**JKM’s PROCEEDINGS**

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| **No** | **Title**  | **Name** | **No** | **Title**  | **Name** |
| **Prof Ir Dr Wan Ali Wan Mat** |  | **Prof Madya Dr Risby Mohd Sohaimi** |
| 1 |  Integrated Portable Air-conditioning System  | Muhammad IkmanIshak, W.A.Wan Mat, The 10th Asean International Conference on Fluid Machinery, 21-23 October 2009, Berjaya Times Square Hotel & Convention Center, Kuala Lumpur. | 1 | Response of Steel fiber subjected to blast loading’’. 28th  | Alias, M.Y., Norazman, M.N. Ariffin, I, Ng, C.P. **M.S Risby** and Fauzi, M.Z., Conference of Federation of Engineering Organisation, Hanoi Vietnam, 30th – 2nd December 2010 |
| 2 | NGV problems & Multi-Stage Symmetrical Wobble Plate Compressor | W.A.Wan Mat, AdiyansyahSyahrom, M N Musa, A AbdLatif‘3rd Engineering Conference on Advanced in Mechanical and Manufacturing for Sustainable Environment”, Pullman Hotel, Kuching, Sarawak, 14-16 April 2010. | 2 | An Overview of Field Blast Test on Concrete Structures Subjected to Blast Loading.  | Alias, M.Y., Norazman, M.N. Ariffin, I, Ahmad.M, Ng, C.P. and Fauzi, M.Z., **M.S Risby,** 2009. Proceedings of the Asia Pacific Conference on Defence and Security Technology, Hotel Istana, Kuala Lumpur, 6-7 October 2009. |
| 3 | Conceptual Design of an Integrated Portable Air-conditioning System | Muhammad IkmanIshak, W.A.Wan Mat, Bulletin Colloquium JabatanKejuruteraanMekanikal, FakultiKejuruteraan UPNM, 29-6-2010, Pusat Marin, UPNM (ISSN: 2180-4133)Proceeding Colloquium, JabatanKejuruteraanMekanikal, FakultiKejuruteraan UPNM, 29-6-2010, Pusat Marin, UPNM. (ISBN: 978-967-5985-08-9) | 3 | Investigation of the Behaviour of Steel Fibre Reinforced Concrete subjected to Blast Loading. Proceedings of the Regional Engineering  | Alias, M.Y., Norazman, M.N., Arifin, I., ***Risby, S.*** and Ng, C.P., 2009. Postgraduate Conference 2009, 20-21 October 2009, Kuala Lumpur, Malaysia |
| 4 | Integrated Portable Air-conditioning System | Muhammad IkmanIshak, W.A.Wan Mat, Journal of Fluid Machinery. (telahdiajukandandalam process editing)  | 4 |  “Durian Husk as Potential Source for Particleboard Industry”  | Zainuddin Z. and ***Risby M.S*** ; Proceedings of the International Conference on Advancement of Materials and Nanotechnology, Langkawi Kedah,29th May – 1st June 2007, ***(Indexed in SCOPUS and AIP)*** |
| 5 | Optimum Design of Multi-Stage Symmetrical Wobble Plate Compressor | W.A.Wan Mat, AdiyansyahSyahrom, M N Musa, AAbdLatif. Engineering Colloquium 2011, 15 June 2011, Mine Wellness Hotel, Selangor | 5 |  “A Novel Hybrid Armor Composite For Lightweight Ballistic Panel Applications”  | ***Risby M.S***, Khairul A.R, A.M.S Hamouda,ElsadigM.,Wong S.V; Proceedings of the International Conference of Composite Materials &nano-Structures (IC2MS-06), S.Alam,Selangor,Malaysia,24-27th April 2006, |
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| 1 | Integrated Model for Measurement and Evaluation of Discomfort for Car Seat | Daruis, D.D.I., Deros, B.M. & Nor, M.J.M. 2011. Engineering Colloquium 2011, 15 June 2011, Mine Wellness Hotel, Selangor  | 11 | Fundamental sitting anthropometrics and differences among Malaysian Malays, Chinese and Indians.  | Deros, B.M., **Daruis, D.D.I.**& Nor, M.J.M. 2008. Advanced Manufacturing Research Group Seminar 01. Selangor Malaysia. |
