

Record 1 of 218**Title:** Tribological behavioural of bio-oil extracted from peel waste of musa aluminata balbisiana**Author(s):** Hamid, HA (Hamid, H. A.); Masripan, NAB (Masripan, N. A. B.); Hasan, R (Hasan, R.); Omar, G (Omar, G.); Abdollah, MFB (Abdollah, M. F. B.)**Edited by:** BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H**Source:** PROCEEDINGS OF MECHANICAL ENGINEERING RESEARCH DAY 2017 (MERD) **Pages:** 1-2 **Published:** 2017**Accession Number:** WOS:000406738200001**Conference Title:** 4th Mechanical Engineering Research Day (MERD)**Conference Date:** MAR 30, 2017**Conference Location:** Univ Teknikal Malaysia Melaka, Melaka, MALAYSIA**Conference Sponsors:** Ctr Adv Res Energy, Fac Mech Engn, Ctr Technopreneurship Dev**Conference Host:** Univ Teknikal Malaysia Melaka**ISBN:** 978-967-0257-88-4**Record 2 of 218****Title:** Pre-charge pressure effects on isothermal and adiabatic energy storage capacity for dual hybrid hydro-pneumatic passenger car driveline**Author(s):** Wasbari, F (Wasbari, F.); Bakar, RA (Bakar, R. A.); Gan, LM (Gan, L. M.); Tahir, MM (Tahir, M. M.); Yusof, AA (Yusof, A. A.)**Edited by:** BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H**Source:** PROCEEDINGS OF MECHANICAL ENGINEERING RESEARCH DAY 2017 (MERD) **Pages:** 3-4 **Published:** 2017**Accession Number:** WOS:000406738200002**Conference Title:** 4th Mechanical Engineering Research Day (MERD)**Conference Date:** MAR 30, 2017**Conference Location:** Univ Teknikal Malaysia Melaka, Melaka, MALAYSIA**Conference Sponsors:** Ctr Adv Res Energy, Fac Mech Engn, Ctr Technopreneurship Dev**Conference Host:** Univ Teknikal Malaysia Melaka**ISBN:** 978-967-0257-88-4**Record 3 of 218****Title:** Influence of Iron Oxide on the mechanical and tribological behaviors of brake friction materials**Author(s):** Talib, RJ (Talib, R. J.); Selamat, MA (Selamat, M. A.); Basri, MH (Basri, M. Hisyam); Hyie, KM (Hyie, Koay Mei); Ismail, NI (Ismail, N. I.)**Edited by:** BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H**Source:** PROCEEDINGS OF MECHANICAL ENGINEERING RESEARCH DAY 2017 (MERD) **Pages:** 5-6 **Published:** 2017**Accession Number:** WOS:000406738200003**Conference Title:** 4th Mechanical Engineering Research Day (MERD)**Conference Date:** MAR 30, 2017**Conference Location:** Univ Teknikal Malaysia Melaka, Melaka, MALAYSIA**Conference Sponsors:** Ctr Adv Res Energy, Fac Mech Engn, Ctr Technopreneurship Dev**Conference Host:** Univ Teknikal Malaysia Melaka**ISBN:** 978-967-0257-88-4**Record 4 of 218****Title:** Friction and wear behaviors of different graphite vol. % in brake friction material composition**Author(s):** Talib, RJ (Talib, R. J.); Ismail, NI (Ismail, N. I.); Basri, MH (Basri, M. Hisyam); Ramlan, K (Ramlan, K.); Eliasidi, AO (Eliasidi, A. O.)**Edited by:** BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H**Source:** PROCEEDINGS OF MECHANICAL ENGINEERING RESEARCH DAY 2017 (MERD) **Pages:** 7-8 **Published:** 2017**Accession Number:** WOS:000406738200004**Conference Title:** 4th Mechanical Engineering Research Day (MERD)**Conference Date:** MAR 30, 2017**Conference Location:** Univ Teknikal Malaysia Melaka, Melaka, MALAYSIA**Conference Sponsors:** Ctr Adv Res Energy, Fac Mech Engn, Ctr Technopreneurship Dev**Conference Host:** Univ Teknikal Malaysia Melaka**ISBN:** 978-967-0257-88-4**Record 5 of 218****Title:** Effect of leading edge (LE) tubercles on side mirror performance**Author(s):** Yusoff, H (Yusoff, H.); Suhaimi, S (Suhaimi, S.); Farhan, A (Farhan, A.); Isawdi, N (Isawdi, N.); Ibrahim, D (Ibrahim, D.); Imron, A (Imron, A.)**Edited by:** BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H**Source:** PROCEEDINGS OF MECHANICAL ENGINEERING RESEARCH DAY 2017 (MERD) **Pages:** 9-10 **Published:** 2017**Accession Number:** WOS:000406738200005**Conference Title:** 4th Mechanical Engineering Research Day (MERD)**Conference Date:** MAR 30, 2017**Conference Location:** Univ Teknikal Malaysia Melaka, Melaka, MALAYSIA**Conference Sponsors:** Ctr Adv Res Energy, Fac Mech Engn, Ctr Technopreneurship Dev**Conference Host:** Univ Teknikal Malaysia Melaka**ISBN:** 978-967-0257-88-4**Record 6 of 218****Title:** Utilizing model-based calibration approach for engine torque PI controller optimization**Author(s):** Arishad, NIM (Arishad, N. I. Mat); Zain, MZM (Zain, M. Z. Md); Said, MFM (Said, M. F. Muhamad)**Edited by:** BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H**Source:** PROCEEDINGS OF MECHANICAL ENGINEERING RESEARCH DAY 2017 (MERD) **Pages:** 11-12 **Published:** 2017**Accession Number:** WOS:000406738200006**Conference Title:** 4th Mechanical Engineering Research Day (MERD)**Conference Date:** MAR 30, 2017

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Record 7 of 218

Title: The control scheme of vehicle steer by wire system by using PD-PID controller
Author(s): Tumari, MZM (Tumari, M. Z. M.); Nasir, MAM (Nasir, M. A. M.); Saecalal, MS (Saecalal, M. S.); Aziz, AWA (Aziz, A. W. A.); Saat, S (Saat, S.); Suid, MH (Suid, M. H.); Ghazali, MR (Ghazali, M. R.)
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Record 8 of 218

Title: Effect of virgin coconut oil, VCO as transmission lube oil based substitute on the friction properties
Author(s): Sukery, NMBM (Sukery, N. M. B. M.); Abdullah, MIHC (Abdullah, M. I. H. C.); Ahmad, A (Ahmad, A.); Abdollah, MFB (Abdollah, M. F. B.); Nuri, NRM (Nuri, N. R. M.)
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Record 9 of 218

Title: The lift performances of paper planes
Author(s): Ismail, NI (Ismail, N. I.); Talib, RJ (Talib, R. J.); Basri, MH (Basri, M. Hisyam); Zulkifli, AH (Zulkifli, A. H.); Ali, ZM (Ali, Z. M.)
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Record 10 of 218

Title: The drag performances of paper planes
Author(s): Ismail, NI (Ismail, N. I.); Talib, RJ (Talib, R. J.); Basri, MH (Basri, M. Hisyam); Zulkifli, AH (Zulkifli, A. H.); Abdullah, AS (Abdullah, A. S.); Yusoff, H (Yusoff, H.)
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Record 11 of 218

Title: The ideal brake force control for underbone motorcycle
Author(s): Basri, MH (Basri, M. Hisyam); Zulkifli, AH (Zulkifli, A. H.); Talib, RJ (Talib, R. J.); Anuar, MAM (Anuar, M. A. M.); Ismail, NI (Ismail, N. I.)
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ISBN: 978-967-0257-88-4

Record 12 of 218

Title: Investigation on transverse behavior in automotive suspension system using numerical approach
Author(s): Norazni, NSA (Norazni, N. S. A.); Salim, MA (Salim, M. A.); Saad, AM (Saad, A. Md.); Munir, FA (Munir, F. A.); Akop, MZ (Akop, M. Z.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Record 13 of 218

