

**Dr. Ramli Junid**

Senior Lecturer
Faculty of Mechanical Engineering,
Universiti Malaysia Pahang,
26600, Pekan, Pahang,
MALAYSIA.
Tel: 609-4246274, Fax: 609-4246222
Email: ramli@ump.edu.my



**Universiti
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Engineering • Technology • Creativity

Academic Qualifications

1. PhD Materials Engineering (Polymer, Nanocomposites, Multiscale Composites), University of Manchester, United Kingdom, 2016.
2. M. Eng (Advanced Manufacturing Technology), University of South Australia (UniSA), 2009.
3. B. Eng. Manufacturing Engineering (Manufacturing Process), UTeM, 2006.

Working Experiences

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| 1. Nov 2016 - to date | Senior Lecturer, Universiti Malaysia Pahang. |
| 2. Sep 2012 - Sep 2014 | Teaching Assistant, University of Manchester, United Kingdom. |
| 3. Aug 2009 - Oct 2016 | Lecturer, Universiti Malaysia Pahang. |
| 4. Dec 2006 - July 2009 | Tutor, Universiti Malaysia Pahang. |
| 5. Oct 2008 - Dec 2008 | Energy Consumption Surveyor, University of South Australia (UniSA) |
| 6. June 2006 - Nov 2006 | QRE Engineer, Perodua Manufacturing (M) Sdn Bhd, Rawang, Selangor. |

Research Interest

Polymer Blend, Nanomaterials (Graphene), Nanocomposites, Multiscale Composites, Polymer Matrix Composites and Manufacturing Process.

Research Grants

1. Graphene Nanoplatelets for Epoxy Composites in Automotive Applications, RDU1703321, Main Researcher, RM21000.
2. Investigation of Properties and Performance of Diamond Coated Cutting Tools, RDU100312, Main Researcher, RM39270.
3. Graphene Nanoplatelets Nanocomposites for Carbon Fibre Composite, RDU161108, Main Researcher, RM5500.
4. Development of a Lightweight Front Lower Control Arm using Polyetheretherketone (PEEK), RDU1703311, Co-researcher, RM29000
5. Effect of Solution Concentration and Temperature On The Growth Of Ferromagnetic Nanowires During Electrodeposition, RDU170320, Co-researcher, RM38700
6. Synthesis of Silver Nanowires Hybrid Thin Film for Advanced Automotive Application, RDU1703152, Co-researcher, RM26000.
7. Hybrid Electrical Vehicle Driveline Development, RDU070304, Co-researcher, RM34000.
8. Graphene Dip Coating of Light Alloys for Automotive Application, RDU1703322, Co-researcher, RM30000.
9. Fatigue Behaviour of Sugar Palm Fibre Reinforced Polylactic Acid Composites for Automotive Application, RDU1703320, Co-researcher, RM21500.
10. New Technique of Drilling/Cutting of Polymer Composite for Automotive Part by Low Power Laser, RDU110338, Co-researcher, RM38000.

Position

1. Coordinator for Industrial Training Committee, Bachelor's Degree Program (Automotive), Faculty of Mechanical Engineering, Universiti Malaysia Pahang (2016 – to date).
2. Coordinator for Outcome Based Education committee, Faculty of Mechanical Engineering, Universiti Malaysia Pahang (2009 – 2011).

Supervision

Graduated:
Master's Degree – 1
Bachelor's Degree – 6

Ongoing:
Bachelor's Degree – 3

Professional Qualification / Membership / Affiliation / Experience

Membership of Professional Body

1. Registered Engineer, Board of Engineer, Malaysia (BEM)
2. Registered Engineer, The Institution of Engineers, Malaysia (IEM)
3. Secretariat for Viva Examination

