Dr. Jasem Alrajhi, Associate Professor of Automotive and Marine Engineering Technology

Education:

August, 1994, Bachelor of Engineering (Mechanical Engineering), University of Dayton, OH, USA.
January, 1999 Master of Engineering Science (Automotive Engineering), the University of Leeds, UK. Taught courses and miner thesis. Thesis Title: Brake Dynamometer Design.
July, 2006 Doctor of Philosophy (Mechanical Engineering), Monash University, Australia, Thesis Title: Development of a new system to reduce whiplash injury resulting from rear-end impact**.**

Number of years of service on this faculty:

Twenty-one years
1997-1998 Instructor at Automotive and Marine Dept.
1998-1999 Mission missionary For Master Degree
1999-2001 Assistant Instructor at Automotive and Marine Dept.
2001-2006 Mission missionary For Ph.D. Degree
2006- 2015 Assistant Professor at Automotive and Marine Dept.
2015-Till New Associate Professor at Automotive and Marine Dept.

Other related experience:

1997-1998 Instructor at Automotive and Marine Dept.
1998-1999 Mission missionary For Master Degree
1999-2001 Assistant Instructor at Automotive and Marine Dept.
2001-2006 Mission missionary For Ph.D. Degree
2006- 2015 Assistant Professor at Automotive and Marine Dept.
2015-Till New Co-Professor at Automotive and Marine Dept.

Teaching interests:

Applied Mechanics, Accident analysis.

Courses taught at PAAET:

Applied Mechanics, Accident analysis.

Research interests:

Principal publications of last five years:

1. Dr. Jasem M.S. Al-Rajhi, Dr. Hilal A. Abdelwali, Dr. Elsayed E.M. Ellaimony, and Dr. Swilem A.M. Swilem, A Decomposition Algorithm for Solving A Class of Bi-Criteria Multistage Transportation Problem With Case Study,2013, Vol. 2, Issue 9, International Journal of Innovative Research in Science, Engineering and Technology.
2. Dr. Mukhtar M., A. Murad, and Dr. Jasem Alrajhi, Consumption Comparison of Different Modes of Operation of a Hybrid Vehicle, 2013, (2)9, International journal of science & technology.
3. Jasem M. Alrajhi , and Ahmed Abed, Effect of Non-linear Damper in Dynamic Vibration Absorber Behavior, 2014, Universal Journal of Mechanical Engineering 2(5): 155-157.
4. Mohsen Alardhi, Ahmed Abed, Yousef Alhouli, Khalid Alkhulaifi, and Jasem ALRajhi, Non-linear Dynamic Model of Pressure Regulatin Valve, 2014, International journal of science & technology 3(8):845-853.
5. K. Alkhulaifi, M. Alardhi, J. Alrajhi and A. Abed, Drop Damping Seat to Reduce Whiplash Injury in Rear-end Collision, 2014, Global Journal of Researches in Engineering: B (Automotive Engineering) , Volume 14, Issue 3, Version 1, 13-18.
6. M. Alardhi, K. Alkhulaifi, J. Alrajhi and A. Abed, Linear Damping Seat to Reduce Whiplash Injury in Rear-end Collision, 2014, Global Journal of Researches in Engineering: B (Automotive Engineering) , Volume 14, Issue 3, Version 1, 25-30.
7. J. Alrajhi, M. Alardhi, A. Abed and K. Alkhulaifi , Development a Single Zone Heat Release Model, 2014, Global Journal of Researches in Engineering: B (Automotive Engineering), Volume 14 Issue 4 Version 1.0 Type: Online ISSN: 2249-4596 & Print ISSN: 0975-5861.
8. Dr. Mukhtar M. A. Murad, Dr. Jasem Alrajhi, and Dr. Manzoor Ali, Experimental Analysis On The Performance Of A Traction System, 2013, International Journal of Engineering Research & Technology (IJERT) Vol. 2 Issue 8, IJERTIJERT ISSN: 2278-0181.

9. Yehia Abdel-Nasser, Jasem Alrajhi, Mohsen Alardhi, and Khalid Alkhulaifi, Frontal Crash Simulation of Vehicles Against Lighting Columns in Kuwait Using FEM, 2013, International Journal of Traffic and Transportation Engineering 2(5): 101-105.
10. Dr. Jasem M.S. Alrajhi, Dr. Hilal A. Abdelwali, Dr. Mohsen S. Alardhi, and Eng. Rafik El Shiaty, ON BICRITERIA LARGE SCALE TRANSSHIPMENT PROBLEMS, 2012, Journal of Engineering and Technology.
11. M. H. Alhajeri, H. Alhamad Alhajeri, Jasem Alrajhi, Mohsen Alardhi, and Sulaiman Alshaye, Numerical Analysis of Fluid Flow in Turbine Blade Cooling Passage, 2011, International Journal of Science and Advanced Technology (ISSN 2221-8386).
12. M. H. Alhajeri, Jasem Alrajhi, Mohsen Alardhi, and Saleh Alhajeri, Numerical Investigation of Flow Past Cylinder in Cross Flow, 2010, World Academy of Science, Engineering and Technology.
13. Hilal A. Abdelali, Elsayed E.M. Ellaimony, Ahmed E. M. Murad, and Jasem M. S. Al-Rajhi, Optimum Replacement Policies for Kuwait Passenger Transport Company Busses Case Study, 2011, World Academy of Science, Engineering and Technology Vol:51.
14. Mukhtar M. A. Morad, and Jasem Alrajhi, The Effect of High Temperature on Engine Performance in Kuwait Conditions, 2014, Journal of Mechanical Engineering and Automation 4(2): 55-62
15. Mukhtar M. A. Morad, and Jasem Alrajhi, Theoretical Analysis on The Performance of A Traction System, 2013, International Journal of Science and Advanced Technology (ISSN 2221-8386).
16. Khalid Alkhulaifi, Jasem AlRajhi, Elsayed E. M. Ellaimony, Mohsen AlArdhi , and Hilal A. Abdelwali, An Algorithm for Solving Bi-Criteria Large Scale Transshipment Problems, 2014, Global Journal of Researches in Engineering: B Automotive Engineering Volume 14 Issue 4 Version 1.0 Type: Double Blind Peer Reviewed International Research Journal Publisher: Global Journals Inc. (USA) Online ISSN: 2249-4596 & Print ISSN: 0975-5861.
17. Natural Convective Heat Transfer from Narrow Plates, 2013, DOI 10.1007/978-1-4614-5158-7, Print ISBN 978-1-4614-5157-0, Online ISBN 978-1-4614-5158-7, Publisher Springer New York.

Scientific and professional societies of which a member:

1. KSE (Kuwait Society of Engineers), Member.
2. ASPACI (Australasian and South Pacific Association of Collision Investigators), Member.

Honors and awards:

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:

Active Member of "MOETC2014 Marine Offshore and Engineering Technology" Conference, The Public Authorities of Applied Science and Training, 4-6 March 2014, in Kuwait.

Reviewer 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:

1. Attended a number of Workshops and condensed courses conducted by the Center of Evaluation and Development, PAAET, 2011-2016.
2. Attending the …….. Conference on …….
3. Attending the International Conference of ……..

4. Attending many conferences in Green Building, Electricity and Water, Energy and Environment and District Cooling in the past few years, Kuwait
5. Attending many seminars organized by KEFAS, KISR and PAAET.