Title: Force line improvement analysis of a coil spring in macpherson strut using Altair Hyperworks
Author(s): Lee, CW (Lee, C. W.); Sulaiman, SN (Sulaiman, S. N.); Rahman, MHA (Rahman, M. H. Abdul); Damanhuri, AAM (Damanhuri, A. A. M.)
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Record 14 of 218

Title: Spot welding quality evaluation of reworked galvanized metal sheet with high strength steel (HSS)
Author(s): Fadhilah, MH (Fadhilah, Mohd Harris); Safwa, N (Safwa, Najiyah); Ridzuan, MS (Ridzuan, Mohd Saiful)
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Record 15 of 218

Title: Investigation on hBN Nanoparticle dispersion stability in liquid phase with difference dispersion agents
Author(s): Nawī, AAEM (Nawī, A. A. E. M.); Abdullah, MIHC (Abdullah, M. I. H. C.); Abdollah, MFB (Abdollah, M. F. B.); Nuri, NRM (Nuri, N. R. M.); Samsudin, MA (Samsudin, M. A.)
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Record 16 of 218

Title: Predication of engine performance for different cam profile by using GT-power simulation
Author(s): Shahrīman, AB (Shahrīman, A. B.); Syafiq, AKM (Syafiq, A. K. Mohamad); Hashim, MSM (Hashim, M. S. M.); Razlan, ZM (Razlan, Zuradzman M.); Khairunizam, W (Khairunizam, W.); Hazry, D (Hazry, D.); Afendi, M (Afendi, M.); Daud, R (Daud, R.); Rahman, MTA (Rahman, M. Tasyrif Abdul)
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Record 17 of 218

Title: Optimizing the emission effects of continuous hydrogen injection on diesel engine intake using Taguchi method
Author(s): Norani, MNM (Norani, M. N. M.); Tee, BT (Tee, B. T.); Zulfattah, ZM (Zulfattah, Z. M.); Mansor, MN (Mansor, M. N.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Record 18 of 218

Title: Anti-roll suspension system using parallel type PID

Author(s): Jamil, FM (Jamil, Fathiah Mohamed); Abdullah, MA (Abdullah, Mohd Azman); Ridzuan, MR (Ridzuan, Mohd Rasyidi); Ibrahim, M (Ibrahim, Munaliza); Ahmad, F (Ahmad, Fauzi)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Title: Bodywork design and analysis of FV Malaysia race car

Author(s): Abdullah, MA (Abdullah, Mohd Azman); Nasirin, N (Nasirin, Naquiddin); Hassan, MZ (Hassan, Muhammad Zahir); Kudus, SIA (Kudus, Syahibudil Ikhwan Abdul)

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ISBN: 978-967-0257-88-4

Record 20 of 218

Title: Effect of temperature on friction of bio-lubricant under high loading capacity

Author(s): Zulhilmi, AR (Zulhilmi, A. R.); Masripan, NAB (Masripan, N. A. B.); Hayder, SOAN (Hayder, S. O. A. N.); Abdollah, MFB (Abdollah, M. F. B.); Omar, G (Omar, G.); Syakir, MI (Syakir, M. I.); Nurfaizcy, AH (Nurfaizcy, A. H.); Fadzullah, SHSM (Fadzullah, S. H. S. M.)

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Record 21 of 218

Title: Experimental investigation on the relationship between current and alternator temperature and battery voltage

Author(s): Mazlan, RK (Mazlan, R. K.); Dan, RM (Dan, R. M.); Putra, A (Putra, A.); Zakaria, MZ (Zakaria, M. Z.); Hamid, AHA (Hamid, A. H. A.)

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Record 22 of 218

Title: Commercial vehicle anti-rollover suspension system

Author(s): Ibrahim, M (Ibrahim, Munaliza); Abdullah, MA (Abdullah, Mohd Azman); Jamil, FM (Jamil, Fathiah Mohamed); Ahmad, F (Ahmad, Fauzi)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Record 23 of 218

Title: Drag and lift evaluation on redesigned front area of 1990's land rover defender

Author(s): Lubis, AMHS (Lubis, A. M. H. S.); Rosley, MIF (Rosley, M. I. F.); Razak, MSA (Razak, M. S. A.); Damanhuri, AAM (Damanhuri, A. A. M.); Amin, ANM (Amin, A. N. M.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Title: Development of 3-cylinder composite engine: Analysis on strength and fuel efficiency

Author(s): Tamaldin, N (Tamaldin, N.); Ruslan, SR (Ruslan, S. R.); Yamin, AKM (Yamin, A. K. Mat); Saad, AM (Saad, A. Md); Abdollah, MFB (Abdollah, M. F. B.)

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Title: New approach of desinging breaking system for electric vehicle using artificial intelligence

Author(s): Tamaldin, N (Tamaldin, N.); Saifuddin, M (Saifuddin, M.); Yamin, AKM (Yamin, A. K. Mat); Omar, G (Omar, G.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Title: The structure of the pressure field in the contact area

Author(s): Deeva, VS (Deeva, V. S.); Slobodyan, SM (Slobodyan, S. M.); Vashchuk, SP (Vashchuk, S. P.); Voronina, NA (Voronina, N. A.)

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Record 27 of 218

Title: Modelling and control of underwater remotely operated vehicle (ROV) for depth control using system identification

Author(s): Azmi, MWN (Azmi, M. W. Nor); Aras, MSM (Aras, M. S. Mohd); Harun, MH (Harun, M. H.)

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Record 28 of 218

Title: Numerical simulation of defogging on automotive windshield

Author(s): Azman, F (Azman, F.); Munir, FA (Munir, F. A.); Salim, MA (Salim, M. A.)

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Record 29 of 218

Title: A predictive model of corrosion pit geometry of steel in aqueous sodium chloride solution

Author(s): Salleh, S (Salleh, Suhaila)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Title: The introductory of dimple to the Ahmed body top surface as a drag reduction device
Author(s): Latif, MFA (Latif, M. F. Abdul); Zain, MNM (Zain, M. N. M.); Azhari, MA (Azhari, M. Azwar)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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ISBN: 978-967-0257-88-4

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Title: Analytical modelling of protective headgear for soccer players
Author(s): Hassan, MHA (Hassan, Mohd Hasnun Arif); Taha, Z (Taha, Zahari)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
ISBN: 978-967-0257-88-4

Record 32 of 218

Title: Numerical simulation of mechanical heart valve with coherent vortex shedding in OpenFOAM
Author(s): Zakaria, MS (Zakaria, M. S.); Ismail, F (Ismail, F.); Wiriadidjaja, S (Wiriadidjaja, S.); Aziz, MFA (Aziz, M. F. A.); Tamagawa, M (Tamagawa, M.); Basri, AA (Basri, A. A.); Ahmad, KA (Ahmad, K. A.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
ISBN: 978-967-0257-88-4

Record 33 of 218

Title: Numerical investigation of turbulence in oscillatory flow found in thermoacoustics
Author(s): Mustaffa, SHA (Mustaffa, S. H. A.); Saat, FAZM (Saat, F. A. Z. Mohd); Tokit, EM (Tokit, E. Mat)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
ISBN: 978-967-0257-88-4

Record 34 of 218

Title: Lighting simulation for energy analysis in laboratory building
Author(s): Ali, AN (Ali, A. N.); Tee, BT (Tee, B. T.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
ISBN: 978-967-0257-88-4

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Title: Simulation of ball-grid-array package during board-level drop test
Author(s): Yamin, AFM (Yamin, A. F. M.); Sufian, AA (Sufian, A. A.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Record 36 of 218

Title: Formulating an algorithm to detect readability level of malay texts
Author(s): Hazawawi, NAM (Hazawawi, N. A. M.); Zakarian, MH (Zakarian, M. H.); Hisham, S (Hisham, S.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
ISBN: 978-967-0257-88-4

Record 37 of 218

Title: Design optimization of die casting motorcycle pressure plate through casting simulation
Author(s): Kamal, MRM (Kamal, M. R. M.); Mustafa, NAM (Mustafa, N. A. M.); Bazilah, NF (Bazilah, N. F.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
ISBN: 978-967-0257-88-4

