

## **PROF. Abdullah S. Al-Ghamdi**

Professor, Civil Engineering Dept., King Abdulaziz University

### **Education**

<i>Degree</i>	<i>Discipline</i>	<i>Institution</i>	<i>Year</i>
PhD	Civil Engineering	Colorado State University U.S.A	1993
MS	Mechanical Engineering	Colorado State University U.S.A	1991
MS	Civil Engineering	University of Iowa.	1987
BS	Civil Engineering	King Abdulaziz University	1985

### **Academic Experience**

<i>From</i>	<i>To</i>	<i>Institution</i>	<i>Rank</i>	<i>Title (Chair, Coordinator, etc.)</i>	<i>Full or Part Time</i>
2011	Present	King Abdulaziz Univ.	Professor		Full Time
2002	2011	King Abdulaziz Univ.	Assoc. Prof.		Full Time
1993	2002	King Abdulaziz Univ.	Assist. Prof.		Full Time

### **Non Academic Experience**

<i>From</i>	<i>To</i>	<i>Company/Entity</i>	<i>Title</i>	<i>Position description (Brief)</i>
N/A				

### **Certifications and Professional Registrations**

Saudi Council of Engineers, Saudi Arabia

### **Current Membership in Professional Organizations**

<i>Member Since</i>	<i>Rank</i>	<i>Society/organization</i>
(2008-2014), (2016-date) 2014	Chairman of the Board Consultant Engineer Associate member	Saudi Society of Civil Engineering Saudi Council of Engineers, Saudi Arabia (SCE). Associate Member, International Water Association. (IWA), UK.
2000	Member	American Society of Mechanical Engineers (ASME) (Formerly).
1993-2000 2002	Associate Member	Saudi Environmental Society American Society of Civil Engineers (ASCE)

### **Honors and Awards**

1. Over 30 Shields of recognition from KAU.
2. Award of Islamic Capitals and Cities Organizations (ICCO) for Municipal and Environmental Services
3. Prince Bander Bin Sultan's Award,
4. Saudi Cultural Attaché's Award
5. Graduated with honor from King Abdulaziz University
6. Listed in the honors list every year during my undergraduate work at King Abdulaziz University

### **Service activities (within and outside of the institution)**

1. 2017-2018 Acting Vice President for Business and Knowledge Creativity, King Abdulaziz University.
2. 2016- 2019 Vice President for Projects, King Abdulaziz University.
3. 2016- 2019 King Abdulaziz University Council.
4. 2015-2017 Acting General Director, University Projects Planning & Execution, University of Jeddah
5. 2009- 2016 General Director, University Projects Directorate, KAU, Jeddah.
6. 2008-Date Chairman of the Board, Saudi Society of Civil Engineering
7. 2008-2009 Director, Water Research Center, KAU, Jeddah.
8. 2006-2009 General Supervisor, Self-Finance General Administration, KAU, Jeddah.
9. 2007- 2009 Higher Committee of KAU Investments
10. 2006- 2009 Higher Committee of Self Finance, Executive Self Finance Committee
11. 2002-2006 Dean, Deanship of Community Services and Continuing Education, KAU, Jeddah.
12. 2002- 2006 King Abdulaziz University Council.
13. 2002- 2006 Board of Trustees, Jeddah HR Development Center
14. 2002- 2006 GCC Deans of Community Services and Continuing Education Committee.
15. 2002- 2006 Chair, Deanship of Community Services and Continuing Education Council
16. 2002- 2006 Saudi Universities Deans of Community Services and Continuing Education Committee.

