

**DR. OLWI, Ibrahim A.***Associate Professor, Aeronautical Engineering Department, King Abdulaziz University***Education**

<i>Degree</i>	<i>Field</i>	<i>Institution</i>	<i>Year</i>
PhD	Mechanical Engineering	Tulane University, New Orleans, LA	1983
MS	Mechanical Engineering	Ohio State University, Columbus, OH	1980
BS	Mechanical Engineering	King Fahd University for Petroleum & Minerals, Dhahran, Saudi Arabia	1975

**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>
1984	1992	King Abdulaziz Univ.	Assist. Prof.	Dept. Chair (4 yrs.)	Full Time
2003	Date	King Abdulaziz Univ.	Assoc. Prof.	College Vice-Dean (2 yrs.) - Dept. Chair (2 yrs.)	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>
1993	2002	Ministry of Defence & Aviation	Consultant	Planning & Assessment	Full Time

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

- Grant No. 429/012, King AbdulAziz University, Research Project, *Development Of Fluid Mechanics as an Active Learning Course, 2009.*
- Educational Research Project No. WT-06-06, King AbdulAziz City for Science and Technology KACST, *The Role of Students' Non-Curricular Activity in Developing their Scientific Interests and Talents, 2010.*

**Certifications and Professional Registrations**

None

**Current Membership in Professional Societies and Organizations**

	<i>Society/organization</i>	<i>Rank</i>	<i>Member Since</i>
1.	American Society of Mechanical Engineering, ASME	Member	1982
2.	American Inst. of Aeronautics & Astronautics, AIAA	Senior Member	1988
3.	American Society of Engineering Education, ASEE	Member	2005
4.	Saudi Society for Aerospace Sciences, SSAS	Board Member	2003
5.	Saudi Council of Engineers	Member	2005

**Honors and Awards**

- One of the top 5 speakers at Intel Educator Academy, Phoenix, AZ, voted by the audience, May 2013.
- The Most Distinguished International Chapter Award, offered by ASME headquarters, I was the chairman of ASME Saudi Arabia Chapter then, 1990.
- The Ideal Chairman Award, offered by the College of Engineering, King Abdulaziz University, when being the chairman of the aeronautical engineering department, 1991.

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

- Board of Trustees Member, King Abdulaziz Foundation for Giftedness & Creativity, Royal Decree, 2012.

2. Board of Trustees Member, King's Prize for Inventors & the Gifted, Royal Decree, 2011.
3. Executive Committee Member, King Abdulaziz Foundation for Giftedness & Creativity, Royal Decree, 2012.
4. Vice-Dean, College of Engineering, King Abdulaziz University (2009-2011).
5. Chairman, Aeronautical Engineering Department, King Abdulaziz University (1987-1991) & (2003-2006).
6. Head, Innovations & Creativity Committee, 2<sup>nd</sup> Scientific Conference for Higher Education Students in Saudi Arabia, 2011.
7. Head, Entrepreneurship, Innovations & Creativity Committee, 5<sup>th</sup> Scientific Forum for King Abdulaziz University Students, 2014.
8. Scientific Committee Member, 2<sup>nd</sup> - 5<sup>th</sup> Scientific Forum for King Abdulaziz University Students (2011-2014).
9. Ministry of Higher Education Representative, Ministerial Committee to Study the needs of Establishing the Civil Aviation Technical Academy, 2006.
10. Head, Scientific Board, Al-Faisaliah School for Gifted Students, 1<sup>st</sup> Gifted Students School established in Saudi Arabia, 2012.
11. Founding Committee Member, Saudi Inventors Society, 2013.
12. Founder of the Gifted Students Center at King Abdulaziz University, 2003, being the 1<sup>st</sup> gifted students center within higher education institutions in the country, and a benchmark for other centers to be established later in most Saudi universities and vocational schools.
13. Founder and director of the Students Counseling Unit, College of Engineering, over 90 cases of academic under-achievement had been dealt with (2007 – date).
14. Intel-ISEF Science Fair Grand Awards judge, Reno, NV, USA, 2009.
15. Chairman, Intel-ISEF Special Awards judging committee in Renewable Energy, San Jose, CA, USA, 2010.
16. Judging Committee, iENA Inventions International Fair, Nuremberg, Germany, 2012.

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

1. Olwi, I.A., Storytelling as an Effective Mean for Stimulating Students' Passion in Engineering Classes, *ASEE International Forum*, Indianapolis, IN, USA, June 15-17, 2014.
2. Olwi, I.A., Experimental Investigation of the Flow Field Characteristics under Active Flow Control, *International Journal of Fluid Mechanics Research*, to appear in Vol. 41, No. 2, 2014.
3. Olwi, I.A., Educating Engineers Work Ethics, the Postponed Challenge, *2<sup>nd</sup> Engineering Education Forum*, the Saudi Council of Engineers, Medina, 2012.
4. Olwi, I.A., The Art of Gifted Students Education at Vocational Institutes, *Vocational Institutes Annual Conference*, Riyadh, 2011.

### **Recent Professional Development Activities (Workshops, training, etc.)**

1. "Recent Changes in EAC of ABET Accreditation Requirements," ASU Workshop, Faculty of Engineering, King Abdulaziz University, Jeddah, Saudi Arabia, Jan. 2014
2. Infusion of Creativity in the Classroom, Workshop delivered to faculty members, Center for Teaching & Learning Development, King Abdulaziz University, 2009.
3. Problem Solving Skills, Workshop delivered to faculty members, Center for Teaching & Learning Development, King Abdulaziz University, 2008.
4. Makers of Excellence, Lecture delivered to gifted students, Summer Enrichment Program, King Faisal Specialist Hospital, 2012.
5. Columnist, Al-Madina daily national newspaper.
6. Tens of lectures to students on creativity, thinking skills and self-development.