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Title: Interfacing STEP-NC tool path to open-architecture PC-based NC milling
Author(s): Ibrahim, D (Ibrahim, D.); Samad, Z (Samad, Z.); Yaakob, Y (Yaakob, Y.); Yusoff, H (Yusoff, H.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Title: Structural integrity of aluminium alloy 7075-T6 fuselage frame during crash event
Author(s): Abdullah, AS (Abdullah, A. S.); Yamin, AFM (Yamin, A. F. M.); Ghafar, H (Ghafar, H.); Halidi, SNAM (Halidi, S. N. A. M.); Pahmi, MAA (Pahmi, M. A. Ab Hamid); Ismail, NI (Ismail, N. I.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Title: Performance analysis of 19nm n-channel MOSFET device with different high-k dielectric materials
Author(s): Lokman, S (Lokman, S.); Salehuddin, F (Salehuddin, F.); Mohamad, NR (Mohamad, N. R.); Kaharudin, KE (Kaharudin, K. E.); Sabki, NFM (Sabki, N. F. Mohd); Zain, ASM (Zain, A. S. M.)
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Conference Host: Univ Teknikal Malaysia Melaka
ISBN: 978-967-0257-88-4

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Title: Investigating effects of rim and web thickness on root stress of thin-rimmed spur gear with symmetric web arrangement
Author(s): Aziz, IAA (Aziz, I. A. Abdul); Hanafi, SRM (Hanafi, S. R. Mohd); Idris, DMZD (Idris, D. M. Z. Daing); Rejab, MRM (Rejab, M. R. Mat); Hassan, MHA

(Hassan, M. H. A.); Basrawi, MF (Basrawi, M. F.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Conference Host: Univ Teknikal Malaysia Melaka

ISBN: 978-967-0257-88-4

Record 42 of 218

Title: Numerical simulation of airflow in diseased human nasal airway

Author(s): Riazuddin, VN (Riazuddin, V. N.); Ahmad, KA (Ahmad, K. A.); Tamagawa, M (Tamagawa, M.); Zubair, M (Zubair, M.); Rashid, NA (Rashid, N. Abdul); Mazlan, N (Mazlan, N.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Conference Host: Univ Teknikal Malaysia Melaka

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Record 43 of 218

Title: DC offset leads to saturation of right leg drive output

Author(s): Fu, Z (Fu, Zinvi); Hashim, AYB (Hashim, A. Y. Barn); Jamaludin, Z (Jamaludin, Z.); Mohamad, IS (Mohamad, I. S.); Norazlin, N (Norazlin, N.)

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Title: Fuzzy analytic hierarchy process (FAHP) for better selection during implementation of design for remanufacturing

Author(s): Noor, AZM (Noor, Ahamad Zaki Mohamed); Fauadi, MHFM (Fauadi, Muhammad Hafidz Fazli Md); Jafar, FA (Jafar, Fairul Azni)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Conference Host: Univ Teknikal Malaysia Melaka

ISBN: 978-967-0257-88-4

Record 45 of 218

Title: Modeling and PID controller design using optimization technique for pneumatic system

Author(s): Osman, K (Osman, Khairuddin); Faujan, MF (Faujan, Muhammad Fahmi); Abd Rahman, A (Abd Rahman, Azira); Sulaiman, SF (Sulaiman, Siti Fatimah)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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ISBN: 978-967-0257-88-4

Record 46 of 218

Title: Electromyography signals analysis using wavelet transform approach for resistance band rehabilitation

Author(s): Burhan, N (Burhan, N.); Ghazali, R (Ghazali, R.); Kasno, MA (Kasno, M. A.); Jali, MH (jali, M. H.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Record 47 of 218**Title:** Nondestructive evaluation and optimization of composite material CFRP/GFRP layup**Author(s):** Zahir, NAAM (Zahir, N. A. A. Md); Daud, MAM (Daud, M. A. M.); Ab Ghani, AF (Ab Ghani, A. F.)**Edited by:** BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H**Source:** PROCEEDINGS OF MECHANICAL ENGINEERING RESEARCH DAY 2017 (MERD) **Pages:** 101-102 **Published:** 2017**Accession Number:** WOS:000406738200047**Conference Title:** 4th Mechanical Engineering Research Day (MERD)**Conference Date:** MAR 30, 2017**Conference Location:** Univ Teknikal Malaysia Melaka, Melaka, MALAYSIA**Conference Sponsors:** Ctr Adv Res Energy, Fac Mech Engn, Ctr Technopreneurship Dev**Conference Host:** Univ Teknikal Malaysia Melaka**ISBN:** 978-967-0257-88-4**Record 48 of 218****Title:** Determination of the optimal workspace and manufacturing throughput time for configuring robot work cell**Author(s):** Osman, NS (Osman, N. S.); Rahman, MAA (Rahman, M. A. A.); Rahman, AAA (Rahman, A. A. Abdul); Kamsani, SH (Kamsani, S. H.); Mohamad, BMB (Mohamad, B. M. B.)**Edited by:** BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H**Source:** PROCEEDINGS OF MECHANICAL ENGINEERING RESEARCH DAY 2017 (MERD) **Pages:** 103-104 **Published:** 2017**Accession Number:** WOS:000406738200048**Conference Title:** 4th Mechanical Engineering Research Day (MERD)**Conference Date:** MAR 30, 2017**Conference Location:** Univ Teknikal Malaysia Melaka, Melaka, MALAYSIA**Conference Sponsors:** Ctr Adv Res Energy, Fac Mech Engn, Ctr Technopreneurship Dev**Conference Host:** Univ Teknikal Malaysia Melaka**ISBN:** 978-967-0257-88-4**Record 49 of 218****Title:** Optimization of drilling parameters in diameter accuracy on dry drilling process of AISI D2 tool steel**Author(s):** Osman, MH (Osman, M. H.); Hadzley, M (Hadzley, M.); Tamin, NF (Tamin, N. F.); Mohamad, NJ (Mohamad, N. J.); Wahid, MK (Wahid, M. K.); Ahmad, MN (Ahmad, M. N.); Maidin, NA (Maidin, N. A.); Ab Rahman, MH (Ab Rahman, M. H.)**Edited by:** BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H**Source:** PROCEEDINGS OF MECHANICAL ENGINEERING RESEARCH DAY 2017 (MERD) **Pages:** 105-106 **Published:** 2017**Accession Number:** WOS:000406738200049**Conference Title:** 4th Mechanical Engineering Research Day (MERD)**Conference Date:** MAR 30, 2017**Conference Location:** Univ Teknikal Malaysia Melaka, Melaka, MALAYSIA**Conference Sponsors:** Ctr Adv Res Energy, Fac Mech Engn, Ctr Technopreneurship Dev**Conference Host:** Univ Teknikal Malaysia Melaka**ISBN:** 978-967-0257-88-4**Record 50 of 218****Title:** The correlation between S11 and S21 techniques measured in a network analyzer from 45MHz until 50GHz**Author(s):** Tan, MH (Tan, Ming Hui); Hashim, AYB (Hashim, Ahmad Yusairi Bani); Salleh, MR (Salleh, Mohd Rizal)**Edited by:** BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H**Source:** PROCEEDINGS OF MECHANICAL ENGINEERING RESEARCH DAY 2017 (MERD) **Pages:** 107-108 **Published:** 2017**Accession Number:** WOS:000406738200050**Conference Title:** 4th Mechanical Engineering Research Day (MERD)**Conference Date:** MAR 30, 2017**Conference Location:** Univ Teknikal Malaysia Melaka, Melaka, MALAYSIA**Conference Sponsors:** Ctr Adv Res Energy, Fac Mech Engn, Ctr Technopreneurship Dev**Conference Host:** Univ Teknikal Malaysia Melaka**ISBN:** 978-967-0257-88-4

