

Prof. Abdullah Ibrahim Al-Mhaidib

Personal Data:

Name: Abdullah Ibrahim Mohammed Al-Mhaidib
Place and date of birth: Riyadh, 19/12/1960
Current Rank: Professor
Current Employment: Professor, Department of Civil Engineering
College of Engineering, King Saud University
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Academic Degrees:

- Ph.D. Civil Engineering [University of Wisconsin-Madison, USA, 1992](#)
- M.Sc. Civil Engineering [University of Colorado-Boulder, USA, 1986](#)
- B.Sc. Civil Engineering [King Saud University, Riyadh, Saudi Arabia, 1982](#)

Employment and Academic History:

- **October 2012 – October 2014:** Dean of Quality, King Saud University
- **September 2009 - October 2012:** Vice Dean for Development and Quality, College of Engineering, King Saud University
- **September 2007 - September 2009:** Vice Dean for Graduate Studies and Quality Control, College of Engineering, King Saud University
- **January 2006 - Present:** Professor, Civil Engineering Department, King Saud University
- **July 2000 - January 2006:** Associate Professor, Civil Engineering Department, King Saud University
- **November 1992 - July 2000:** Assistant Professor, Civil Engineering Department, King Saud University
- **August 1982 –December 1983:** Teaching Assistant, Civil Engineering Department, King Saud University

Councils:

- **September 2017- September 2019:** Member, Scientific Council, King Saud University
- **September 2017- September 2019:** Member, College of Engineering Council, College of Engineering King Saud University
- **October 2012 – October 2014:** Member, King Saud University Council
- **October 2012 – October 2014:** Member, Deans Council, King Saud University,
- **September 2007 – October 2012:** Member, College of Engineering Council, College of Engineering, King Saud University
- **February 2002 – February 2004:** Member, Translation Center Council, King Saud University

- **September 2002 – September 2003:** Member, College of Engineering Council, College of Engineering, King Saud University
- **November 1992 – Present:** Member, Civil Engineering Department Council, King Saud University
- **November 1992 – Present:** Member, Geotechnical Engineering Group Council, Civil Engineering, Department, King Saud University

Professional Consultations and Expertise

Consultations

- Full-time consultant at the Ministry of Education (formerly Higher Education) at the Ministry's Agency for Educational Affairs (2015-2019)
- Part-time consultant at the Ministry of Higher Education at the Ministry's Agency for Educational Affairs (2011-2014).
- Part-time consultant for the Ministry of Transport (2008-2010).
- Part-time consultant for the Ministry of Communications (2005-2007).

Quality and Accreditation:

- Member of the accreditation committee (NCAAA) to accredit a civil engineering program in a government university in Saudi Arabia (2023)
- Member of the evaluation teams (appointed by NCAAA) for four civil and architecture engineering programs in four private universities in Saudi Arabia (2021)
- I was appointed as an international accreditation authority with the ABET Committee to accredit two programs in a government university in Saudi Arabia (2021)
- Dean of Quality, King Saud (2012-2014)
- Vice Dean for Development and Quality, College of Engineering, King Saud University (2009-2012)
- Chairman of the Strategic Plan Development Committee for the College of Engineering
- Chairman of the Strategic Plan Implementation Committee for the College of Engineering
- Member of the Executive Committee of the Electronic Quality Program (Itqan) at King Saud University
- Supervising the project to qualify many academic programs in the faculties of King Saud University to obtain National Accreditation from the National Commission for Academic Accreditation and Assessment (NCAAA)
- Chairman of the Administrative Development Committee of the College of Engineering to obtain the ISO certification
- Vice- chairman of the Academic Accreditation Committee (ABET 2009-2010) in the College of Engineering.

Services:

Technical review of the translated materials (from English to Arabic) of National Fire Protection Association (NFPA) in the United States of America which contain codes, standards and other contents (2020-2021).