| 2 | A Psychophysics Model of Predicting Car Seat Static and Dynamic Discomfort | Daruis, D.D.I, Nor, M.J.M., Deros, B.M. &HosseiniFouladi, M. 2011. The 18th International Conference on Sound and Vibration (ICSV18). Brazil | 12 | Questionnaire-based survey on drivers’ noise and vibration discomfort.  | Nor, M.J.M, Deros, B.M. &**Daruis, D.D.I**. 2007. 14th International Congress on Sound and Vibration (ICSV14), Cairns Australia. |
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| 4 | Vibration transmissibility and subjective evaluation on whole-body vibration in a field investigation.  | **Dian Darina Indah Daruis**, MohdJailaniMohd Nor and Baba MdDeros, Mohammad HosseiniFouladi. 2010. The 17th International Congress on Sound and Vibration (ICSV17) Cairo. | 14 | Anthropometric study of Malaysian military cadets,  | **Dian Darina Indah Daruis**, Baba MdDeros and MohdJailaniMohd Nor (2007) Proceedings of International Conference on Ergonomics, KL |
| 5 | Vibration transmissibility of various seat occupants’ body parts – a field test.  | **D.D.I Daruis**, M.J.M. Nor, B.M. Deros, and M. HosseiniFouladi. The 3rd Regional Conference on Noise, Vibration and Comfort (NVC) 2010, Putrajaya Malaysia | 15 | Malaysian driving discomfort caused by car seat survey | Dian Darina Indah Daruis, Baba MdDeros and JailaniMohd Noor (2007) Proceedings of International Conference on Ergonomics, KL 3-5 December 2007 |
| 6 | Postural Angle Measurement: Manual vs. Picture Recognition Software  | DarlianaMohamad, Baba MdDeros, Ahmad Rasdan Ismail, **Dian Darina Indah Daruis** and SlametRiyadi. 2009. ErgoSYM2009, Perlis | 16 | An Integrated Model of Static and Dynamic Measurement for Seat Discomfort.  | Daruis, D.D.I, Deros, B.M., Nor, M.J.M. and HosseiniFouladi, M. 2010. APIEMS2010 Melaka. |
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|  | **En Norwazan Abdul Rahim** |  | **Brig General Prof Madya Dr Shohaimi Abdullah** |
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| 2 | ’Experimental of Performance Test of Cooking Oil as Biodiesel on Compression Ignition Engine (CI)’, | **A.R. Norwazan** and M.S.Abd Rahim, International Conference on Mechanical and Aerospace Engineering 2011 (ICMAE 2011). | 2 |  ‘Defence Industry Development Among the Developing Countries’  | *Shohaimi Abdullah*. Seminar on Defence Industry Capability organized by Defense Industry Division, Ministry of Defense’, Malaysia. Dec 2003 |
| 3 | “Study the effect of aerodynamics of sedan car using wind tunnel test”,  | **A.R. Norwazan**, A.J. Khalid and O.Nadia, International Conference on Science and Technology Education (ICSTIE 2010). | 3 | ‘The Malaysian Army Contribution to the Malaysian Defence Industry’,  | *Shohaimi Abdullah,*Defence Industry Development Seminar, Defence Service Asia (DSA) 24th to 27th Apr 2006. |
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|  | **Mr Leong Kin Yuen** | 6 | ‘Methodology for Predicting Segmented Projectile Trajectory’,  | *Joanna Szmelter, Shohaimi Abdullah* ;Proceedings of the 49th Conference of the Aeroballistics Range Association, The Hague, Netherland, 5th to 9th Oct 1998. |
