

Dr. khaled abdulaziz alawadhi

Associate Professor of Automotive and Marine Engineering Technology

Education:

Ph.D. in Marine Technology,

Dissertation Title: "Inhibition of Weld Corrosion in Flowing Brines Containing Carbon Dioxide " Cranfield University, 2009, U

M.S. in Ocean engineering,

Thesis Title: "" Alternative Corrosion Protection Coating-Their effect and influence on Adhesive Performance "" Rhode Island University, December, 2001, UK

B.S. in Mechanical Engineering & Minor Math

State university of New York University, SP (Effect of galvanic corrosion on Midship section at higher speed) 1998, NY, USA

Number of years of service on this faculty:

18 Years

2002- 2018 Assistant Professor of Automotive and Marine Engineering Technology.

Other related experience:

1982 to 1986, Lecturer, Faculty of Engineering, Alexandria university, Egypt.

1986 to 1989, Teaching Assistant, Faculty of Engineering, Alexandria university, Egypt.

1992 to 1993, Research Assistant, Faculty of Engineering, Hiroshima University, Japan.

1993 to 1997, Assistant Professor, Faculty of Engineering, Alexandria university, Egypt.

1997 to 2018, Assistant Professor, Faculty of Technological studies, Kuwait.

Teaching interests:

Engineering Drawing, General Physics, Computer science, Fluid Mechanics, Thermodynamics, Naval Architecture and Ship Building, Engineering Mechanics, Shipyard technology. Marine Pollution, Marine Diesel Engines, Steam Engineering, Ship propulsion, Marine Auxiliary, Ship Systems, Ship Maintenance, Offshore Technology, Automatic Control, Marine Safety, Marine Transportation Management.

Courses taught at PAAET:

Engineering Drawing, Computer science, Fluid Mechanics, Thermodynamics, Naval Architecture and Ship Building, Shipyard technology. Marine Pollution, Marine Diesel Engines, Ship Systems, Ship Maintenance, Automatic Control, Marine Safety.

Research interests:

Corrosion and Corrosion control

Heat and Mass Transfer

Welding Characterization

Principal publications of last five years:

1. **Alawadhi K.**, Robinson M.J.(2010), "Preferential Weld Corrosion of X65 Pipeline Steel in Flowing Brines Containing Carbon Dioxide ", **Corrosion Engineering, Science and Technology**, published online: <http://www.ingentaconnect.com/content/money/cest/pre-prints>
2. S K Ravi, A. K. Singh and **Khaled A. Alawadhi**. (2011) "Effect of Temperature Dependent Heat Source/Sink on Free Convection Flow of A micropolar Fluid Between Two Vertical Walls". **International Journal of Energy & Technology (27) 1-8.**
3. Saeid Kakooei, M.C. Ismail, **Khaled Alawadhi**, Mahmood Bataee, (2012) "Prediction of Heat Affected Zone (HAZ) Corrosion in CO₂ Environment by Artificial Neural Network", **Australian Journal of Basic and Applied Sciences.**
4. Abdulkareem S. Aloraier , Suraj Joshi , John W.H. Price , **Khaled Alawadhi**

(2013) “ Material Properties Characterization of Low Carbon Steel Using TBW and PWHT Techniques In Smooth-Contoured and U-shaped Geometries, International Journal of Pressure Vessels and Piping.

5. **K. Alawadhi**, A. S. Aloraier, S. Joshi, J. Alsarraf & S. Swilem.(2013), “Investigation on Preferential Corrosion of Welded Carbon Steel Under Flowing Conditions by EIS” V 22, No 8, Materi Eng and Perform.

6. **Khaled Alawadhi**, Abdulkareem Aloraier, Suraj Joshi, Jalal Alsarraf (2014) “ Effect of Inhibitors on Weld Corrosion Under Sweet Conditions Using Flow Channel”Vol:8 No:4. World Academy of Science, Engineering and Technology International Journal of Mechanical, Industrial Science and Engineering

7. Abdulkareem s.aloraier, Suraj jushi, John W.H Price and **Khaled alawadhi**
(2014) “Hardness, Microstructure, and Residual Stresses in Low Carbon Steel Welding with Post-weld Heat Treatment and Temper Bead Welding , Metallurgical and Materials Transactions A

8. **Khaled Alawadhi**, Mylene Martinez, Abdulkareem Aloraier, Jalal Alsarraf (2014)“Effect of inhibitors on preferential weld corrosion under sweet conditions, a Anti-Corrosion Methods and Materials.

1.

Scientific and professional societies of which a member:

1. Member of Egyptian Society of Engineers.

Honors and awards:

Certificate from college of Engineering & Petroleum (Kuwait University) for completion training course for under Development engineers (UD’S)

Awarded certificate of participation in Kuwait Pipetech conference & exhibition, 6-7 Oct ●
2010, Kuwait

Guy bengough Award from The Institute of Materials Minerals and Mining , August 2012, UK. ●

Institutional service in last five years:

1. 2018 Member of the Programs and Curriculum Development Committee
2. 2018 Member of the ABET Committee
3. 2018 Member of the Student Advisement Committee
4. 2017 Member of Field Training Committee
5. 2016 Member of Schedules and Examinations Committee
6. 2016 Member of Appointments Committee
7. 2016 Member of Workshops and Laboratories Committee
8. 2015 Member of Workshops and Laboratories Committee
9. 2015 Member of the Evaluation Committee
10. 2014 Member Social and Cultural Committee
11. 2014 Member of the of Budget Committee
12. 2014 Member the ABET Committee
13. 2013 Chairman of the Promotion Committee
14. 2013 Member of Schedules and Examinations Committee
15. 2013 Member Social and Cultural Committee

Professional service in last five years:

Served on the Promotion Committee
Served on the Curriculum Development Committee
Served on the Research Committee
Served as Chairman of ABET Committee
Served on Student Advisement Committee

Coordinator of NRP & CFP communication & change management roadshow Presentation, CTS
– Building 5 (30 - 4 - 2013).

Professional development activities in last five years:

1. Attending the “Heading Global” Conference, The Public Authorities of Applied Science and Training, 14-16 of November, 2016.
2. Attended the “MOETC2014 Marine Offshore and Engineering Technology” Conference, The Public Authorities of Applied Science and Training, 4-6 March 2014, in Kuwait.
3. Attending many conferences in Green Building, Electricity and Water, Energy and Environment and District Cooling in the past few years, Kuwait
4. Attended many Workshops and condensed courses conducted by the Center of Evaluation and Development, PAAET, 2011-2018.
5. Attending many seminars organized by KEFAS, KISR and PAAET.
6. Attending many seminars organized by PAAET.
7. Attended a number of Workshops and condensed courses conducted by the Center of Evaluation and Development, PAAET.