Personal Achievements:

- Winner of the Kuwait Foundation for the Advancement of Sciences Award for the best translated book in science in 2009.
- Winner of The Custodian of the Two Holy Mosques Abdullah Ibn Abdulaziz International Award for Translation in the field of (Translation Award in natural sciences, from other languages into Arabic) in 2008.
- The College of Engineering at King Saud University obtained academic accreditation (ABET) in 2010 for a period of 6 years while I was working as an Vice dean for Development and Quality
- The College of Engineering at King Saud University obtained an Administrative Quality Certificate (ISO) in 2009 while I was working as Vice Dean for Development and Quality
- Developing the strategic plan for the College of Engineering at King Saud University 1432 AH while I was working as Vice Dean for Development and Quality.
- Implementation of the strategic plan of the College of Engineering at King Saud University 1433 AH while I was working as Vice Dean for Development and Quality.
- Supervising the Electronic Quality Program (Itqan) at King Saud University while I was working as Dean of Quality at the university.
- Develop a plan to start implementing the quality management system at King Saud University (KSU-QMS) and apply it in some colleges of the university while I was working was dean of quality at the university.
- Qualifying many academic programs in the colleges of King Saud University to obtain national accreditation from the National Commission for Academic Accreditation and Assessment (NCAAA) while I was working as Dean of Quality at the university.
- Establishing several programs in the Deanship of Quality to assist academic programs in the colleges of King Saud University to obtain national accreditation from the National Commission for Academic Accreditation and Assessment (NCAAA) during my work as Dean of Quality at the university, such as the BOARD OF ASSESSORS program and others.
- Attending many courses and workshops related to the quality of university education in America, Britain, Canada and Saudi Arabia.

Committees:

- **September 2017- September 2019:** Member, Committee of Promotion of scientific and medical disciplines, Scientific Council, King Saud University
- **September 2017- September 2019:** Member, Editorial Board of Journal of King Saud University (Engineering Sciences)
- **October 2012- October 2014:** Member, committee to supervise academic accreditation, King Saud University
- **October 2012- October 2014:** Member, committee for study plans, King Saud University
- **October 2012- October 2014:** Member, committee to develop the educational process and study plans, King Saud University
- **October 2012- October 2014:** Member, committee to follow up initiatives of the Ministry of Higher Education, King Saud University
- **October 2012- October 2014:** Member, committee for teaching excellence award, King Saud University

- **October 2012- October 2014:** Member, committee of peer consultation, King Saud University
- **October 2012- October 2013:** Chairman, committee for implementing the strategic plan for College of Engineering, King Saud University
- **October 2009- October 2012:** Vice chairman, committee for academic accreditation (ABET), College of Engineering, King Saud University
- **October 2009- October 2012:** Member, the administrative development committee to obtain the ISO certification, College of Engineering, King Saud University
- **October 2009 – October 2010:** Member, committee of workshop on excellence in petrochemical, King Saud University
- **October 2009- October 2010:** Member, Student advisory board, College of Engineering, King Saud University
- **June 2005 – June 2007:** Chairman, Registration Committee, Civil Engineering Department, College of Engineering, King Saud University.
- **September 2004 - September 2005:** Member, Supervising Committee, Evaluation of Faculty member in King Saud University, College of Engineering.
- **May 2003 – May 2005:** Chairman, Academic Committee, College of Engineering, King Saud University
- **May 2002 – May 2004:** Chairman, Senior Projects Committee, Civil Engineering Department, King Saud University.
- **September 1997 – September 1999:** Member, Senior Projects Committee, Civil Engineering Department, King Saud University.
- **September 1997 - August 1998:** Conveyor, Geotechnical Engineering Group, Civil Engineering Department, King Saud University.
- **September 1997 - August 1998:** Conveyor, General activities Committee, Civil Engineering Department, King Saud University.
- **September 1994 - August 1998:** Member, General activities Committee, Civil Engineering Department, King Saud University.
- **September 1992 - August 1994:** Member, Teaching Assistant Scholarship Affairs Committee, Civil Engineering Department, King Saud University

Committees Outside King Saud University

- Member of several committees, Council of Expert, Council of Ministers (2015-2019).
- Member and Chairman, Skills Examination Committees, National Center for Assessment in Higher Education, Ministry of Higher Education, Different Examination Centers (2003-2018).
- Member, Technical Committee, Workshop on Underground Structures in Climatic Conditions and the Regional Meeting of the International Road Federation, Ministry of Transport (December 2009).
- Member, Technical Committee, Workshop on Safety in Tunnels and Underground Structures, Ministry of Transport (November 2006).
- Member, Soil and Foundation Committee, Saudi Building Code (2004 –2005).
- Member, Technical Committee, International Conference on Geotechnical Engineering (*ICGE 2004*), Sharjah, United Arab Emirates (October 2004).