| 1 | Preliminary investigation on crash impact to Nuri pilot seat | A.J.Khalid, **K.Y.Leong**, A.G.Balamurugan and M.N.SulaimanBulletin Colloquium JabatanKejuruteraanMekanikal, FakultiKejuruteraan UPNM, 29-6-2010, Pusat Marin, UPNM (ISSN: 2180-4133)Proceeding Colloquium, JabatanKejuruteraanMekanikal, FakultiKejuruteraan UPNM, 29-6-2010, Pusat Marin, UPNM. (ISBN: 978-967-5985-08-9) | 7 | ‘Estimation of Component Relative Motion in Segmented Rods’,  | *J. Szmelter and S. Abdullah*;Proceedings of the 18th International Symposium on Ballistics, San Antonio, Texas USA, (pages 182-189) 15th to 19th Nov 1999. |

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| 2 | Effect of Quasi-Static and Cyclic Loading on Structural Durability of Quad Flat No Lead (QFN) Package.  | M.F. M. Yunoh, **S. Abdullah**, A. Jalar& M.F. Abdullah. 2010. *Regional EngineeringPostgraduateConference (EPC)* | 9 | Oxidation Effect of Leadframe C194 on QFN Package,  | **MohamadFaizal Abdullah**, Shahrum Abdullah & Ahmad Kamal AriffinIhsan, 2007, “*Proceedings of Regional Conf. on Engineering Mathematics, Mechanics, Manufacturing & Architecture (EM3ARC) 2007, 27-28 November 2007, Putrajaya.”* PP. 179-186 |
| 3 | Signal Analysis in Durability Test for Microlectronic Packaging Application.  | M. F. M Yunoh, **S. Abdullah**, M. F. Abdullah, A. Jalar. 2009. *Seminar on Mathematics Engineering (EMaS2009)*, 23 – 25th November 2009, Port Dickson, Negeri Sembilan, Malaysia. pp. 251-257 | 10 | Leadframe QFN stacked-die analysis using thermo-mechanical approach,  | **MohamadFaizal Abdullah**, Shahrum Abdullah, Ahmad Kamal Arifin and AzmanJalar, 2007, “*Proceedings of the World Engineering Congress (WEC) 2007 – Mechanical and Aerospace Engineering, Penang, Malaysia, 5-9 August 2007*”. PP. 43-50 |
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| 5 | A study of oxidized leadframe for QFN package on the cyclic test variable temperature effect,  | **M.F.Abdullah**, S.Abdullah, A.K.Ariffin&Z.A.Aziz, 2008, “*Proceedings of Int. Conf. on Mechanical and Manufacturing Engineering 2008, 21-23 May 2008, Johor Bahru.*” PP. 1-7 | 12 | Comparison in between Good and Oxidized Leadframe of a QFN Package on the Delamination,  | **M.F.Abdullah**, S.Abdullah, A.K.Ariffin, M.N.Baharin&Z.A.Aziz, 2008, “*Proceedings of 2nd National Seminar on Advance Semiconductor Packaging (NASPAC) 2008, 18-19 March 2008, Putrajaya.*” PP. 98-102 |
| 6 | A Study of Wire Looping Formation to Improve Ball Neck Strength of Wire Bonding Process,  | Z. A. Aziz, I. Ahmad, S. Abdullah &**M. F. Abdullah**, 2008, “*Proceedings of Int. Conf. on Mechanical and Manufacturing Engineering 2008, 21-23 May 2008, Johor Bahru.*” PP.1-6 | 13 | Effects of Looping Formation on Wire Sweep in QFN Stacked Die Packages,  | ZurlindaAsma Aziz, Shahrum Abdullah, Ibrahim Ahmad and **Mohd. Faizal Abdullah**, 2008, “*Proceedings of 2nd National Seminar on Advance Semiconductor Packaging (NASPAC) 2008, 18-19 March 2008, Putrajaya.*” PP. 25-28 |
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| 15 | AnalisisTerma-MekanikPadaSubstrikCipTanpa Kaki (QFN),  | **MohamadFaizal Abdullah**, Shahrum Abdullah & Ahmad Kamal AriffinIhsan, 2007, “*Postgraduate Seminar Faculty of Engineering, (ESSET) Bangi, 29th& 30th August 2007.”* PP. 236-241 |  | **Mr Tan Ken Sheang** |
