

## Mashal A. Sheban

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### Personal Information

Name : Mashal Ahmed Sheban  
Sex : Male  
Place of birth : Seiyun – Hadhramout – Yemen  
Date of birth : 1973  
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### Education

Ph.D., Civil and Environmental Engineering, Clarkson University, Potsdam, New York, USA, December 2007  
M.Sc., Civil Engineering, Jordan University of Science & Technology, Irbid, Jordan, June 2003  
B.Sc., Civil Engineering, Jordan University of Science & Technology, Irbid, Jordan, June 1998

### Professional Experience

Associate Professor, Department of Civil Engineering, Fahad Bin Sultan University, Tabuk, S.A., 2025-present  
Associate Professor, Department of Civil Engineering, Hadhramout University, Mukalla, Yemen, 2019-2024  
General Manager of Unit of Studies and Design Engineering at University Consultant Center, Hadhramout University, Mukalla, Yemen, 2010-2018  
General Manager of International Collaboration Management at Hadhramout University, Mukalla, Yemen, 2011-2018  
Chairman of Civil Engineering Department, Hadhramout University, Mukalla, Yemen, October 2016-2018  
Assistant Professor, Department of Civil Engineering, Hadhramout University, Mukalla, Yemen, 2008-2019  
President & CEO of MASCONTRACT : Contracting - Supplies - Oil Services , Hadhramout, Yemen.  
General Manager & Owner of PhotoCAD for Engineering, Contracting, and Technical Consultations , Hadhramout, Yemen, 2008-2016  
Teacher Assistant, Department of Civil and Environmental Engineering, Clarkson University, Potsdam, New York, USA, 2004-2007  
Teacher Assistant, Department of Civil Engineering, Jordan University of Science & Technology, Irbid, Jordan, 2002-2003

Teacher Assistant, Department of Civil Engineering, Hadhramout University of Science and Technology, Mukalla, Yemen, 1998-2000

Design and Construction Engineer, Al-Manara Office for Architecture and Contracting, Mukalla, Yemen, 1998-2000.

## **Research Interests**

Mud Construction Buildings

Durability and Environmental Degradation of Concrete Material and Structures

Corrosion of Steel in Concrete

Damage and Durability Mechanics of Materials and Structures

Smart Control of Building and Structures

## **Professional Activities**

### ***Professional Societies***

Member of the Yemeni Engineers Society

Member of Society of Hadhramout University Faculty Members and Assistants

Member of the American Concrete Institute (ACI)

### ***Achievements, Awards, Honors***

Graduated with (GPA 4.0/4.0) in my Ph.D. Study

Teaching/Research Assistant, Clarkson University at Potsdam, NY, 2004-2007

Training Teacher Assistant Short Course at Clarkson University, 2004.

Benevolent Fund for Outstanding Students (BFOS) Scholarship to USA to get Ph.D. study 2004-2007.

Graduated with Excellent GPA in my M.S. Study

Teaching Assistant, Jordan University of Science and Technology, 2002-2003

Benevolent Fund for Outstanding Students (BFOS) Scholarship to Jordan to get M.Sc. degree 2001-2003.

Teaching Assistant, Hadhramout University of Science and Technology, Mukalla, Yemen, 1998-2001

The first rank in B.Sc. batch award from Jordan University of Science & Technology, 1998

Training Programme at Studied Center for Applied Techniques, IAESTE Training Grant, Madrid, Spain, June-July 1997

Yemen Government Scholarship to Jordan to get B.Sc. degree 1992-1998.

The ninth rank in Secondary Schools of Republic of Yemen, 1991

### ***Professional Recognition***

Training workshop in "*ABET Accreditation*" Academic Development Center, Khartoum, Sudan, Feb. 2018.

Training workshop in "*Course Specification*" Academic Development Center, Mukalla, Yemen, Jan.. 2016.

Training workshop in "*skills of effective teaching*" Academic Development Center, Mukalla, Yemen, 3-4 Jan.. 2015.

Training workshop in "*Innovation in problem solving, and Managerial Assessment of Proficiency(MAP)*" Vision for Life and Al-Awan Foundation for Development, Mukalla, Yemen, 5-6 Nov. 2013, 4-5 Feb. 2014.

Training workshop in "*Language Teaching Skills for Academic Teaching staff*", Mukalla, Yemen, 18-19 November, 2014.

Training workshop in "*Academic Teaching strategies*", Mukalla, Yemen, 22-23 October, 2014.

Training workshop in "Course Specification for Chemical Engineering Program", Mukalla, Yemen, 26-28 June, 2012.

Short Course in "Assessment and Repair of Reinforced Concrete Structures : Principles and Applications" King Fahd University of Petroleum and Minerals, Dhahran, Saudi Arabia, April 24 - 28, 2010.

Training Teacher Assistant Short Course at Clarkson University, 2004.

Training Programme at Studied Center for Applied Techniques, IAESTE Training Grant, Madrid, Spain, June-July 1997

Different short courses in computer.

## Publications

Sheban, M.A., Altamimi, M.A., and Algrazi, A. O. (2022). " Construction Comparison of Mud Building Systems in Hadhramout Valley " Aden University Journal of Natural and Applied Sciences, Under Reviews, . In Arabic Lang.

