

Name and Academic Rank:

Mohsen Alardhi , Associate Professor of Automotive and Marine Engineering Technology

Email Address:alardhi@paaet.edu.kw,

Degrees with Fields, Institution and Date:

B. S (Mechanical Engineering Technology), University of Dayton, Ohio, USA, 1993

M.S. (Thermal Power), Cranfield University, U K., 1999

Ph. D. (Mechanical Engineering), The University of Manchester, U K., 2008

Number of Years of Service on This Faculty; Date of Appointment:

December, 1997

Other related experience:

- Associate Professor, September 2015, Automotive and Marine Engineering Technology Department, College of Technological Studies, PAAET
- Head of Department Automotive and Marine College of Technological Studies, PAAET. January 2016–April 2017
- Assistant Professor, September 2008– September 2015, Automotive and Marine Engineering Technology Department, The Public Authority for Applied Education & Training, Kuwait.
- Assistant Teacher, September 1999-August 2008, Automotive and Marine Engineering Technology Department, The Public Authority for Applied Education & Training, Kuwait.
- Teaching Assistant, December 1997-August 1999, Automotive and Marine Engineering Technology Department, The Public Authority for Applied Education & Training, Kuwait.
- Mechanical maintenance engineer (mechanic supervisor “A”), July 1997 –December 1997, Petrochemical industries company.
- Mechanical maintenance engineer, March 1994- July 1997, Ministry of Electricity and Water , (Power Station)

Teaching interests:

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

Courses taught at PAAET:

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

Research interests:

Maintenance, Failure analysis, Optimization, Reliability, Thermal power, Automotive, Marine.

Principal publications of last five years:

1. Mohsen Alardhi, Ahmed Abed, Yousef Alhouli, Khalid Alkhulaifi, ALRajhi J. Non-linear Dynamic Model of Pressure Regulating Valve. International Journal of Engineering Sciences & Research Technology. 2014;3(8 August).
2. M. Alardhi, K. Alkhulaifi, J. Alrajhi, Abed A. Linear Damping Seat to Reduce Whiplash Injury in Rear-end Collision. Global Journal of Researches in Engineering : B Automotive Engineering 2014;14(3).

3. Almazrouee A, Singh Raman R, Al-Fadhalah K, Alardhi M, Alenezi M. Role of oxide notching and degraded alloy microstructure in remarkably premature failure of steam generator tubes. *Engineering Failure Analysis*. 2011;18(8):2288-95
4. Abdel-Nasser Y, Alrajhi J, Alardhi M, Alkhulaifi K. Frontal Crash Simulation of Vehicles Against Lighting Columns in Kuwait Using FEM. *International Journal of Traffic and Transportation Engineering*. 2013;2(5):101-5.
5. J. Alrajhi, M. Alardhi, A. Abed, Alkhulaifi K. Development a Single Zone Heat Release Model. *Global Journal of Researches in Engineering : B Automotive Engineering*. 2014;14(4)
6. Khalid Alkhulaifi, Jasem AlRajhi, Elsayed E. M. Ellaimony, Mohsen AlArdhi, Abdelwali HA. An Algorithm for Solving Bi-Criteria Large Scale Transshipment Problems. *Global Journal of Researches in Engineering : B Automotive Engineering*. 2014;14(4).
7. Alardhi M, Almazrouee A, Alsaleh S. Role of Oxide Scale Thickness Measurements in Boiler Conditions Assessment. *World Academy of Science, Engineering and Technology*. 2011;5(9):299 - 301.
8. Alardhi M, Hannam RG, Labib AW. Preventive maintenance scheduling for multi-cogeneration plants with production constraints. *Journal of Quality in Maintenance Engineering*. 2007;13(3):276-92.

Conferences

1. Savsar M, Alardhi M, Almazrouee A. Capacity and Availability Analysis of Power Plants in Kuwait. 3rd International Conference on Industrial Engineering and Operations Management; TURKEY: Industrial Engineering and Operations Management (IEOM) Forum; 2012.
2. M. Alardhi, A. Al-mazrouee, K. Al-khulaifi, J. Alrajhi. Preventive maintenance scheduling for multi-cogeneration plants with production constraints using chebyshev goal programming. Middle East Maintenance Conference & Exhibition; Bahrain, 5-8 December 2010.

Scientific and professional societies of which a member:

Kuwait Society of Engineers

Honors and awards:

- Received the 2008 “Highly Commended Award” from the Emerald Literati Network
- Best Track Papers Awards in 3rd International Conference on Industrial Engineering and Operations Management 2012

Institutional service in last five years:

- Principal of Research Committee (2010-2011)
- Principal of Curriculum Development Committee (2008-2009) (2009-2010)
- Budget Committee (2008-2009)
- Head of Automotive & Marine Society (2012-2013) (2013-2014)
- Curriculum Development Committee (2010-2011)
- Promotion Committee (2008-2009)
- Appointments committee (2008-2009)
- Scholarship committee in college (2011-2012)
- Scholarship committee (2012-2013)
- Research Committee in college (2010-2011)
- Research Committee (2008-2009)

Professional service in last five years:

1. Editorial Board Member of “MOETC2014 Marine Offshore and Engineering Technology” Conference, The Public Authorities of Applied Science and Training, 4-6 March 2014, in Kuwait.

Professional development activities in last five years:

- Attending the “Heading Global” Conference, The Public Authorities of Applied Science and Training, 14-16 of November, 2016.
- Attending many seminars organized by PAAET.
- Attended a number of Workshops and condensed courses conducted by the Center of Evaluation and Development, PAAET.
- Workshop on Wids , PAAET, 2008.
- Practical training workshop on (AFM-Laser confocal-HR-TEM) in Kuwait University held by EMU 2010.
- Workshop on Instructional System Design, PAAET, 2010
- Workshop on A Guide to Getting Published, PAAET, 2012.

Attended many seminar, symposium, workshop and training courses such as:

- APMP Project Management Training
- Research Practices
- Education Quality
- Basic Oil Study
- Work under stress