| 16 | Stacked Die Leadframe Analysis Using Thermo-Mechanical Approach,  | **M. F. Abdullah**, S. Abdullah, A. K. Ariffin, S. Yusof, R. Daud& Z. A. Aziz, 2007, “*Proceedings of 1st National Seminar on Advance Semiconductor Packaging (NASPAC) 2007, 7-8th June 2007, Kuala Terengganu, Terengganu.”* PP 111-118 | 3 | Drop Weight Testing Rig Analysis and Design Part I: Mechanical Installation | F.M. Shuaeib, **K.S. Tan**, S.V. Wong, A.M.S. Hamouda, M.M.H. Megat Ahmad, R.S. Radin Umar*Proc. 2nd World Engineering Congress*, Manufacturing Engineering, Automation & Robotics, Kuching, Sarawak, Malaysia, 22-25 Jul, 2002, 308-313. |
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|  | **Mr Tan Ken Sheang** | 7 | Development of Empirical Model for the Impact of Motorcycle Front Wheel-tyre Assembly | **K.S.Tan**Seminar on Mechanical and Manufacturing Engineering, 28 Nov, 2005, Universiti Putra Malaysia. |
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| 2 | Laboratory and Vehicular Testing for Tyre Performance and Safety Evaluations | **K.S. Tan**, F.M. Shuaeib, S.V. Wong, A.M.S. Hamouda, R.S. Radin Umar*Proc. 2nd World Engineering Congress*, Mechanical & Aerospace Engineering, Kuching, Sarawak, Malaysia, 22-25 Jul, 2002, 171-176. | 9 | Design of Motorcyclist-Friendly Guardrail Using Finite Element Analysis | **K.S. Tan**, Tan Willy, S.V. Wong*Int. Crashworthiness Conf.*, July 4-7, 2006, Athens, Greece. |

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|  | **Mr Tan Ken Sheang** | 4. | Integration of Lean and Environmental Management System in Improving Organizational Efficiency.  | MMH. Megat Ahmad, A.P. Puvanasvaran, Robert S.T. Kerk, D. Dian Darina Indah, **KH Kamarudin, A. Shohaimi** ; Mechanical Engineering Colloquium, June, Kuala Lumpur. |
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| 11 | Experimental Analysis on Static and Impact Response of Motorcycle Front Fork | C.L.Tan, **K.S.Tan**, Y.T. Lim, S.V. Wong*Int. Crashworthiness Conf.*, July 22-25, 2008, Kyoto, Japan. | 1 | **MuhamadMurrad** and Mohd Salman Leong, “Field Application of Condition Monitoring for Reliability Information of Critical Military Equipments” | Proceedings of Malaysia-Japan International Symposium on Advanced Technology 2007, 12-15th November 2007, Hotel Seri Pacific, Kuala Lumpur. |
| 12 | Two-wheeler Inertia Measurement Rig | **Tan, K.S.**Proceedings of Seminar on Applied Mechanics, Malaysian Institute of Road Safety Research, 26 Mar, 2009, MIROS. | 2 | **MuhamadMurrad** and Mohd Salman Leong, “Application of Vibration and Oil Analysis for Reliability Information of Helicopter Main Rotor Gearbox” | Proceedings of 12th Asia Pacific Vibration Conference, 6-9th August 2007, Hokkaido University, Sapporo, Japan. |
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| 1 | Study on influence of coir fiber length as a composites reinforcement for sound absorption application,  | A.M.AhmadZaidi, N. Saharuddin,B.AnamalaiGurunathan, **K.H.Kamarudin** (2011), Mechanical Engineering Colloquium, June, Kuala Lumpur. |  | **Mejar Nurulhasnan Abd Majid** |
| 2 | Numerical simulation study on axial collapse of foam filled cylindrical tube subjected to dynamic loading | A.M.AhmadZaidi, W.M.A.WanMohdAzam, G.Manar, **K.H.Kamarudin** (2011), , Mechanical Engineering Colloquium, June, Kuala Lumpur. | 1 | Practical Reliability Analysis for Nuri Helicopter Maintenance Data | Muhammad,M and Nurulhasnan, A.M; Proceedings of the Faculty of Engineering Colluqium 2011, Mines Wellness Hotel Kuala Lumpur, 15 June 2011 |