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Record 51 of 218**Title:** Development of fixable rotation clamping method for milling machine**Author(s):** Ab Wahab, NB (Ab Wahab, N. B.); Rani, MHA (Rani, M. H. Abdul); Nordin, AK (Nordin, A. K.); Tamil, NF (Tamil, N. F.); Onni, AA (Onn, A. A.)**Edited by:** BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H**Source:** PROCEEDINGS OF MECHANICAL ENGINEERING RESEARCH DAY 2017 (MERD) **Pages:** 109-110 **Published:** 2017**Accession Number:** WOS:000406738200051**Conference Title:** 4th Mechanical Engineering Research Day (MERD)**Conference Date:** MAR 30, 2017**Conference Location:** Univ Teknikal Malaysia Melaka, Melaka, MALAYSIA**Conference Sponsors:** Ctr Adv Res Energy, Fac Mech Engn, Ctr Technopreneurship Dev**Conference Host:** Univ Teknikal Malaysia Melaka**ISBN:** 978-967-0257-88-4**Record 52 of 218****Title:** Earth tubes for assisting passive cooling in Masjid Sayyidina Abu Bakar, UTeM**Author(s):** Khalil, SN (Khalil, S. N.); Hamzah, NN (Hamzah, N. N.)**Edited by:** BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H**Source:** PROCEEDINGS OF MECHANICAL ENGINEERING RESEARCH DAY 2017 (MERD) **Pages:** 111-112 **Published:** 2017**Accession Number:** WOS:000406738200052**Conference Title:** 4th Mechanical Engineering Research Day (MERD)**Conference Date:** MAR 30, 2017**Conference Location:** Univ Teknikal Malaysia Melaka, Melaka, MALAYSIA**Conference Sponsors:** Ctr Adv Res Energy, Fac Mech Engn, Ctr Technopreneurship Dev**Conference Host:** Univ Teknikal Malaysia Melaka**ISBN:** 978-967-0257-88-4**Record 53 of 218****Title:** Geometrical shrinkage comparison between gate direction and transverse direction of plastic part in plastic injection molding**Author(s):** Amran, MAM (Amran, M. A. M.); Idayu, N (Idayu, N.); Sivarao, S (Sivarao, S.); Salleh, MS (Salleh, M. S.); Abdullah, Z (Abdullah, Z.)**Edited by:** BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H**Source:** PROCEEDINGS OF MECHANICAL ENGINEERING RESEARCH DAY 2017 (MERD) **Pages:** 113-114 **Published:** 2017**Accession Number:** WOS:000406738200053**Conference Title:** 4th Mechanical Engineering Research Day (MERD)**Conference Date:** MAR 30, 2017**Conference Location:** Univ Teknikal Malaysia Melaka, Melaka, MALAYSIA**Conference Sponsors:** Ctr Adv Res Energy, Fac Mech Engn, Ctr Technopreneurship Dev**Conference Host:** Univ Teknikal Malaysia Melaka**ISBN:** 978-967-0257-88-4**Record 54 of 218****Title:** Optimization of mixed-model assembly line balancing problem with resource constraints**Author(s):** Razali, MM (Razali, M. M.); Ab Rashid, MFF (Ab Rashid, M. F. F.); Make, MRA (Make, M. R. A.)**Edited by:** BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H**Source:** PROCEEDINGS OF MECHANICAL ENGINEERING RESEARCH DAY 2017 (MERD) **Pages:** 115-117 **Published:** 2017**Accession Number:** WOS:000406738200054**Conference Title:** 4th Mechanical Engineering Research Day (MERD)**Conference Date:** MAR 30, 2017**Conference Location:** Univ Teknikal Malaysia Melaka, Melaka, MALAYSIA**Conference Sponsors:** Ctr Adv Res Energy, Fac Mech Engn, Ctr Technopreneurship Dev**Conference Host:** Univ Teknikal Malaysia Melaka**ISBN:** 978-967-0257-88-4**Record 55 of 218****Title:** Design of high gain co-planar waveguide fed staircase shaped monopole antenna with modified ground plane for radio-frequency (RF) energy harvesting application**Author(s):** Masius, AA (Masius, Alphonos A.); Wong, YC (Wong, Yan Chiew)**Edited by:** BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H**Source:** PROCEEDINGS OF MECHANICAL ENGINEERING RESEARCH DAY 2017 (MERD) **Pages:** 118-119 **Published:** 2017**Accession Number:** WOS:000406738200055**Conference Title:** 4th Mechanical Engineering Research Day (MERD)**Conference Date:** MAR 30, 2017**Conference Location:** Univ Teknikal Malaysia Melaka, Melaka, MALAYSIA**Conference Sponsors:** Ctr Adv Res Energy, Fac Mech Engn, Ctr Technopreneurship Dev**Conference Host:** Univ Teknikal Malaysia Melaka**ISBN:** 978-967-0257-88-4**Record 56 of 218****Title:** Design of wide tuning CMOS voltage controlled ring oscillator for reconfigurability DC-DC converter**Author(s):** Kamel, MKM (Kamel, Mohamad Khairul Mohd); Wong, YC (Wong, Yan Chiew)**Edited by:** BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H**Source:** PROCEEDINGS OF MECHANICAL ENGINEERING RESEARCH DAY 2017 (MERD) **Pages:** 120-121 **Published:** 2017**Accession Number:** WOS:000406738200056**Conference Title:** 4th Mechanical Engineering Research Day (MERD)**Conference Date:** MAR 30, 2017

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Title: Evaluation of mechanical properties for open cellular structure 17-4 PH stainless steel alloy fabricated by selective laser melting process
Author(s): Hamidi, MFFA (Hamidi, M. F. F. A.); Harun, WSW (Harun, W. S. W.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Title: The effect of cutting parameters on tool wear in end milling of AISI D2 tool steel
Author(s): Luqman, NHJ (Luqman, N. H. J.); Shukor, SM (Shukor, S. Mohd); Hadzley, M (Hadzley, M.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Title: The effect of machining strategies on dimensional accuracy in flank milling for five-axis slanted thin-walled - aero structural component
Author(s): Sundi, SA (Sundi, S. A.); Jumali, MS (Jumali, M. S.); Razly, MRM (Razly, M. R. M.); Rob, MFA (Rob, M. F. A.); Izamshah, R (Izamshah, R.); Kasim, MS (Kasim, M. S.)
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Title: Design and analysis of foldable human-powered vehicle
Author(s): Abdullah, MA (Abdullah, Mohd Azman); Ahmad, MAF (Ahmad, Mohamad Alif Fayumi); Mat, S (Mat, Shafizal); Ramli, FR (Ramli, Faiz Redza)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
ISBN: 978-967-0257-88-4

Record 61 of 218

Title: Car seat design using RULA analysis
Author(s): Mat, S (Mat, S.); Abdullah, MA (Abdullah, M. A.); Dullah, AR (Dullah, A. R.); Shamsudin, SA (Shamsudin, S. A.); Hussin, MF (Hussin, M. F.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
ISBN: 978-967-0257-88-4

Record 62 of 218

Title: Automated sorting system design in manufacturing industries
Author(s): Mat, S (Mat, S.); Abdullah, MA (Abdullah, M. A.); Ramli, FR (Ramli, F. R.); Kudus, SIA (Kudus, S. I. Abdul); Aziz, AAA (Aziz, A. A. Abdul)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
ISBN: 978-967-0257-88-4

Record 63 of 218

Title: Flexible shield for impact resistant purpose: A conceptual design
Author(s): Firdaus, HMS (Firdaus, H. M. S.); Halyani, MY (Halyani, M. Y.); Abdullah, MIHC (Abdullah, M. I. H. C.); Rafi, OM (Rafi, O. M.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
ISBN: 978-967-0257-88-4

Record 64 of 218

Title: The analysis of design product preferences using curve fitted profiling
Author(s): Sihombing, H (Sihombing, H.); Hidayah, WN (Hidayah, W. N.); Shamsuddin, S (Shamsuddin, S.); Yuhazri, MY (Yuhazri, M. Y.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Record 65 of 218

