

## **DR. OMAR M. AL-RABGHI**

*Professor, Mechanical Engineering Dept., King Abdulaziz University*

### **Education**

<i>Degree</i>	<i>Field</i>	<i>Institution</i>	<i>Year</i>
PhD	Mechanical Engineering	University of California, Santa Barbara	1988
MS	Mechanical Engineering	University of Michigan, Ann Arbor	1984
BS	Mechanical Engineering	King Abdulaziz University	1980

### **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>
1988	1994	King Abdulaziz Univ.	Assist Prof.		Full Time
1994	2001	King Abdulaziz Univ.	Assoc. Prof.		Full Time
2001	Date	King Abdulaziz Univ.	Professor		Full Time

### **Non Academic Industrial Experience (including Consultations)**

<i>From</i>	<i>To</i>	<i>Company/Entity</i>	<i>Title</i>	<i>Position Description (Brief)</i>	<i>Full or Part Time</i>
1998	1999	Jeddah Municipality	Consultant	consultation on water uses and water network	Part Time
1999	2000	Sabbatical leave at Colorado State University, USA	Researcher	Energy simulation in buildings	Full Time
2004	2005	Member in Scientific Council of the General Organization for Technical Education Vocational Training, Riyadh, Saudi Arabia	Consultant	Member of the scientific council	Part Time

### **Funded Research Projects and Patents from the Past Five Years**

1. Design, Fabrication and Simulation of a Small Scale Experimental Barometric Desalination Unit, Funded by Center of Excellence in desalination Technologies. 2011.
2. Design, Manufacturing and Testing of Humidification Dehumidification Desalination Unit, Center of excellence in desalination research, 2011.

### **Current Membership in Professional Societies and Organizations**

<i>Society/organization</i>	<i>Rank</i>	<i>Member Since</i>
1. American Society of Heating Refrigeration and Air conditioning Engineers, ASHARE, USA	Member	1988

### **Institutional and Professional Services** (*administration, committees, units, etc.*)

1. Chairman, Thermal Engineering and Desalination Technology department, (2001-2005)
2. Chair of Thermal Engineering Department ABET committee (2005-2009)
3. Member of the Engineering research priority group at KACST (2006-2008)
4. Member of a research team at the Ministry of Higher Education to study Air conditioning alternative systems for Al-Haram in Makkah (2008)
5. Member of King Abdulaziz Univ. Scientific Permanent Committee (2004-2008)
6. Member of editorial board of King Abdulaziz University Journal, Engineering Sciences (2007- now)
7. Member of King Abdulaziz Univ., Scientific Chairs Research Committee, (2007-2009)
8. Member of King Abdulaziz Univ., Scientific Council (2010-2012)
9. Member of the Advisory Board of Center of Excellence in Desalination Technology, CEDT (2010-2011 )
10. Member of Technical committee for the MATAF expansion in Holly Makkah, Saudi Arabia (2010-date).

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

1. Omar Al-Rabghi and Mustafa M. Elsayed, Cold Stores, "In Arabic" Book, King Abdulaziz University Publishing Center, 2011.
2. Omar Al-Rabghi et. Al. Experimental Investigation on solar driven HDH Desalination Unit. Eighth Saudi Engineering Conference, Qassim University, Qassim –KSA, Dec. 2011.