Sheban, M.A., Al\_Saggaf, M.A. (2019). " Mud architecture in Hadhramout Valley and its suitability to the environment " Hadhramout University Journal of Natural and Applied Sciences, 16 (1), June 2019, 73-86. . In Arabic Lang.

Sheban, M.A., Al\_Saggaf, M.A. (2018). " The properties of mud bricks used in building construction in Hadhramout valley – Yemen" Alandalus Applied Science Journal, 9 (5), Jan-June 2018, 25-37. In Arabic Lang.

Sheban, M.A., Al\_Saggaf, M.A. (2017). " The thermos-physical characteristics of clay used in Shibam buildings and its impact on comfort facilities in them" Alandalus Applied Science Journal, 8 (17), July-December 2017, 77-92. In Arabic Lang.

Ababneh, A., Al-Rousan, R., Alhassan, A., and Sheban, M. (2017). "Assessment of shrinkage-induced cracks in restrained and unrestrained cement-based slabs." *Construction and Building Materials*, 131, 371–380.

Ababneh, A., Sheban, M., and Abu-Dalo, M. (2012). "Effectiveness of Benzotriazole as Corrosion Protection Material for Steel Reinforcement in Concrete." *J. Mater. Civ. Eng.*, 24(2), 141–151.

Ababneh, A., and Sheban, M. (2010). "Impact of Mechanical Loading on Corrosion of Steel Reinforcement in Concrete Structures." *Materials and Structures, REILM*

Ababneh, A., Sheban, M., Abu-Dalo, M., and Andreescu, S. (2009). "Effect of Benzotriazole Derivatives on Steel Corrosion in Solution Simulated Carbonated Concrete." *Jordan Journal of Civil Engineering*, 3( 1) , 91-102.

Sheban, M., Abu-Dalo, M., Ababneh, A., and Andreescu, S. (2007). "Effect of benzotriazole derivatives on the corrosion of steel in simulated concrete pore solutions." *Anti-Corrosion Methods and Materials*, 54(3), 135-147.

Bani-Hani, K. A., and Sheban, M. A. (2006). "Semi-active neuro-control for base-isolation system using magnetorheological (MR) dampers." *Earthquake Engineering & Structural Dynamics*, 35(9), 1119-1144.

Sheban, M., Ababneh, A. and Fulton, S. (2006). "Numerical Simulation of Moisture Diffusion in Concrete.", *Joint International Conference on Computing and Decision Making in Civil and Building Engineering*, Editors: Hughes Rivard, Edmond Miresco and Hani Melhem, June 14-26, Montreal, Canada, 1015-1024.

Ababneh, A., Sheban, M., Suwito, A. and Xi, Y. (2005). "The Coupling Effect of Drying Shrinkage and Moisture Diffusion in Concrete." Proc. Of the *International conference on creep, shrinkage and durability of concrete and concrete structures*, Eds. G. Pijaudier-Cabot, B. Gerard and P. Acker, September, 12-14, Nantes, France, 175-180.

## Invited and Conference Presentations

Clarkson University, Potsdam, New York, USA, March 2007, "Experimental and Numerical Investigations on the Durability of Reinforced Concrete Materials."

Clarkson University, Potsdam, New York, USA, December 2005, "Smart Hybrid Semi-Active Control of Base-Isolated Structures Using Artificial Neural Networks."

Joint International Conference on Computing and Decision Making in Civil and Building Engineering, Montreal, Canada, June 14-26, 2006, "Numerical Simulation of Moisture Diffusion in Concrete." (*Presented by Prof. A. Ababneh*)

International conference on creep, shrinkage and durability of concrete and concrete structures, Nantes, France, September 2005, "The Coupling Effect of Drying Shrinkage and Moisture Diffusion in Concrete." (*Presented by Prof. A. Ababneh*)

### **Courses teaches at university**

Reinforced Concrete structures, Theory and Design  
Advanced Reinforced Concrete Structures Design  
Prestressed Reinforced Concrete Structures Design  
Maintenance and Rehabilitation of Concrete Structures  
Steel Structures Design  
Advanced Steel Structures Design  
Concrete Technology  
Mechanics of Materials  
Engineering Mechanics (Statics)  
Engineering Mechanics (Dynamics)

### **Community Activities**

Chairman of Consultants Board of Benevolent Fund for Outstanding Students (BFOS), 2022-present, Mukalla, Hadhramout, Yemen.

Vice-chairman of Board of Trustees of Youth Initiation Foundation, 2011-2017, Mukalla, Hadhramout, Yemen.

Member of Scientific Committee at Hadhramout Establishment for Human Development, 2009-2018, Mukalla, Hadhramout, Yemen.

Member of Council Board of Benevolent Fund for Outstanding Students (BFOS), 2009-2017, Mukalla, Hadhramout, Yemen.

Chairman of Scientific Committee and Scientific Academy Manager at Benevolent Fund for Outstanding Students (BFOS), 2009-2016, Mukalla, Hadhramout, Yemen.