Awards and scholarships:

- Winner of the Kuwait Foundation for the Advancement of Sciences Award for the best translated book in science in 2009 for translation of book "Geotechnical Engineering: Foundation Design" by John Cernica.

- Winner of The Custodian of the Two Holy Mosques Abdullah Ibn Abdulaziz International Award for Translation in the field of (Translation Award in natural sciences, from other languages into Arabic) for translation, from English into Arabic, the book: Geotechnical Engineering: Soil Mechanics, Authored by John N. Cernica (2007)
- Best Faculty Site in the college of Engineering in King Saud University, Riyadh, Saudi Arabia : Second Prize Winner (2007)
- Scholarship from King Saud University for Graduate Studies (M.S. and Ph.D.) in the United States of America (1984-1992).
- Second Class Honour from King Saud University with B.S. degree (1982)

Training Courses:

- Development in Engineering Programs Evaluation (ABET), New Orleans, Louisiana, January 2015.
- Peer Consultation, Deanship of Skills Development, King Saud University, April 2015
- Presenting, Reviewing, Publishing Papers in Scientific Journals, Deanship of Skills Development, King Saud University, March 2015
- Training of Trainers Course, National Commission for Academic Accreditation and Assessment in cooperation with the British Council, February 2015
- Professional Development in Teaching and Learning, School of Continuing Education, Dalhousie University, Halifax, Canada, June 2014
- Academic Leadership, Florida Atlantic University, Boca Raton, Florida, June 2013
- Project-Based Learning, Buck Institute of Education, Napa, California, June 2012
- Improving Teaching and Learning, Agwa center for Improving Teaching and Learning, Auburn University, Auburn, Alabama, July 2011
- Quality Management: International Perspective for Advanced Universities, Institute of Wales, University of Cardiff, Wales, UK, July 2010
- Faculty Development Program at King Saud University, Academic Training Center, Queen Margaret University, Edinburgh, Scotland, UK, July 2009

Participation in Conferences :

- International Engineering Conference, the 144th conference of ASCE , Panama City, October 2014
- Conference of the American Association of Engineering Education 2014 Zone 1, Bridgeport, Connecticut, April 2014
- The Annual Conference of the Australian Association for Engineering Education, Gold Coast, Australia, December 2013
- The Third Forum for Quality and Development, Jazan University, Jazan, December 2013
- The Third International Engineering Conference, Federation of Engineering Organizations in Islamic Countries, Madinah, Saudi Arabia, November 2013
- The 124th Conference of the American Association of Engineering Education, Atlanta, Georgia, June 2013
- The Annual Conference of the Accreditation Board for Engineering and Technology (ABET) Accreditation, Washington, January 2013
- World Engineering Education Forum 2012, Buenos Aires, Argentina, October 2012

