FACULTY: Since September 1991 – Present.

4. COURSES TAUGHT

1. Soil Mechanics – CIVL 340
2. Foundation Engineering- CIVL 442
3. Special Topics in Soil Mechanics and Foundation Engineering – CIVIL 541
4. Graduation Project I – CIVL 585
5. Graduation Project II - CIVL 590
6. Concrete Technology- CIVL 360
7. Advance Geotechnical Engineering – CIVL 548
8. Statics – GENG240
9. Mechanics of Materials GENG 305
10. Engineering Materials MECH 390

5. OTHER RELATED EXPERIENCE

- Assistant Professor, UAE University
- GENERAL MANAGER OF PUBLIC WORK DEPARTMENT, ABUDHABI GOVERNMENT 2000-2004
- Assistant Dean for Student Affairs, 1998-2000
- ADVISOR OF CAMPASS DEVELOPMENT AT UAE UNIVERSITY, 1986-1998
- Teaching Assistant, New Haven, Ct. University, 1985-1987

6. CONSULTING EXPERIENCE

- Consultant for low cost houses for Public Work Department t, 1998– 2004
- Consultant, for Campass Development at UAE University, 1996– 1998
- Worked as expert in many Arbitration cases assigned by UAE Society of Engineers
- Assigned as Arbitrator for many cases by the Ministry of Justice, 2002-2008
- Consultant, Abu Dhabi Municipality, 2004-2007
- Several other short term consultation services for private sector.

7. PRINCIPAL PUBLICATIONS IN THE LAST 5 YEARS

1. Al-Hosani, K.I. (2001) A non-Singular fundamental solution for boundary element analysis of thick plates on Winkler foundation under generalized loading , Journal of Computer & Structures, 27 June 2001.
2. A.M.Alshamsi, Al-Hosani K.I., and Yousri, K.M.. (1996) “Hydrophobic Materials, Superplasticizer and Microsilica Effect on Setting of Cements at Various Temperatures”, Magazine of concrete research, accepted in 1996.
3. El-Zafrany, A., Fadhil, S. & Al-Hosani, K.I. (1995) A new fundamental solution for boundary element analysis of thin plates on Winkler foundation. International Journal for Numerical Methods in Engineering, 38 887-903 .
4. Al-Hosani, K.I.(2001) Quality Control & Quality assurance Implemented by soil testing laboratory in construction project, October 29-30, 2001, Chamber of Commerce organized by Dubai Central Lab, Dubai Municipality 2001.
5. Imran H., Maraqa M.A., Al Hosani K., and Khalifa E., Effects of solids
6. concentration on hydraulic conductivity at dam sites in UAE, Geoenvironment 2000 (ICG2000), p 238, Muscat, March 4-7, 2000.

7. Al-Hosani, K.I. & El-Zafrany, A.(1997) Singular integral analysis for the boundary element method of thick plates on Winkler foundation. presented to BEM 19, September 9-12, 1997, Rome, Italy.
8. Imran H., Maraqa M.A., Al Hosani K., and Khalifa E., Clogging patterns of solids concentrations at UAE dam sites due to fine particles present in surface water, Sustainability in Desert Regions, p 171, November 20-22, Al-Ain, UAE, 1999.
9. Al-Hosani, K.I. , Alshamsi, A.M. and Yousri, K.M. (1996) "The effects of Two types of Hydrophobic Materials on setting of Pastes in Hot Climates". Forth International Conference on Concrete Technology for Developing Countries, Gazimagus, North Cyprus, 7-8 November , 1996.
10. El-Zafrany, A., Al-Hosani K.I., M. & Fadhil, S.(1995) Boundary element analysis of thick Reissner plates in bending. Engineering Analysis, 14 159-169
11. Elkanzi, E., Al-Hosani, K.I., Alshamsi, A.M. and Yousri, K.(1994), "Prospects of Sulphur as a Construction Material in the UAE. "Fisrt International Conference on Reinforced Concrete Materials in Hot Climates. Al-Ain, UAE., pp.319-335,24-27 April 1994 .
12. Al-Hosani, K.I, Alshamsi, A.M., Sabouni, A.R., Bushlaibi, A.H..(Editors) (1994) Proceeding of the First International Conference on Reinforced Concrete Materials in Hot Climates", Volumes I and II, Al-Ain, U.A.E., p 775, 24-27 April 1994.
13. Bushlaibi A.H., Alshamsi A.M., Sabouni A.R., and Al-Hosani K.I.(1994), 'Guide to Durable Concrete'. Translation of ACI Committee 201r-92, Amwag publishing, Ajman, UAE.
14. Al-Hosani K.I. (1991) "Stress analysis of Thin and Thick Plates on Elastic Foundations Using Boundary and Finite Element Methods" PhD Thesis, Cranfield University, Cranfield, Bedford, England U.K.

8. CONSULTATION AND ARBITRATION ENGINEERING EXPERIENCE

- Participated in design and supervision of several projects throughout the UAE dealing with the Public Work Department Projects, and City Counselt Engineering Consultancy , starting 1992
- Participated as Structural Engineering consultant to study the deterioration and settlement of the mosque at Al Ain appointed by the government of Abu Dhabi 1992.
- Participated as a arbitrator of many structural projects assigned through the Ministry of Justice, UAE, 1996.
- Worked as a a consultant to study the settlement facing several low cost housing in the city of Abu Dhabi, UAE,1996.
- Worked as a consultant to study the settlement of several structural building associated with caves and tunneling in Al-Ain city, UAE, 1997.
- Participated as Structural Engineering consultant to study the deterioration problems for two high schools assigned by the Ministry of Public Works in Dubai, UAE, 1998.
- Worked as a consultant and awarded a project for solid waste management for grater Abu-Dhabi Municipality, UAE, 1999.
- Worked as a consultant and Advisour for Economic Departement of Abu-Dhabi, On the registration of Engineerins , UAE, 2011.

9. SCIENTIFIC AND PROFESSIONAL MEMBERSHIP

- Member of American Society of Civil Engineers (ASCE)
- Member of American Concrete Institute (ACI)
- Member of Gulf Cooperation Council Society for Geo-Engineering
- Member of of Gulf Engineering Unions
- Member of Arab Engineering Congress
- Member of the World Federation of Engineers

10. HONORS, AWARDS AND FELLOWSHIPS

- Shick Rashid Bin saeed Educational Award , march, 1992
- Shick Humaid Bin Rashid Al-namey, for education, UAE, 1995
- Editor-in-Chief, Emirates World of Engineering Magazine, since 1996
- Member, Editorial Board, Water Science and Technology Library Book Series, 1996-2000
- Member, Editorial Board, Journal of Hydrologic Engineering, ASCE, 2005 - Date
- General Secretary, for Gulf Engineering Union, 2009
- Vice president of Arab Engineering Congress, 2010
- National member of the World Federation of Engineers, 2010
- Vice president of Gulf Cooperation Council Society for Geo-Engineering
- Invited keynote speaker in several National & international conferences.