Title: Optimization of process parameters variation on I-oN and V-TH in n-channel double gate FinFET device
Author(s): Norddin, NK (Norddin, N. K.); Salehuddin, F (Salehuddin, F.); Mohamad, NR (Mohamad, N. R.); Mansor, N (Mansor, Norhisham); Zain, ASM (Zain, A. S. M.); Kahamdin, KE (Kahamdin, K. E.); Maheran, AHA (Maheran, A. H. Afifah); Hanim, AR (Hanim, A. R.); Hazura, H (Hazura, H.); Idris, SK (Idris, S. K.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Record 66 of 218

Title: Reliability testing of inertial measurement units in the analysis of physiological variables in archery
Author(s): Taha, Z (Taha, Z.); Musa, RM (Musa, R. M.); Abdullah, MR (Abdullah, M. R.); Hassan, MHA (Hassan, M. H. A.); Razman, MAM (Razman, M. A. M.); Majeed, APPA (Majeed, A. P. P. Abdul)
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Record 67 of 218

Title: Wing design for blended-wing-body aircraft
Author(s): Yazik, MHM (Yazik, M. H. Mat); Sultan, MTH (Sultan, M. T. H.); Hamdan, A (Hamdan, A.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
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Record 68 of 218

Title: Improving manufacturing facilities design layout for a coffee production company
Author(s): Ibrahim, D (Ibrahim, D.); Hashim, SM (Hashim, S. M.); Yusof, AIS (Yusof, A. I. S.); Yaakob, Y (Yaakob, Y.); Hussin, N (Hussin, N.); Azahari, AA (Azahari, A.)

A.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H**Source:** PROCEEDINGS OF MECHANICAL ENGINEERING RESEARCH DAY 2017 (MERD) **Pages:** 144-145 **Published:** 2017**Accession Number:** WOS:000406738200068**Conference Title:** 4th Mechanical Engineering Research Day (MERD)**Conference Date:** MAR 30, 2017**Conference Location:** Univ Teknikal Malaysia Melaka, Melaka, MALAYSIA**Conference Sponsors:** Ctr Adv Res Energy, Fac Mech Engn, Ctr Technopreneurship Dev**Conference Host:** Univ Teknikal Malaysia Melaka**ISBN:** 978-967-0257-88-4

Record 69 of 218**Title:** Particles influence on breakdown voltage of liquid insulating medium**Author(s):** Zainoddin, MHS (Zainoddin, M. H. S.); Zainudin, H (Zainudin, H.); Abu Bakar, N (Abu Bakar, N.)**Edited by:** BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H**Source:** PROCEEDINGS OF MECHANICAL ENGINEERING RESEARCH DAY 2017 (MERD) **Pages:** 146-147 **Published:** 2017**Accession Number:** WOS:000406738200069**Conference Title:** 4th Mechanical Engineering Research Day (MERD)**Conference Date:** MAR 30, 2017**Conference Location:** Univ Teknikal Malaysia Melaka, Melaka, MALAYSIA**Conference Sponsors:** Ctr Adv Res Energy, Fac Mech Engn, Ctr Technopreneurship Dev**Conference Host:** Univ Teknikal Malaysia Melaka**ISBN:** 978-967-0257-88-4

Record 70 of 218**Title:** Optimization of FDM process parameters for ABS spur gear build time**Author(s):** Nor, SMM (Nor, S. M. M.); Sudin, MN (Sudin, M. N.); Fadzullah, SHSM (Fadzullah, S. H. S. M.); Alkahari, MR (Alkahari, M. R.); Ramli, F (Ramli, Fr)**Edited by:** BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H**Source:** PROCEEDINGS OF MECHANICAL ENGINEERING RESEARCH DAY 2017 (MERD) **Pages:** 148-149 **Published:** 2017**Accession Number:** WOS:000406738200070**Conference Title:** 4th Mechanical Engineering Research Day (MERD)**Conference Date:** MAR 30, 2017**Conference Location:** Univ Teknikal Malaysia Melaka, Melaka, MALAYSIA**Conference Sponsors:** Ctr Adv Res Energy, Fac Mech Engn, Ctr Technopreneurship Dev**Conference Host:** Univ Teknikal Malaysia Melaka**ISBN:** 978-967-0257-88-4

Record 71 of 218**Title:** Behavior analysis of human walking and robot movement for person following robot**Author(s):** Tarmizi, AI (Tarmizi, A. I.); Shukor, AZH (Shukor, A. Z. H.); Sobran, NMM (Sobran, N. M. M.); Jamaluddin, MH (Jamaluddin, M. H.)**Edited by:** BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H**Source:** PROCEEDINGS OF MECHANICAL ENGINEERING RESEARCH DAY 2017 (MERD) **Pages:** 150-152 **Published:** 2017**Accession Number:** WOS:000406738200071**Conference Title:** 4th Mechanical Engineering Research Day (MERD)**Conference Date:** MAR 30, 2017**Conference Location:** Univ Teknikal Malaysia Melaka, Melaka, MALAYSIA**Conference Sponsors:** Ctr Adv Res Energy, Fac Mech Engn, Ctr Technopreneurship Dev**Conference Host:** Univ Teknikal Malaysia Melaka**ISBN:** 978-967-0257-88-4

Record 72 of 218**Title:** Roughness of 3D printed surface under influence of chemical post processing**Author(s):** Zolkaply, AR (Zolkaply, A. R.); Alkahari, MR (Alkahari, M. R.); Ramli, FR (Ramli, F. R.); Hamdan, NS (Hamdan, N. S.); Sudin, MN (Sudin, M. N.)**Edited by:** BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H**Source:** PROCEEDINGS OF MECHANICAL ENGINEERING RESEARCH DAY 2017 (MERD) **Pages:** 153-154 **Published:** 2017**Accession Number:** WOS:000406738200072**Conference Title:** 4th Mechanical Engineering Research Day (MERD)**Conference Date:** MAR 30, 2017**Conference Location:** Univ Teknikal Malaysia Melaka, Melaka, MALAYSIA**Conference Sponsors:** Ctr Adv Res Energy, Fac Mech Engn, Ctr Technopreneurship Dev**Conference Host:** Univ Teknikal Malaysia Melaka**ISBN:** 978-967-0257-88-4

Record 73 of 218**Title:** An investigation on applying different types of adhesive to reduce warping deformation in open source 3D printer**Author(s):** Nazanl, MA (Nazan, M. A.); Ramli, FR (Ramli, F. R.); Alkahari, MR (Alkahari, M. R.); Abdullah, MA (Abdullah, M. A.); Sudin, MN (Sudin, M. N.)**Edited by:** BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H**Source:** PROCEEDINGS OF MECHANICAL ENGINEERING RESEARCH DAY 2017 (MERD) **Pages:** 155-157 **Published:** 2017**Accession Number:** WOS:000406738200073**Conference Title:** 4th Mechanical Engineering Research Day (MERD)**Conference Date:** MAR 30, 2017**Conference Location:** Univ Teknikal Malaysia Melaka, Melaka, MALAYSIA**Conference Sponsors:** Ctr Adv Res Energy, Fac Mech Engn, Ctr Technopreneurship Dev**Conference Host:** Univ Teknikal Malaysia Melaka**ISBN:** 978-967-0257-88-4

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Title: Manufacturability of overhang structure using open source 3D printer

Author(s): Alkahari, MR (Alkahari, M. R.); Mazlan, SNH (Mazlan, S. N. H.); Sun, OI (Sun, O. I.); Ramli, FR (Ramli, F. R.); Maidin, NA (Maidin, N. A.); Sudin, MN (Sudin, M. N.)

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Record 75 of 218

Title: Design self-balancing bicycle

Author(s): Tamaldin, N (Tamaldin, N.); Yusof, HIM (Yusof, H. I. M.); Abdollah, MFB (Abdollah, M. F. B.); Omar, G (Omar, G.); Rosley, MIF (Rosley, M. I. F.)