| 3 | Numerical Simulation Study On Lateral Collapse Of Kenaf Foam Composite Filled In Hollow Cylindrical Tube Subjected To Quasi-Static Loading.  | Ahmad Mujahid Ahmad Zaidi, **KH Kamarudin**, MohdSukrieRamli, BaizuraBohari, ZalehaMohamad and Ahmad Faris Abdul Razak (2011) ; Mechanical Engineering Colloquium, June, Kuala Lumpur. | 2 |  An Eulerian Description Scheme for Lattice Boltzmann equation | Rodzimin , A.R,Rahim, M.S.A, Nurulhasnan, A.M, Humaizi, H.A and Azwadi C.S.N.; proceedings of the Mechanical Engineering Colluqium 1/2010, Faculty of Engineering, UPNM, Kuala Lumpur, 30th-2nd December 2010 |

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|  | **Prof Madya Dr Ahmad Mujahid** |  | **Prof Madya Dr Ahmad Mujahid** |
|  | Real-Time Communication Between Personal Computer And Programmable Logic Controller For Networked Control System Based On Industrial Ethernet,  | H.AliMunir, N. Saad, S.A.A. Syed Junid, **A.M.AhmadZaidi**, M.Z.Yusoff and A.Jaffar (2010), International Conference on Computer Applications & Industrial Electronics (ICCAIE 2010), December, Kuala Lumpur, Malaysia. | 7 | Structural Energy Absorption Characteristics: A Review, International Conference In Mechanical and Manufacturing Engineering 2011, June, PICC, Putrajaya, Malaysia. | S.K.Subramaniyan, S.Mazhan, M.I.Ghazali and **A.M.AhmadZaidi**(2011), Conference In Mechanical and Manufacturing Engineering 2011, June, PICC, Putrajaya, Malaysia. |
| 2 | Comparison Between Two Types Of Computer For Industrial Ethernet Performance | H.AliMunir, N. Saad, S.A.A. Syed Junid, **A.M.AhmadZaidi**and M.K. Baharin (2010), , International Conference on Mechanical and Aerospace Engineering, December, Kuala Lumpur, Malaysia. | 8 | Prediction of missiles trajectory in mesh-less structures,  | A.M.AhmadZaidi (2011), Engineering Colloquium 2011, June, Seri Kembangan, Malaysia (Keynote Speaker). |
| 3 | Data Transfer Rate, Central Processing Unit Usage and Read Access Memory Usage in Networked Control System via Industrial Ethernet,  | H.AliMunir, N. Saad, S.A.A. Syed Junid, **A.M.AhmadZaidi**, M.Z.Yusoff and A.Ponniran (2010), The 2010 IEEE International Conference on Power and Energy (PECon 2010), November, Selangor, Malaysia. |  | **Mr Gunasilan A/L Manar** |
| 4 | Experimental Study on Lateral Collapse of Kenaf Foam Filled in Circular Tube,  | Z. Mohamad, **A.M. Ahmad Zaidi** and A.R. Talib (2010), 3rd International Conference on Solid State Science & Technology, December, Kuching, Sarawak, Malaysia. | 1 | Numerical Simulation on axial collapse of foam filled cylindrical tube subjected to dynamic loading | A.M.AhmadZaidi (2011),Wan MohdAsyraf bin Wan MohdAzam, GunasilanManar, KhairulHasniKAmarudin, Engineering Colloquium 2011, June, Seri Kembangan, Malaysia |
| 5 | Possibility of Lime as a Stabilizer in Compressed Earth Brick (CEB),  | I.AbdulRahman, FetraVennyRiza and **A.M.AhmadZaidi** (2011), International Conference on Advanced Science, Engineering and Information Technology, January, Equatorial Hotel Bangi, Selangor, Malaysia. |  | **En Mohd Rosdzimin bin Abdul Rahman** |
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|  |  |  | 2 |  “Mixed Convection in a 2-D Enclosure with Sinusoidal Side Wall Temperature”,  | **A. R. M. Rosdzimin**,N. A. C. Sidik,*The 19th International Conference on the Discrete Simulation of Fluid Dynamics (DSFD 2010)*, 5th July 2010, Rome, Italy. |

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