

CURRICULUM VITAE

PERSONAL DETAILS

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ACADEMIC QUALIFICATION (Qualification), (Institution), (Year of Graduate).

PHD, UNIVERSITI TEKNOLOGI MARA, MALAYSIA, 2015
MASTERS, UNIVERSITI TEKNOLOGI MARA, MALAYSIA, 2009
B Eng (Hons), UNIVERSITY MALAYA, MALAYSIA, 2000

PROFESSIONAL AFFILIATION/MEMBERSHIP (Organisation), (Role), (Year), (level)

Board of Engineer Malaysia (BEM), Graduate Member, 2012,
The Institute of Engineers, Malaysia (IEM), Companion Member, 2014
Institution of Mechanical Engineers (IMechE), Associate Member, 2015
Malaysian Society for Engineering and Technology (MySET), Life Member, 2009,
Malaysian Tribology Society (MyTribos), Life Member, 2010,
Society of Tribologists & Lubrication Engineers (STLE), Member, 2014,

WORKING EXPERIENCE

(Organisation), (Role), (Year)

System Engineering Department, Military Technological College, Muscat Oman, Senior Lecturer, 2015 - 2016

Mechanical Engineering Section, Universiti Kuala Lumpur International College, Senior Lecturer, 2014 – 2015

Faculty of Mechanical Engineering, Universiti Teknologi MARA, Part Time Lecturer, 2014

Faculty of Mechanical Engineering, Research Assistant, 2009 – 2014

Pusat Asasi Sains, Universiti Malaya, Lab Demonstrator, 2009 - 2013

Faculty of Mechanical Engineering, Universiti Teknologi MARA, Tutor, 2013

Pusat Asasi Sains, Universiti Malaya, Tutor, 2009-2013

Centre for Foundation Studies, IIUM, Part time Lecturer, 2009 – 2011

OMRON (M) SDN BHD, Facility Engineer, 2006-2009

OMRON (M) SDN BHD, Machine Development, Engineering Department, 2000-2006

PUBLICATIONS

1. **Ahmad, M. A.**, Kasolang, S., & Ghani, J. A. (2015). Effects of oil groove location on viscosity profile in hydrodynamic lubrication journal bearing. In *Proceedings of Malaysian International Tribology Conference 2015* (Vol. 2015, pp. 318-319). Malaysian Tribology Society.
2. Bakar, M. A., **Ahmad, M. A.**, Kasolang, S., Roseley, N. N., & Masdek, N. N. M. (2015). Abrasive wear rate on natural fibre composite. In *Proceedings of Malaysian International Tribology Conference 2015* (Vol. 2015, pp. 148-149). Malaysian Tribology Society.
3. Abdullah, N. R., Asiah, A. R., Helmisyah, A. J., Michael, Z., & **Ahmad, M. A.** (2015). Effects of fuel additive to the fuel economy and emission in gasoline engine. In *Proceedings of Malaysian International Tribology Conference 2015* (Vol. 2015, pp. 161-162). Malaysian Tribology Society.
4. Bakar, M. A. A., Ahmad, S., Kasolang, S., **Ahmad, M. A.**, Roseley, N. R. N., Norazlini, S., & Kuntjoro, W. (2015). Mechanical performance of modified epoxy reinforced hybrid natural fiber composite. *Jurnal Teknologi*, 76(3).
5. Bakar, M. A. A., Ahmad, S., Kasolang, S., **Ahmad, M. A.**, Roseley, N. R. N., Norazlini, S., & Kuntjoro, W. (2015). Characterization of rubber toughened epoxy reinforced

hybrid kenaf/carbon fiber via water absorption and thermal degradation. *Jurnal Teknologi*, 76(3).

6. **Ahmad, M. A.**, Kasolang, S., & Dwyer-Joyce, R. S. (2014). Experimental study on the effects of oil groove location on temperature and pressure profiles in journal bearing lubrication. *Tribology International*, 74, 79-86.
7. **Ahmad, M. A.**, Kasolang, S., & Dwyer-Joyce, R. (2013). The Effects of Oil Supply Pressure at Different Groove Position on Frictional Force and Torque in Journal Bearing Lubrication. *Procedia Engineering*, 68, 70-76.
8. **Ahmad, M. A.**, Kasolang, S., Dwyer-Joyce, R., & Bakar, M. A. A. (2013). The Effects of Oil Groove Position on Torque and Frictional Force in Hydrodynamic Journal Bearing. *Applied Mechanics and Materials*, 393, 907-912.
9. Abdul Rahman, N., Kasolang, S., **Ahmad, M. A.**, & Bakar, M. A. A. (2013). Analysis of Transmission Fluid in Manual Diesel Engine by Ferrographic Technique. *Applied Mechanics and Materials*, 393, 925-930.
10. **Ahmad, M. A.**, Kasolang, S., & Dwyer-Joyce, R. (2013). Experimental Study of Oil Supply Pressure Effects on Bearing Friction in Hydrodynamic Lubrication. *Applied Mechanics and Materials*, 315, 977-981.
11. Kasolang, S., Dwyer Joyce, R. S., & **Ahmad, M. A.** (2013). PZT transducer design and pulsing optimization for film thickness and viscosity measurement. *Sensors and Actuators A: Physical*, 203, 386-393.
12. **Ahmad, M. A.**, Kasolang, S., Dwyer-Joyce, R., & Abdullah, N. R. (2013). The Effect of Oil Supply Pressure on the Circumferential Pressure Profile in Hydrodynamic Journal Bearing. *Applied Mechanics and Materials*, 315, 809-814.
13. **Ahmad, M. A.**, Kasolang, S., Dwyer-Joyce, R. S., & Jumahat, A. (2013). The Effects of Oil Supply Pressure at different Groove Position on Temperature and Pressure Profile in Journal Bearing. *Jurnal Teknologi*, 66(3).
14. Ghani, M. A. A., Kamal, A. F., **Ahmad, M. A.**, Taib, Y. M. D., Salleh, Z., & Alias, S. K. (2013). Slurry Wear Test of Long Kenaf Polyester Composite (LKPC) and Long Kenaf Polyester with Fiberglass Composite. *Applied Mechanics and Materials*, 393, 919-924.
15. Kasolang, S., **Ahmad, M. A.**, Joyce, R. D., & Tai, C. F. M. (2012). Preliminary Study of Pressure Profile in Hydrodynamic Lubrication Journal Bearing. *Procedia Engineering*, 41, 1743-1749.
16. Kasolang, S., **Ahmad, M. A.**, Abu Bakar, M. A., & Abdul Hamid, A. H. (2012). Specific Wear Rate of Kenaf Epoxy Composite and Oil Palm Empty Fruit Bunch (OPEFB) Epoxy Composite in Dry Sliding. *Jurnal Teknologi*, 58(2).