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Record 76 of 218

Title: Optimizing the design of n-channel trench power MOSFET device using Taguchi method

Author(s): Nazri, NAA (Nazri, N. A. Ahmed); Salehuddin, F (Salehuddin, F.); Mohamad, NR (Mohamad, N. R.); Aziz, MNIA (Aziz, M. N. I. A.); Hadinan, M (Hadinan, M.); Zain, ASM (Zain, A. S. M.); Maheeran, AHA (Maheeran, A. H. Afifah); Hanim, AR (Hanim, A. R.); Hamra, H (Hamra, H.); Idris, SK (Idris, S. K.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Record 77 of 218

Title: Characterizations of thermoelectric for energy harvesting on low-level heat sources

Author(s): Abdal-Kadhim, AM (Abdal-Kadhim, A. M.); Kok, SL (Kok, S. L.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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ISBN: 978-967-0257-88-4

Record 78 of 218

Title: Energy conversion: A study on rainfall's gravitational force for urban area power generation

Author(s): Yaakub, MF (Yaakub, M. F.); Abdullah, S (Abdullah, S.); Basar, MF (Basar, M. F.); Noh, FHM (Noh, F. H. Mohd); Harun, MH (Harun, M. H.); Halim, MFMA (Halim, M. F. M. A.)

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Record 79 of 218

Title: Off-grid photovoltaic automated river debris collector system

Author(s): Saadon, IM (Saadon, I. M.); Hassanudin, JH (Hassanudin, J. H.); Norddin, N (Norddin, N.); Hassan, WHW (Hassan, W. H. W.)

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Record 80 of 218

Title: Performance analysis of dual-axis solar tracker
Author(s): Ahmad, S (Ahmad, S.); Koo, MC (Koo, M. C.); Noordin, A (Noordin, A.); Johari, SH (Johari, S. H.); Mohamad, SH (Mohamad, S. H.); Sadun, AS (Sadun, A. S.)
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Record 81 of 218

Title: Thermogravimetric analysis of palm shell solid waste
Author(s): Ghafar, H (Ghafar, H.); Zailani, R (Zailani, R.); Pahmi, MAAH (Pahmi, M. A. A. Hamid); Halidi, SNAM (Halidi, S. N. A. M.); Abdullah, AS (Abdullah, A. S.); Yamin, AFM (Yamin, A. F. M.)
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Conference Host: Univ Teknikal Malaysia Melaka
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Title: Low cost natural convection solar dryer for drying durian tree wood
Author(s): Nasaruddin, AN (Nasaruddin, A. Ngah); Ab Razak, J (Ab Razak, J.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Record 83 of 218

Title: Analysis of portable temperature-controlled device by using peltier effect
Author(s): Ahmad, S (Ahmad, S.); Abdullah, MES (Abdullah, M. E. S.); Yaakub, MF (Yaakub, M. F.); Jidin, AZ (Jidin, A. Z.); Johari, SH (Johari, S. H.); Zahari, M (Zahari, M.)
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Title: Investigation of Multiple Cooling Coil Effect in Hydronic Radiant Cooling System
Author(s): Damanhuri, AAM (Damanhuri, A. A. M.); Lubis, AMHS (Lubis, A. M. H. S.); Ibrahim, A (Ibrahim, A.); Kamaruzzaman, KA (Kamaruzzaman, K. A.); Rosli, MH (Rosli, M. H.); Pawanteh, MR (Pawanteh, M. R.)
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Title: Feasibility study on harvesting wind energy from cooling tower outlet
Author(s): Mahasan, MA (Mahasan, M. A.); Chong, WT (Chong, W. T.); Goh, JB (Goh, J. B.); Azni, JF (Azni, J. Faiml); Najib, AM (Najib, A. M.); Seha, MS (Seha, M. S.)
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Record 86 of 218

Title: Energy audit in Malaysia public hospital
Author(s): Hafiz, MIM (Hafiz, M. I. M.); Sulaima, MF (Sulaima, M. F.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
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Record 87 of 218

Title: Briquetting of water hyacinth: Thermal pretreatment study
Author(s): Mitan, NMM (Mitan, N. M. M.); Rajemi, MSH (Rajemi, M. S. Hafiz)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
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Record 88 of 218

Title: A study on joint probability density function for wind data in Mersing, Malaysia
Author(s): Sanusi, N (Sanusi, N.); Zaharim, A (Zaharim, A.); Mat, S (Mat, S.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Title: High efficiency and high sensitivity DTMOs differential-drive rectifier for energy harvesting application
Author(s): Asli, ANF (Asli, A. N. F.); Wong, YC (Wong, Y. C.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Title: Development of portable power generator by using dynamo
Author(s): Johari, SH (Johari, S. H.); Chu, YC (Chu, Y. C.); Abd Mutalib, N (Abd Mutalib, N.); Ahmad, S (Ahmad, S.); Ab Halim, MFM (Ab Halim, M. F. Mohd); Zahari, M (Zahari, M.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Record 91 of 218

Title: Energy consumption analysis in engineering laboratory building
Author(s): Thamer, EA (Thamer, E. A.); Tee, BT (Tee, B. T.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Record 92 of 218

Title: Study on the effect of feed water flow rate on the steam turbine speed in the experimental vehicle
Author(s): Herawan, SG (Herawan, S. G.); Talib, K (Talib, K.); Tahir, MM (Tahir, M. M.); Anuar, S (Anuar, S.); Putra, A (Putra, A.); Rahman, MS (Rahman, M. S.)
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Title: Investigation on waste materials as thermal insulation for building
Author(s): Naji, IM (Naji, I. M.); Akop, MZ (Akop, M. Z.); Tee, BT (Tee, B. T.); Salim, MA (Salim, M. A.); Mansor, MR (Mansor, M. R.); Dullah, AR (Dullah, A. R.); Saad, AM (Saad, A. M.); Rosli, MAM (Rosli, M. A. M.); Arifin, YM (Arifin, Y. M.)
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Title: The product design preferences based on Kansei engineering: Car products in Malaysia
Author(s): Sihombing, H (Sihombing, H.); Syafika, A (Syafika, A.); Sulaiman, S (Sulaiman, S.); Salleh, MR (Salleh, M. R.); Yaakob, MY (Yaakob, M. Y.)
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Record 95 of 218

Title: Echo during classroom teaching and learning
Author(s): Mat, SR (Mat, S. R.); Sulaiman, S (Sulaiman, S.); Din, JM (Din, J. M.); Noor, SFSM (Noor, S. F. S. M.); Ibrahim, MA (Ibrahim, M. A.)
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Title: Challenges in re-engineering the new product development on Bieichi technology
Author(s): Maliki, A (Maliki, A.); Chew, BC (Chew, B. C.); Rashid, NA (Rashid, N. A.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Record 97 of 218

Title: The need for integrating communities of practice and mobile learning for digital literacy development

Author(s): Hussein, NHN (Hussein, N. H. N.); Sedek, M (Sedek, M.); Samad, AA (Samad, A. A.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Record 98 of 218

Title: Developing MOOC integrated PBL learning model in enhancing soft skills

Author(s): Zanariah, J (Zanariah, J.); Faaizah, S (Faaizah, S.); Hazmilah, H (Hazmilah, H.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Record 99 of 218

Title: Studies and design downdraft gasification for teaching and learning in UiTM Penang branch

Author(s): Mahadzir, MM (Mahadzir, M. M.); Aida, HF (Aida, H. F.); Ismail, NI (Ismail, N. I.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Record 100 of 218

Title: Online threaded discussions for limited English proficient undergraduates: instructor intervention

Author(s): Devi, SI (Devi, S. I.); Subatira, B (Subatira, B.); Hussin, N (Hussin, N.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Title: The effectiveness of online project based collaborative learning towards total number of postings

Author(s): Razali, SN (Razali, S. N.); Ahmad, MH (Ahmad, M. H.); Shahbodin, F (Shahbodin, F.); Noor, HAM (Noor, H. A. M.); Jano, Z (Jano, Z.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Record 102 of 218

Title: Modelling sustainable performance of SME through green management implementation in the new economic transition

Author(s): Kamarudin, AB (Kamarudin, A. B.); Aslan, AS (Aslan, A. S.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Record 103 of 218

Title: Prediction of students' performance in elective subject using data mining techniques

Author(s): Sulaiman, S (Sulaiman, S.); Shibghatullah, AS (Shibghatullah, A. S.); Rahman, NA (Rahman, N. A.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Record 104 of 218