- Forum on the role of engineering and technological education in building the knowledge economy, Jubial, Saudi Arabia, May 2012
- The Second International Engineering Conference, Madinah, Saudi Arabia, December 2011
- The 15th European Conference for Soil Mechanics and Geotechnical Engineering : Geotechnique of Hard Soil : Weak Rocks, Athens, Greece, September 2011
- Geotechnical Risks : Assessment and Management Conference, Atlanta, Georgia, June 2011
- Conference of the International Network of Quality Assurance Agencies in Higher Education, Madrid, Spain, April 2011
- The 20th International Conference of Offshore and Polar Engineering (*ISOPE-2010*), Beijing, China, June 2010
- The 17th International Conference for Soil Mechanics and Geotechnical Engineering, Alexandria, Egypt, October 2009
- The Second International Conference on Recent Development in Soil Mechanics and Geotechnical Engineering, Nicosia, Northern Cyprus, May 2009
- The 12th Conference of the International Society for Computer Methods and Developments in Geotechnical Engineering, Goa, India, October 2008
- Seventh Saudi Engineering Conference , King Saud University, Riyadh, Saudi Arabia, November 2007.
- Seventeenth International Offshore and Polar Engineering Conference (*ISOPE-2007*), Lisbon, Portugal, July 2007 .
- Fifteenth International Offshore and Polar Engineering Conference (*ISOPE-2005*), Seoul, South Korea, June 2005,.
- International Conference on Geotechnical Engineering (*ICGE 2004*), Sharjah, United Arab Emirates, October 2004.
- Eleventh International Offshore and Polar Engineering Conference (*ISOPE-2001*), Stavanger, Norway, 2001.
- Third International Conference on Ground Improvement Techniques, Singapore, September 2000.
- Asian Conference on Unsaturated Soils (*UNSAT-ASIA 2000*), Singapore, 2000.
- Ninth International Offshore and Polar Engineering Conference (*ISOPE-1999*), Brest, France, 1999.
- Third National Geo-Institute Conference, Urbana-Champaign, Illinois, U.S.A. June 1999.
- Second International Conference on Unsaturated Soils (*UNSAT 98*), Beijing, China, August 1998.
- Fourth Regional Conference on Geotechnical Engineering (*GEOTROPIKA '97*) , Johor Bahru, Malaysia, November 1997.
- Fourth Saudi Engineering Conference, Jeddah, Saudi Arabia, November 1995 (1 paper).
- African Regional Conference on Soil Mechanics and Foundation Engineering, Cairo, Egypt, December 1995.
- 70 Years of Soil Mechanics, International Symposium, Istanbul, Turkey, April 1995
- First Regional Conference of the American Society of Civil Engineers-Saudi Arabia Section, Manama, Bahrain, September 1994.
- Geotechnical Engineering Congress - 1991, Boulder, Colorado, U.S.A., June 1991.
- 70th Transportation Research Board Annual Meeting, Washington D.C., U.S.A., January 1991.

Publications:

Chapter in a Book

Chapter 19 "Swelling behavior of expansive shale: A case study from Saudi Arabia" in Book EXPANSIVE SOILS: RECENT ADVANCES IN CHARACTERIZATION AND TREATMENT, Edited by Al-Rawas, A.A. and Goosen, M. A., 2006.