17. Kasolang, S., Kalam, A., & **Ahmad, M. A.** (2011). Dry Sliding Wear of Oil Palm Empty Fruit Bunch (OPEFB) Epoxy Composite. *Advanced Materials Research*, 308, 1535-1539.
18. Kasolang, S., Kalam, A., **Ahmad, M. A.**, Rahman, N. A., & Suhadah, W. N. (2012, June). Abrasive wear: The effects of fibres size on oil palm empty fruit bunch polyester composite. In *THE 4TH INTERNATIONAL MEETING OF ADVANCES IN THERMOFLUIDS (IMAT 2011)* (Vol. 1440, No. 1, pp. 1169-1174). AIP Publishing.
19. Kasolang, S., **Ahmad, M. A.**, & Dwyer Joyce, R. S. (2011). Measurement of circumferential viscosity profile in stationary journal bearing by shear ultrasonic reflection. *Tribology International*, 44(11), 1264-1270.
20. Kasolang, S., **Ahmad, M. A.**, Ghazali, F. A., & Azmi, A. M. (2011). Preliminary study of dry sliding wear in Kenaf Epoxy and Carbon Epoxy composites. *Applied Mechanics and Materials*, 52, 464-469.
21. Kasolang, S., **Ahmad, M. A.**, & Joyce, R. D. (2010, April). Viscosity profile measurement in journal bearing by shear ultrasonic reflection. In *Computer Engineering and Technology (ICCET), 2010 2nd International Conference on* (Vol. 5, pp. V5-41). IEEE.

PAPER PRESENTED

DATE	CONFERENCE AND VENUE	TITLE
6 th – 9 th July 2013	The 11th Asia-Pacific Conference on Materials Processing (APCMP 2014) University of Auckland, Auckland, New Zealand	Water Absorption and Thermal Study of Toughened Epoxy Reinforced Hybrid Kenaf/Carbon Fibre
18 th - 20 th November 2013	Malaysian International Tribology Conference 2013 (MITC2013) Sutera Harbour Resort, Sabah, Malaysia	The Effects of Oil Supply Pressure at Different Groove Position on Frictional Force and Torque in Journal Bearing Lubrication
8 th – 13 th September 2013	5 th World Tribology Conference (WTC2013) Torino, Italy	Experimental Study on the Effects of oil Groove Location on Temperature and Pressure Profiles in Journal Bearing Lubrication
4 th - 6 th September 2013	40 th Leeds-Lyon Symposium on Tribology (Tribo-Lyon 2013) Lyon, France	The Effects of Oil Supply Pressure at different Groove Position on Temperature and Pressure Profile in Journal Bearing
28 th – 29 th August 2013	International Conference on Advances in Mechanical Engineering 2013 (ICAME2013) Malacca, Malaysia	<ol style="list-style-type: none"> 1. The effects of Oil Groove Position on Torque and Frictional Force in Hydrodynamic Journal Bearing 2. Slurry Wear Test of Long Kenaf Polyester Composite (LKPC) and Kenaf Polyester with Fiberglass Composite 3. Ferrographic Technique: Analysis of Transmission Fluid

20 th – 21 st November 2012	International Conference on Mechanical and Manufacturing Engineering (ICME2012) Seminar Hall, UTHM Library Building	in Manual Diesel Engine by Ferrographic Technique 1. The Effect of Oil Supply Pressure on the Circumferential Pressure Profile in Hydrodynamic Journal Bearing 2. Experimental Study of Oil Supply Pressure Effects on Bearing Friction in Hydrodynamic Lubrication
22 nd – 24 th November 2011	Regional Tribology Conference (RTC2011) Bayview Hotel, Langkawi, Malaysia	SPECIFIC WEAR RATE OF KENAF EPOXY COMPOSITE AND OIL PALM EMPTY FRUIT BUNCH (OPEFB) EPOXY COMPOSITE IN DRY SLIDING
3 rd – 4 th October 2011	International Meeting of Advances in Thermofluids (IMAT2011) Melaka, Malaysia	Abrasive Wear: The Effects of Fibre Size on Oil Palm Empty Fruit Bunch (OPEFB) Polyester Composite

REFERENCE

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