Title: Wearable technology in education: Towards hands-free learning

Author(s): Fesol, SFA (Fesol, S. F. A.); Salam, S (Salam, S.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Record 105 of 218

Title: Gender and faculty relation to VAK learning style preferences among technical students

Author(s): Mislina, A (Mislina, A.); Hazmilah, H (Hazmilah, H.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Title: Developing a framework of visual spatial relationship games for autistic learners

Author(s): Noor, HDM (Noor, H. D. M.); Shahbodin, F (Shahbodin, F.); Razali, SN (Razali, S. N.); Kassim, R (Kassim, R.); Hasan, H (Hasan, H.); Musa, H (Musa, H.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Title: Investigating graduate global employability competency framework towards sustainable human capital development
Author(s): Hazmilah, H (Hazmilah, H.); Haslinda, M (Haslinda, M.); Faaizah, S (Faaizah, S.); Mislina, A (Mislina, A.); Aizan, Y (Aizan, Y.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Title: Using computer-assisted intervention to improve mathematical learning of students with autism
Author(s): Pramudya, G (Pramudya, G.); Ruslan, SNAB (Ruslan, S. N. A. B.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Title: Critical success factors for successful software development project
Author(s): Sehar, RHR (Sehar, R. H. R.); Teng, TW (Teng, T. W.)
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Title: Reengineering of supply chain management in manufacturing industries
Author(s): Matthew, J (Matthew, J.); Othman, NA (Othman, N. A.); Musa, H (Musa, H.); Fam, S (Fam, S.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Title: Learning style preferences of engineering undergraduates
Author(s): Lee, MP (Lee, M. P.)
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Title: The intellectual property challenges for commercialising research products in the Malaysian universities
Author(s): Ismail, N (Ismail, N.); Mohamed, K (Mohamed, K.)
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Title: Creative industry learning and development towards craft product: Critical success factors of technopreneurship

Author(s): Musa, H (Musa, H.); Azmi, FR (Azmi, F. R.); Mohamad, N (Mohamad, N.); Shahbodin, F (Shahbodin, F.); Fam, S (Fam, S.)

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Record 114 of 218

Title: Emotional intelligence and stress among SME entrepreneurs in Melaka: A case of entrepreneurial education

Author(s): Musa, H (Musa, H.); Azmi, FR (Azmi, F. R.); Abdullah, AR (Abdullah, A. R.); Sedek, M (Sedek, M.); Saad, NM (Saad, N. M.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Title: The implementation of global positioning system (GPS) towards logistic service provider (LSP)

Author(s): Musa, H (Musa, H.); Azmi, FR (Azmi, F. R.); Shibghatullah, AS (Shibghatullah, A. S.); Asmala, A (Asmala, A.); Abas, ZA (Abas, Z. A.)

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Title: Analyzing the awareness of green technology in Malaysia practices

Author(s): Azmi, FR (Azmi, F. R.); Musa, H (Musa, H.); Abdullah, AR (Abdullah, A. R.); Othman, NA (Othman, N. A.); Fam, S (Fam, S.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Title: A guided ranking-based clustering using K-Means

Author(s): Suhailan, S (Suhailan, S.); Samad, SA (Samad, S. Abdul); Burhanuddin, MA (Burhanuddin, M. A.); Mokhairi, M (Mokhairi, M.)

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Title: Implementation of green human resource management in Malaysia

Author(s): Azmi, FR (Azmi, F. R.); Musa, H (Musa, H.); Shahbodin, F (Shahbodin, F.); Hazmilah, H (Hazmilah, H.); Fam, S (Fam, S.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Title: Service quality on self-service technology in Malaysian retail industry
Author(s): Fam, S (Fam, S.); Othman, NA (Othman, N. A.); Siah, JW (Siah, J. W.); Musa, H (Musa, H.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Title: The moderating effect of eco product innovation on ISO 14001 EMS and sustainable development
Author(s): Rashid, N (Rashid, N.); Shami, S (Shami, S.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Record 121 of 218

Title: New technology management to overcome municipal solid waste disposal problems in Melaka
Author(s): Fam, S (Fam, S.); Ismail, AF (Ismail, A. F.); Wahjono, SI (Wahjono, S. I.); Khairuddin, MAAM (Khairuddin, M. A. A. M.); Mustaffa, MH (Mustaffa, M. H.)
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Record 122 of 218

Title: Re-engineering of accounting information system as a tool for performance improvement
Author(s): Marina, A (Marina, A.); Wahjono, SI (Wahjono, S. I.); Fam, S (Fam, S.); Sya'ban, M (Sya'ban, M.)
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Record 123 of 218

Title: E-Commerce adoption among small and medium enterprises in Melaka
Author(s): Arshad, Y (Arshad, Y.); Ibrahim, SNS (Ibrahim, S. N. S.); Chin, WP (Chin, W. P.); Sharif, SM (Sharif, S. M.); Aziz, NA (Aziz, N. A.)
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Record 124 of 218

Title: The role of experiential learning of facilitating business plan simulation in entrepreneurship education
Author(s): Mohamad, N (Mohamad, N.); Abd Ghani, MG (Abd Ghani, M. G.); Yunus, AR (Yunus, A. R.); Othman, A (Othman, A.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Record 125 of 218

Title: The effectiveness of viral marketing towards business Innovation in Malaysian firms
Author(s): Othman, A (Othman, A.); Mohamad, N (Mohamad, N.); Marimuthu, S (Marimuthu, S.); Abdullah, MM (Abdullah, M. M.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Record 126 of 218

Title: International business expansion strategy: The review of UAE family business
Author(s): Ahamat, A (Ahamat, A.); Dirir, AY (Dirir, A. Yousef); Robani, A (Robani, A.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Title: Information technology utilization for supply chain reengineering
Author(s): Othman, NA (Othman, N. A.); Matthew, J (Matthew, J.)
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Title: Developing Melaka mobile units greenhouse gas (GHG) emission profile
Author(s): Fam, S (Fam, S.); Jaafar, AA (Jaafar, A. A.); Johanna, AJ (Johanna, A. J.); Din, AM (Din, A. Mohd); Musa, H (Musa, H.); Mustaffa, MH (Mustaffa, M. H.)
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Record 129 of 218

Title: UTeM undergraduate students' satisfaction on u-learn e-learning system
Author(s): Arshad, Y (Arshad, Y.); Ibrahim, SNS (Ibrahim, S. N. S.); Sulaiman, MA (Sulaiman, M. A.); Aziz, NAA (Aziz, N. A. A.); Sharif, SM (Sharif, S. M.)
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Record 130 of 218

Title: Job performance among academics in Malaysian public universities
Author(s): Hashim, R (Hashim, R.); Shawkataly, R (Shawkataly, R.)
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Title: Developing learning model in effective social entrepreneurship
Author(s): Musa, H (Musa, H.); Azmi, FR (Azmi, F. R.); Abdullah, AR (Abdullah, A. R.); Hazmilah, H (Hazmilah, H.); Sedek, M (Sedek, M.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Record 132 of 218

Title: Risk model for first semester student using logistic regression
Author(s): Din, AM (Din, A. M.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Title: Implementation assessment of e-Dem in context dimension
Author(s): Yasin, SNTM (Yasin, S. N. T. Mohd); Yunus, MFM (Yunus, M. F. Mohd); Razali, SN (Razali, S. N.); Abd Baser, J (Abd Baser, J.)
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Title: Analysis of student performance using massive open online courses as blended learning approach in learning second language
Author(s): Hashim, H (Hashim, H.); Salam, S (Salam, S.); Mohamad, SNM (Mohamad, S. N. M.); Mee, CK (Mee, C. K.); Ee, TP (Ee, T. P.)
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Title: Digital mobile learning devices: The implication on performance of higher institution students
Author(s): Abdullah, MM (Abdullah, M. M.); Arshad, MFM (Arshad, M. F. Mohd); Othman, A (Othman, A.); Mohamed, N (Mohamed, N.)
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Title: Grain size and mechanical properties of metals subjected to equal channel angular pressing (ECAP) process
Author(s): Hisyam, MA (Hisyam, M. A.); AwangShri, DN (AwangShri, D. N.)