Journal Publications

- Al-Mhaidib, A. I. (2014) "Engineering Education in Saudi Arabia: Reality and Challenges". *Saudi Journal of Higher Education* - No. 9. Pp. 11-27.
- Al-Mhaidib, A. I. (2012) "Experimental Study on the Effect of Compressive Loads on Uplift Capacity of Model Piles in Sand", *International Journal of Geotechnical Engineering*, Vol. 6, Issue 1, pp. 133-137.
 - Al-Mhaidib, A. I. (2006), "Influence of Shearing Rate on Interfacial Friction between Sand and Steel", *Engineering Journal of University of Qatar*, Volume 19, pp.35-50.
 - Al-Mhaidib, A. I. (2006) " Experimental Investigation of the Behavior of Pile Groups in Sand under Different Loading Rates", *Geotechnical and Geological Engineering*, Volume 24, pp. 889-902.
 - Al-Mhaidib, A. I. (2005) "Loading Rate Effects on Pile Groups in Clay", *Electronic Journal of Geotechnical Engineering (EJGE)*, Vol. 10, Bundle (E), EJGE paper 2005-0583, World Wide Web of Geotechnical Engineers, USA.
 - Al-Mhaidib, A. I. (2001) "Loading Rate Effect on Piles in Clay from Laboratory Model Tests" *Journal of King Saud University (Engineering Sciences)*, Vol. 13, No. 1, pp. 39-55.
 - Al-Mhaidib, A. I. (2000) "An Experimental Study on the Influence of Rate of Loading on the Axial Capacity of Steel Piles in Sand" *Emirates Journal for Engineering Research*, Vol. 5, No. 1, pp. 10-16.
 - Al-Mhaidib, A. I. and Edil, T.B. (1999) "Effect of Pile Installation Method on Uplift Capacity of Piles in Sand , *Journal of King AbdulAziz University (Engineering Sciences)*, *Special Issue: Selected Papers from the Fourth Saudi Engineering Conference*, pp. 73-79.
 - Al-Mhaidib, A. I. and Al-Shamrani, M.A. (1999), " Effect of Loading Conditions on Expansion of Lime-Treated Expansive Soil Containing Sulfates", *Civil Engineering Research Magazine*, Al-Azhar University, Vol. 21, No. 2 , pp. 449-462.
 - Al-Shamrani, M.A. and Al-Mhaidib, A. I. (1999) "Prediction of Potential Vertical Swell of Expansive Soils Using a Triaxial Stress Path Cell", *Quarterly Journal of Engineering Geology*, Vol. 32, pp. 45-54.
 - Al-Mhaidib, A. I. and Edil, T.B. (1998) " Model Tests for Uplift Resistance of Piles in Sand", *Geotechnical Testing Journal (ASTM)*, Vol. 21, No. 3, pp. 213-221.
 - Al-Mhaidib, A. I. (1998), " Swelling Behaviour of Expansive Shales from the Middle Region of Saudi Arabia", *Geotechnical and Geological Engineering*, Vol. 16, No. 4, pp. 291-307.

- Al-Mhaidib, A. I. and Al-Shamrani, M.A. (1996), "Swelling Characteristics of Lime-Treated Expansive Soils", *Geotechnical Engineering, Journal of Southeast Asian Geotechnical Society*, Vol. 27, No. 2, pp. 37-53.

Conference

- Zhussupbekov, A.Zh. , Frankovská, J., Stacho, J., Al-Mhaidib, A. I., Doubrovsky, M., Uranhayev, N., Yerzhanov S. and I. Morev (2016). "Geotechnical and construction considerations of pile foundations in problematical soils", *proceedings of the 15th Asian Regional Conference on Soil Mechanics and Geotechnical Engineering*. January 2016, Japan. pp. 2704-2709.
- Al-Mhaidib, A. I. (2012) " Aspects of Partnership between Colleges of Engineering and the Society", *proceedings of the Jubail First International Conference on Engineering & Technology Education, May 14-15, 2012, jubail, Saudi Arabia*.
 - Al-Mhaidib, A. I. (2010)" Development of Engineering Education in Saudi Arabia ", *proceedings of the International Conference on Engineering Education (ICEE-2010)*, July 18-22, 2010, Gliwice, Poland.
 - Al-Mhaidib, A. I. (2010)" Effect of Fiber on Swell of Expansive Soils ", *proceedings of the Twentieth International Offshore and Polar Engineering Conference (ISOPE-2010)* , June 20-25, 2010, Beijing, China.
 - Al-Mhaidib, A. I. (2009) "Uplift Capacity of Model Piles Under Different Percentages of Compressive Loads", *proceedings of the Second International Conference on New developments in Soil Mechanics and Geotechnical Engineering*, May 28-30, 2009, Nicosia, North Cyprus.
 - Al-Mhaidib, A. I. (2008)" Mathematical Model to Predict Swelling of Expansive Soil ", *proceedings of the 12th International Conference of International Association for Computer Methods and Advances in geomechanics (12IACMAG)*, Goa, India, pp. 336-343.
 - Al-Mhaidib, A. I. (2007)" Efficiency of Pile Groups in Clay under Different Loading Rates ", *proceedings of the Seventeenth International Offshore and Polar Engineering Conference (ISOPE-2007)* , Lisbon, Portugal.
 - Al-Mhaidib, A. I. (2006) "Influence of Loading Rate on Axial Capacity of Pile Groups in Clay from Laboratory Model Tests" *Proceedings of the 10th Arab Structural Engineering Conference*, Kuwait, Vol. I, pp. 611-620.
 - Al-Mhaidib, A. I. (2005)" Shearing Rate Effect on Interfacial Friction Between Sand and Steel", *proceedings of the Fifteenth International Offshore and Polar Engineering Conference (ISOPE-2005)* , Seoul, Korea, Vol. II, pp. 633-640.
 - Al-Mhaidib, A. I. (2004), "Effect of Loading Rate on Pile Groups in Sand", *proceedings of the International Conference on Geotechnical Engineering (ICGE-2004)* , Sharjah, United Arab Emirates, pp. 62-67.
 - Al-Mhaidib, A. I. (2001), "Effect of Rate of Loading on Uplift Capacity of a Model Pile in Clay", *proceedings of the 11th International Offshore and Polar Engineering Conference (ISOPE-2001)* , Stavanger, Norway, Vol. 2, pp. 656-661.
 - Al-Mhaidib, A. I. and Al-Shamrani, M.A. (2000) "Lime Treatment of Expansive Soils Containing Sulfates", *Proceedings of 3rd International Conference on Ground Improvement Techniques*, Singapore, 25-26 September 2000.