Publications

A) International and National Journal

1. N.A.M., Noor, J.A., Razak, S., Ismail, N. Mohamed, L.K., Tee, R.F., Munawar & **R. Junid**, (2016), Review on Carbon Nanotube Based Polymer Composites and its Application, *Journal of Advanced Manufacturing Technology (JAMT)*.
2. **J., Ramli**, A.S., Hadi, A.R., Jeefferie & M.M., Mahat., (2010). A Preliminary Study on the effects of Photoinitiator and UV Curing Exposure Time to the Mechanical and Physical Properties of the Epoxy and Vinyl Ester Fiber Glass Laminated Composites. *International Journal of Engineering & Technology*. Vol: 10 No: 06, pp 14-20. ISSN 2077-1185.
3. Thet Thet Mon, **J., Ramli**, A.R., Jeefferie, S., Safian & V.C., Venkatesh., (2011). Performance of Cryogenic Machining with Nitrogen Gas in Machining of Titanium. *Journal of Applied Mechanics and Materials*. Vol: 52-54 (2011), pp 2003-2008. ISSN: 1662-7482.
4. A.R., Jeefferie, A.R Toibah, M.Y. Yuhazri & **J., Ramli**, Tensile and Impact Properties Evaluation for Enviro-Recycled Wood Plastic Composite of PP/r-WF. *Journal of Applied Mechanics and Materials*. Vol: 52-54 (2011), pp 2082-2087. ISSN: 1662-7482.
5. Mohd Muzamir Mahat, Dayangku Noorfazidah Awang Sh'ri, **Ramli Junid**, and Jeefferie Abdul Razak, Interfacial reactions between lead-free solders and Ni/Au surface finishes. *Canadian Journal on Mechanical Sciences & Engineering*. Vol. 2, No. 3, March 2011.
6. **J. Ramli**, & A.R., Jeefferie (2011). Effects of UV curing exposure time to the mechanical and physical properties of the epoxy and vinyl ester fiber glass laminates composites; *ARPJ Journal of Engineering and Applied Sciences* ISSN 1819-6608, April 2011.
7. A.R., Jeefferie., & **J. Ramli**, Preliminary study on the physical and mechanical properties of tapioca starch /sugarcane fiber cellulose (TS/SCFC) composite. *ARPJ Journal of Engineering and Applied Sciences* ISSN 1819-6608, April 2011.
8. **J. Ramli**, A.R., Jeefferie & M.M., Mahat., (2011). The Effects of Photoinitiator Addition to the Mechanical and Physical Properties of the Epoxy and Vinyl Ester Fiber Glass Laminated Composites. *International Journal of Applied Science and Technology*, ISSN 2221-0997, June 2011.
9. **J. Ramli**, DN Sh'ri, NA Alang, Y Nor Imrah, MM Mahat, Effects of Surface Pretreatment to the Properties of Aluminum Oxide (Al₂O₃) Cutting Tool Coated Amorphous Graphite, *Advanced Materials Research* 463, 369-374.
10. DN Sh'ri, **J Ramli**, NA Alang, MM Mahat, Influence of Surface Pretreatment on Carbon Coating of Cutting Tools Using PVD, *Applied Mechanics and Materials* 236, 530-535.
11. DN Awang Sh'ri, **J Ramli**, NA Alang, MM Mahat, Effect of Surface Pretreatment on Morphology and Microhardness on Carbon Coating Using PVD, *Advanced Materials Research* 472, 50-54.

B) International and National Conference Papers

1. N.A.M., Noor, J.A., Razak, S., Ismail, N. Mohamed, L.K., Tee, R.F., Munawar & **R. Junid**, (2016), MWCNTs Functionalization and Their Effects on the Mechanical Properties of Epoxy/MWCNTs Nanocomposites, Proceeding of Innovative Research and Industrial Dialogue, pp93-94.
2. **J. Ramli**, Arthur N. Wilkinson. New Diamond and Nano Carbons Conference (NDNC 2014), Chicago, Illinois, USA, 25-29 May 2014, Chicago, United States of America.
3. **J. Ramli**, Arthur N. Wilkinson. Postgraduate Conference, School of Materials, The University of Manchester, United Kingdom, May 2012 – 2014.
4. M.F. Hassan, M. Mailah, **R. Junid** and N.A. Alang, (2010). Vibration Suppression of a Handheld Tool Using Intelligent Active Force Control (AFC). *Proceedings of the World Congress on Engineering 2010*. Vol: II, ISSN: 2078-0958.
5. H. A. Salaam & **R. Junid**, (2010). Discrete-Event Simulation of an Automobile Part Manufacturing Line. *Proceedings of Second National Conference in Mechanical Engineering for Research & Post Graduate Studies*. Vol: I, ISBN 978-967-0120-04-1.
6. Thet Thet Mon, **J., Ramli**, A.R., Jeefferie, S., Safian & V.C., Venkatesh., (2011). Performance of Cryogenic Machining with Nitrogen Gas in Machining of Titanium. International Conference on Mechanical Engineering 2011, Vol: 52-54 (2011), pp 2003-2008. ISSN: 1662-7482. 3-4 April, Phuket.
7. A.R., Jeefferie, A.R Toibah, M.Y. Yuhazri & **J., Ramli**, Tensile and Impact Properties Evaluation for Enviro-Recycled Wood Plastic Composite of PP/r-WF. International Conference on Mechanical Engineering 2011 Vol: 52-54 (2011), pp 2082-2087. ISSN: 1662-7482. 3-4 April, Phuket.

Teaching Experiences

1. Sem 1 2016/2017
BMM3996 Industrial Training, 6 credit
BMM2521 Engineering Mechanics Lab 2, 1 credit
BMM1523 Engineering Materials, 3 credit
2. Sem 2 2016/2017
BMM3996 Industrial Training, 6 credit
BMM1511 Engineering Mechanics Lab 1, 1 credit
BMM1533 Strength of Materials, 3 credit
BMM1543 Strength of Materials, 3 credit