### **Principal Publications/Presentations from the Past Five Years**

1. Y. M. Mahrous, Abdullah S. Al-Ghamdi, A. M. M. Elfeki, A Two-State Random Walk Approach for Modeling Chlorine Decay in Water Distribution Network, International Journal of Civil & Environmental Engineering IJCEE-IJENS Vol: 15 No: 05, 2015.
2. Mahrous YM, Al-Ghamdi AS, Elfeki AMM. Modeling chlorine decay in pipes using two-state random walk approach. IJEAT. Vol. 4 (3), pp. 110- 115, 2015.
3. Abdulrazak H. Al-Maliki, M. Ezzeldin & A. S. Al-Ghamdi , Numerical Solution for Diffusion Waves equation using Coupled Finite Difference and Differential Quadrature Methods, International Journal of Civil & Environmental Engineering IJCEE-IJENS Vol: 14 No: 03, 2014.
4. M. Ezzeldin, A. S. Al-Ghamdi & Abdulrazak H. Al-Maliki, Differential Quadrature Techniques For Solving Shallow Water Flow Using Spreadsheets, International Journal of Civil Engineering (IJCE), Vol. 3, Issue 4, pp67-82, July 2014.
5. Al-Ghamdi, A. S., "Assessment of Existing Flood Protection in South Jeddah", Journal of Flood Risk Management, initial acceptance.
6. Al-Ghamdi, A. S., "Leakage-Pressure Correlation and Leakage Detection in Intermittent Water Distribution Systems", Water Supply Research and Technology- Aqua, Volume 60, Issue 3, pp.178-183, 2011.
7. Al-Ghamdi, A. S., "Water Conservation in Hot Climate Buildings by Temperature Control", Asian Journal of Water, Environment and Pollution, Volume 7 No. 4, 2010.

8. Al-Ghamdi, A. S., "Flood Hazard in Jeddah", invited paper, Symposium on Modern Drainage Technologies, Saudi Council of Engineers, Jeddah, March 27-28, 2010.
9. Al-Ghamdi, A. S., "Flood Protection in Jeddah", invited paper, 15th Scientific Meeting, Saudi Society of Civil Engineering, Jeddah, March, 2, 2010.
10. Khairy, A. T., Al-Ghamdi, A. S. and Gutub, S. A., "Analysis and Design of a Deep Subsurface Dam", International Journal of Civil and Environmental Engineering, Volume 10, No. 3, 2010.
11. Al-Ghamdi, A. S., "Numerical Simulation of Water Temperature in Intermittent Water Supply Systems", International Journal of Civil and Environmental Engineering, Volume 10, No. 2, 2010.
12. Al-Ghamdi, A. S., "Simulation of Jeddah Multi-port Sea Outfall", Journal of Coastal Conservations, Sweden, Volume 14, No. 1, pp.63- 69, March 2010.
13. Al-Ghamdi, A. S., "Development of Strategic Water Reserve for the Holy City of Makkah", Journal of Water Science and Technology: Water Supply, International Water Association, UK, pp 533-540, 2009.
14. Gutub, S. A. and Al-Ghamdi, A. S., "Water Resources and Reuse in Al-Madinah", International Conference on Water Conservation In Arid Regions, Water Research Center, King Abdulaziz University, Jeddah, Saudi Arabia, 23-25 Oct. 2009.
15. Al-Ghamdi, A. S., "Scientific Societies: Challenges and Hopes" Forum on Saudi Scientific Societies, KSU, Riyadh, 14 April, 2009.
16. Al-Ghamdi, A. S., "Estimation of Leakage and Pinpointing the Location of Leaks in Intermittent Water Distribution Systems: A Case Study", The 4th International Water Conference in Arab Countries, Beirut, 27-30 June, 2005,.

### **Recent Professional Development Activities**

1. AAU/ASU Workshops
2. The Seventh Conference, Federation of the Universities of the Islamic World, ISESCO, Rabat, 13-14 Feb, 2017.
3. Esri International User Conference, July 10 - 14, San Diego , USA, 10-14 July 2016.
4. The 9th Annual Meeting, Saudi Society of Civil Engineering, Jeddah, Feb. 24-25, 2014.
5. The 17th International Road Federation World Meeting and Exhibition, Riyadh, Nov. 10-14, 2013.
6. The 8th Annual Meeting, Saudi Society of Civil Engineering, Jeddah, May, 14-16, 2012.
7. The Sixth Annual Meeting, Saudi Society of Civil Engineering, Jeddah, March 7-9, 2011.