

Khalid Mahmood

Associate Professor

College of Electrical & Mechanical Engineering

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About

Dr. Khalid Mahmood is working as Associate Professor in the College of Electrical & Mechanical Engineering. Dr. Khalid Mahmood has a PhD in Laser Material Processing. Dr. Khalid Mahmood has published 14 research articles & conference papers having a citation count of 162, carried out 0 projects and filed 0 intellectual property.

Qualifications

PhD in Laser Material Processing University of Manchester , England	2009 - 2012
MSc in Design UET Peshawar , Pakistan	1998 - 2001
BE in Mechanical Engineering UET Lahore , Pakistan	1984 - 1989

Experience

Associate Professor College of Electrical & Mechanical Engineering	2020- Present
Associate Professor College of Electrical & Mechanical Engineering	2019 - 2019
Associate Professor College of Electrical & Mechanical Engineering	2012 - 2012
Army Officer GHQ , C/O GHQ	1989 - 2018

Professional Memberships

PEC	Since 1990
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Research Articles

Roller sliding in engine valve train: Effect of oil film thickness considering lubricant composition <i>Muhammad Khurram Riaz Ahmad Mufti Muhammad Usman Bhutta Hafiz Malik Naqash Afzal Muhammad Usman Abdullah Sami Ur Rahman Shah Saif ur Rehman Rehan Zahid Khalid Mahmood Mian Ashfaq Muhammad Umar</i> <i>Tribology International</i> , Volume 149, Article Number 105829 Impact Factor: 4.872 Quartile: 1 Citations: 11 DOI: 10.1016/j.triboint.2019.06.022	2020
Investigating the Impacts of Heterogeneous Infills on Structural Strength of 3D Printed Parts <i>Ramisha Sajjad Sajid Ullah Butt Khalid Mahmood Hasan Aftab Saeed</i> <i>Key Engineering Materials</i> , Volume 799, Pages 276-281 Impact Factor: 0 Citations: 4 DOI: https://doi.org/10.4028/www.scientific.net/KEM.799.276	2019
The effect of particle size on the dispersion and wear protection ability of MoS2 particles in polyalphaolefin and trimethylolpropane ester <i>Khalid Mahmood Mubashir Gulzar Abdullah Alabdulkarem M. A Kalam Pervaiz Ahmad M. S. S Malik Rehan Zahid H. H Masjuki M. Varman N.W.M Zulkifli</i> <i>Proceedings of the Institution of Mechanical Engineers, Part J: Journal of Engineering Tribology</i> , Volume 232, Issue 8, Pages 987-998 Impact Factor: 1.137 Quartile: 3 Citations: 11	2018

DOI: 10.1177/1350650117749404

Development of a STEP-compliant design and manufacturing framework for discrete sheet metal bend parts

2018

Syed Husain Imran Jaffery Zahid Faraz Syed Waheed ul Haq Liaqat Ali Wasim Akram Tarar Aamer Ahmed Baqai Mushtaq Khan Rizwan Saeed Choudhry Khalid Mahmood

Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, Volume 232, Issue 6, Pages 1090-1104

Impact Factor: 1.752 | **Quartile:** 3 | **Citations:** 5

DOI: 10.1177/0954405416661007

Root cause failure analysis of a tracked vehicle balance arm

2017

Dr. Khalid Mehmood Ayaz M. Khan Syed Waheed ul Haq Rizwan Saeed Choudhry Shahbaz Mahmood Khan

Case Studies in Engineering Failure Analysis, Volume 9, Pages 112-117, October 2017

Impact Factor: 0 | **Citations:** 5

DOI: <https://doi.org/10.1016/j.csefa.2017.10.001>

Study of physical, magnetic and electrical properties of rare-earth substituted Li-Mg ferrites

2017

Shahid M. Ramay M.U.Isam Irshad Ali Muhammad Azhar Khan M. AsifIqbal M. Hassan Khan M. Khalid Mehmood

Journal of Alloys and Compounds, Volume 692, Pages 322-331, 25 January 2017

Impact Factor: 3.779 | **Quartile:** 1 | **Citations:** 31

DOI: 10.1016/j.jallcom.2016.09.049

Sheet-metal bend sequence planning subjected to process and material variations

2017

Zahid Faraz Syed Waheed ul Haq Liaqat Ali Khalid Mahmood Wasim Akram Tarar Aamer Ahmed Baqai Mushtaq Khan Syed Husain Imran

The International Journal of Advanced Manufacturing Technology, NULL

Impact Factor: 2.601 | **Quartile:** 2 | **Citations:** 11

DOI: 10.1007/s00170-016-8823-x

Direct laser deposition with different types of 316L steel particle: A comparative study of final part properties

2013

Khalid Mahmood Andrew John Pinkerton

Proceedings of the Institution of Mechanical Engineers, Part B: Journal of Engineering Manufacture, Volume 227, No. 4, Pages 520-531

Impact Factor: 0.661 | **Quartile:** 3 | **Citations:** 35

DOI: 10.1177/0954405413475961

Laser clad corrosion protection for mild and harsh environments

2012

Khalid Mahmood Andrew John Pinkerton Nicholas Stevens

Journal Surface Engineering, Volume 28, 2012 - Issue 8

Impact Factor: 1.545 | **Quartile:** 2 | **Citations:** 5

DOI: 10.1179/1743294412Y.0000000035

Laser surface modification using Inconel 617 machining swarf as coating material

2012

Andrew John Pinkerton Nicholas Stevens Dr. Khalid Mahmood

Journal of Materials Processing Technology, Volume 212, Issue 6, Pages: 1271-1280

Impact Factor: 1.953 | **Quartile:** 1 | **Citations:** 20

DOI: 10.1016/j.jmatprotec.2012.01.014

Innovative reconsolidation of carbon steel machining swarf by laser metal deposition

2011

Khalid Mehmood Andrew John Pinkerton Waheed Ul Haq Syed

Optics and Lasers in Engineering, Volume: 49, Issue: 2, Pages: 240-247, Feb 2011

Impact Factor: 1.838 | **Quartile:** 2 | **Citations:** 24

DOI: <https://doi.org/10.1016/j.optlaseng.2010.09.014>

- Recycling of Machining Waste by Laser Metal Deposition** 2017
Khalid Mahmood
6th International Conference on Recycling: Reduce, Reuse, Recycle, res.country(233,)
Citations: N/A
DOI: https://www.researchgate.net/publication/322055133_Recycling_of_machining_waste_by_laser_metal_deposition
- Laser Surface Cladding of Inconel 617 Chips on Mild Steel** 2011
Khalid Mahmood Waheed Ul Haq Syed A.J. Pinkerton
25th International Conference on Surface Modification Technologies (SMT25), res.country(196,)
Citations: N/A
DOI: N/A
- Energy conservation by efficiently utilizing machining waste** 2010
Khalid Mahmood Waheed Ul Haq Syed Andrew J. Pinkerton
International Conference on Energy Systems Engineering (ICESE-2010), res.country(177,)
Citations: N/A
DOI: N/A