

Dr. Ayedh E. Al-Ajmi

Assistant Professor of Automotive and Marine Engineering Technology

Education:

- PhD. Mechanical Engineering, 2014.
- Institute: De Montfort University, UK
- Award Date: 2014
- MSc. Automotive Engineering, 2008.
- Institute: University of Brighton and University of Sussex, UK.
- Award Date: 2008
- MSc. Technology Management, 2004.
- Institute: Arabian Gulf University, Kingdom of Bahrain
- Award Date: 2004
- BSc. Mechanical Engineering, 1998.
- Institute: State University of New York, USA.
- Award Date: 1998

Number of years of service on this faculty:

- College of Technological Studies, The Public Authority for Applied Education and Training (PAAET), Kuwait
Assistant Professor 2014 to date
- College of Technological Studies, The Public Authority for Applied Education and Training (PAAET), Kuwait
Assistant Instructor 2007 – 2014

Other related experience:

- Ministry of Communications, Kuwait
Mechanical Engineer 1991 – 2007

Teaching interests:

- Computational fluid dynamics (CFD)
- Internal combustion engine (ICE)
- Materials and corrosion
- Automotive engineering
- Technology acquisition, selection, audit, transfer, management etc.
- Safety audit, risk assessment etc.

Courses taught at PAAET:

- power transmission technology (1)
- Material technology
- Automotive mechanics
- Chassis electrical and electronics system
- Projects
- Field training (1) (2)

Research interests:

- Computational fluid dynamics (CFD)
- Material technology

Principal publications of last five years:

- A. Shalwan, M. Alajmi, and A. Alajmi, Effect of aging process in different solutions Of Kenaf fibres structure and its interfacial adhesion in epoxy composites, International Journal of Polymer Science, 2018.
- A. Shalwan, M. Alajmi, and A. Alajmi, Insulation characteristics of sisal fibre/epoxy Composites, International Journal of Polymer Science, 2017.
- 1 of 3
- M. Morad, A. Alnaqi, A. Murad, N. Alhaifi, G. Alotaibi, and A. Alajmi, The measurement Of fuel consumption under hot ambient temperature in Kuwait City, SSRG International Journal of Mechanical Engineering, vol. 4, no. 3, pp. 1-5, 2017.
- A. Alajmi, K. Saeed, and A. Shalwan, An analysis of the effect of heat transfer on internal Combustion engines, International Journal of Engineering Research and Application, vol. 7, no. 12, 2017.
- J. Alotaibi and A. Alajmi, Influence of Waste Cooking Oil Temperature On Wear and Frictional Behaviour of Metals Sliding against Stainless Steel Counterface, International Journal of Innovative Research in Science, Engineering, and Technology, vol. 6, no. 2, pp. 1401-1437, 2017.
- A. Alajmi, M. Talha, I. Abdalla, J. Alotaibi, and A. Shalwan, The Effect of Adding Perforation At Air Inflow on the Mixing and Combustion of Propane Jet in a Simple Burner, International Journal of Innovative Research in Science, Engineering, and Technology, vol. 6, no. 1, pp. 782-797, 2017.
- A. Alajmi, I. Abdalla, and J. Alotaibi, Numerical Study of Reacting Flow in a Methane Burner with a Detailed Reaction Mechanism, American Scientific Research Journal for Engineering, Technology, and Sciences, vol. 23, no. 1, pp. 283-300, 2016.
- J. G. Alotaibi, A. Alajmi, and A. S. Alotaibi, The Experimental Investigation of the Performance of Phosphor Coating, GSTF Journal of Engineering and Technology, vol. 3, no. 4, pp. 66-71, 2016.
- J. G. Alotaibi, A. T. Alenzi, A. Alajmi, and A. A. Alnaqi, Vibration Isolation of Bus Engine, SSRG International Journal of Mechanical Engineering, vol. 3, no. 5, pp. 39-45, 2016.
- A. Ali, A. Alajmi, and J. G. Alotaibi, Subjective and Objective Evaluation of the Effect Of Packet Loss and Delay on Video Streaming Quality, International Journal of Computer And Information Technology, vol. 5, no. 2, pp. 265-272, 2016.
- I. Abdalla, A. Alajmi, and Z. Yang, Numerical Study of the Combustion of Conventional And Biofuels using Reduced and Advanced Reaction Mechanisms, Thermal Science, vol. 19, no. 6, pp. 2171-2184, 2015.
- A. Alajmi, I. Abdalla, T. Bengherbia, and Z. Yang, Numerical simulation of spray combustion of conventional fuels and biofuels, WIT Transactions on Engineering Sciences, vol. 82, pp. 325-335, July 2014.

Scientific and professional societies of which a member:

- .Member of Egyptian Society of Engineers.

Honors and awards:

- state university of new york awarded on the 1998

Professional service in last five years:

- 2018 chairman of the student advisement committee
- 2018 chairman of the field training committee

- 2017 chairman of the field training committee
- 2017 protocol between college of technological studies and KNPC
- 2016 member of college appointments committee
- 2016 member of the programs and curriculum development committee
- 2015 member of appointments committee
- 2014 member of social and cultural committee

Professional development activities in last five years:

Moodle

- Organizer: PAAET Faculty Association.
- Location: Kuwait City, Kuwait.
- Date: 29 March 2017

Heading Global Conference, 2013

- Organizer: The Public Authority for Applied Education and Training, Kuwait.
- Location: Kuwait City, Kuwait.
- Dates: 14 November 2016 - 16 November 2016