- Al-Shamrani, M.A. and Al-Mhaidib, A. I. (2000) "Vertical Swelling of Expansive Soils Under Fully and Partially Restraint Conditions", *Unsaturated Soils for Asia, Proceedings of the Asian Conference on Unsaturated Soils UNSAT-ASIA 2000*, Ed. by H. Rahardjo, D. G. Toll & E. C. Leong, Singapore, pp. 627-632.
- Al-Mhaidib, A. I. and Al-Shamrani, M.A. (2000), "Influence of Swell on Shear Strength of Expansive Soils", *GeoEng2000 Conference*, Melbourne, Australia.
- Al-Shamrani, M.A. and Al-Mhaidib, A. I. (1999) "Comparison of Vertical and Volumetric Swells of Compacted Expansive Soils", *proceedings of the Fifth Saudi Engineering Conference*, Makkah, Saudi Arabia, Vol. 3, pp. 239-248.
- Al-Mhaidib, A. I. (1999), "Bearing Capacity of A Model Pile in Sand under Different Loading Rates", *proceedings of the Ninth International Offshore and Polar Engineering Conference (ISOPE-99)*, Brest, France, Vol. 1, pp. 724-730.
- Al-Mhaidib, A. I. (1998), "Prediction of Swelling Potential of an Expansive Shale", *proceedings of the Second International Conference on Unsaturated Soils (UNSAT '98)*, Beijing, China, pp. 315-320.
- Al-Mhaidib, A. I. (1997) "Influence of Loading Rate on Undrained Bearing Capacity of a Model Pile in Clay" *proceedings of the Fourth Regional Conference on Geotechnical Engineering (GEOTROPIKA '97)*, Johor Bahru, Malaysia, pp. 357-370.
- Al-Shamrani, M.A. and Al-Mhaidib, A. I. (1995), "Multi-Dimensional Swell Behavior of Expansive Shales" *proceedings of the Eleventh African Regional Conference on Soil Mechanics and Foundation Engineering*, Cairo, Egypt, pp. 161-174.
- Al-Mhaidib, A. I. and Edil, T.B. (1995) "Effect of Pile Installation Method on Uplift Capacity of Piles in Sand" *proceedings of the Fourth Saudi Engineering Conference*, Jeddah, Saudi Arabia, Vol. II, pp. 353-360.
- Edil, T.B. and Al-Mhaidib, A. I. (1995) "Direct Measurement of Shaft Resistance Distribution" *proceedings of the 70 Years of Soil Mechanics*, International Symposium, Istanbul, Turkey, pp. 119-139.
- Al-Mhaidib, A. I. and Edil, T.B. (1994) "Effect of Pile-End on Uplift Capacity of Pipe Piles in Sand" *proceedings of the First Regional Conference of the American Society of Civil Engineers-Saudi Arabia Section*, Manama, Bahrain, pp. 395-407.