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Title: Experimental evaluation of impact based flexible piezoelectric P(VDF-TrFE) thick-film
Author(s): Chow, KK (Chow, K. K.); Kok, SL (Kok, S. L.); Lau, KT (Lau, K. T.)
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Title: The effect of varying pressure on mechanical performance of pineapple leaf fiber reinforced poly lactic acid biocomposites
Author(s): Ramli, SNR (Ramli, S. N. R.); Fadzullah, SHSM (Fadzullah, S. H. S. M.); Mustafa, Z (Mustafa, Z.); Rejab, MRM (Rejab, M. R. M.); Hassan, MZ (Hassan, M. Z.)
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Title: Comparison of two different composite process using hand lay-up and resin transfer moulding for tensile properties
Author(s): Zailinda, A (Zailinda, A.); Rivai, A (Rivai, A.); Yuhazri, MY (Yuhazri, M. Y.); Rus, MKM (Rus, M. K. M.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Record 140 of 218

Title: Preliminary study on fatigue strain signal of automobile steering knuckle
Author(s): Suhadak, FHA (Suhadak, F. H. A.); Zakaria, KA (Zakaria, K. A.); Ali, MB (Ali, M. B.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Title: A study of crush behavior of various cross-section of aluminium tubes with the same perimeter using Finite Element Analysis
Author(s): Ghazali, ND (Ghazali, N. D.); Said, MR (Said, M. R.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Record 142 of 218

Title: Investigation on the mechanical properties of hybrid fibre material laminate

Author(s): Jumaat, FA (Jumaat, F. A.); Sivakumar, D (Sivakumar, D.)

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Record 143 of 218

Title: Optimization on WC-Co formulation using Taguchi method for cutting tool application

Author(s): Mahaidin, AA (Mahaidin, A. A.); Jaafar, TR (Jaafar, T. R.); Selamat, MA (Selamat, M. A.); Budin, S (Budin, S.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Title: Influence of fiber orientation on mechanical properties of fiberglass reinforced composite

Author(s): Jimit, RH (Jimit, R. H.); Zakaria, KA (Zakaria, K. A.); Bapokutty, O (Bapokutty, O.)

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Title: Influence of the spindle speed in conventional drilling on the delamination ratio of the woven jute reinforced composites

Author(s): Idrus, NH (Idrus, N. H.); Mustafa, Z (Mustafa, Z.); Hadzley, ABM (Hadzley, A. B. M.); Fadzullah, SHSM (Fadzullah, S. H. S. M.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Title: The effect of sintering temperature on mechanical properties of ultrafine WC-Co composites with addition of carbon

Author(s): Budin, S (Budin, S.); Azmi, A (Azmi, A.); Rabilah, R (Rabilah, R.); Selamat, MA (Selamat, M. A.); Mahaidin, AA (Mahaidin, A. A.)

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Record 147 of 218

Title: Experimental study of welded joints on HSS and SPCC base metal

Author(s): Khashi'ie, NS (Khashi'ie, N. S.); Zainudin, MHF (Zainudin, M. H. F.); Waini, I (Waini, I.); Zaman, MRMZ (Zaman, M. R. M. Z.)

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Title: Combustion behavior of citric acid fueled YBa₂Cu₃O₇-delta precursor gel: Effects of citrate to nitrate ratio
Author(s): Suan, MSM (Suan, M. S. M.); Tee, LK (Tee, L. K.); Munawar, RF (Munawar, R. F.); Johan, MR (Johan, M. R.)
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Record 149 of 218

Title: Investigation on compression load response of polymer lattice structured cellular material
Author(s): Rosli, NA (Rosli, N. A.); Hasan, R (Hasan, R.); Baharudin, MK (Baharudin, M. K.); Alkahari, MR (Alkahari, M. R.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Title: Preliminary investigation on silicone rubber filled wollastonite composites for high-voltage insulation application
Author(s): Kamarudin, N (Kamarudin, N.); Razak, JA (Razak, J. A.); Norddin, NB (Norddin, N. B.); Mohamad, N (Mohamad, N.); Nazir, N (Nazir, N.); Aman, A (Aman, A.)
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Record 151 of 218

Title: Effect of different composition of kenaf fiber and polyester as composite fiber substitution on elasticity profile properties
Author(s): Samsuddin, NS (Samsuddin, N. S.); Shamsudin, MA (Shamsudin, M. A.); Abdullah, MIHC (Abdullah, M. I. H. C.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
Source: PROCEEDINGS OF MECHANICAL ENGINEERING RESEARCH DAY 2017 (MERD) **Pages:** 333-334 **Published:** 2017
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Conference Host: Univ Teknikal Malaysia Melaka
ISBN: 978-967-0257-88-4

Record 152 of 218

Title: Effect of different coconut fiber length composition as reinforcement and enhanced with polyester on elasticity profile
Author(s): Ibrahim, NH (Ibrahim, N. H.); Shamsudin, MA (Shamsudin, M. A.); Abdullah, MIHC (Abdullah, M. I. H. C.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
ISBN: 978-967-0257-88-4

Record 153 of 218

Title: Kinetic study of boronized AISI 304 ball bearing using new and used boronizing powder
Author(s): Omar, NH (Omar, N. H.); Hasan, R (Hasan, R.); Masripan, NAB (Masripan, N. A. B.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
ISBN: 978-967-0257-88-4

Record 154 of 218

Title: Destabilization of bentonite interlayers by ultrasonication and pH control
Author(s): Fauzi, AAA (Fauzi, A. A. A.); Osman, AF (Osman, A. F.); Abdullah, MAA (Abdullah, M. A. A.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
ISBN: 978-967-0257-88-4

Record 155 of 218

Title: Superhard carbon coatings and boundary lubrication
Author(s): Levchenko, V (Levchenko, V.); Buyanovsky, I (Buyanovsky, I.); Zakharov, K (Zakharov, K.); Bol'shakov, A (Bol'shakov, A.); Matveenko, V (Matveenko, V.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
ISBN: 978-967-0257-88-4

Record 156 of 218

Title: Characterization of SBE waste on particles size for building materials application
Author(s): Salleh, N (Salleh, N.); Shamsudin, Z (Shamsudin, Z.); Juoi, JM (Juoi, J. M.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Record 157 of 218

Title: Processing and characterization of biodegradable polycaprolactone (PCL)/sago starch blends
Author(s): Aludin, MS (Aludin, M. S.); Hazwani, TN (Hazwani, T. Nur)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Record 158 of 218

Title: Stiffness and fracture toughness behavior of kenaf fiber reinforced MWCNTs/epoxy multi-scale composites
Author(s): Noor, NAM (Noor, N. A. M.); Razak, JA (Razak, J. A.); Ismail, S (Ismail, S.); Mohamad, N (Mohamad, N.); Othman, IS (Othman, I. S.); Tew, HT (Tew, H. T.); Yaakob, MY (Yaakob, M. Y.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
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Record 159 of 218

Title: Utilizing digital image correlation method in assessing deformation of composite under tensile and bending
Author(s): Ab Ghani, AF (Ab Ghani, A. F.); Harun, WSW (Harun, W. S. Wan); Zahari, FK (Zahari, F. K.); Zakari, MH (Zakari, M. H.); Juki, MJ (Juki, M. J.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Record 160 of 218

Title: Effect of dispersant concentration on morphology of the ultrasonicated organically modified montmorillonite
Author(s): Hamid, ARA (Hamid, Asna Rasyidah Abdul); Osman, AF (Osman, Azlin Fazlina); Martin, D (Martin, Darren); Daud, YM (Daud, Yusrina Mat); Abdullah, MA (Abdullah, Mustafa Al Bakri); Ghazali, CMR (Ghazali, Che Mohd Ruzaidi)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
ISBN: 978-967-0257-88-4

Record 161 of 218

Title: Comparison of strut properties for micro-lattice structure manufactured using selective laser melting
Author(s): Hasan, R (Hasan, R.); Mines, RAW (Mines, R. A. W.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
ISBN: 978-967-0257-88-4

Record 162 of 218

Title: Heat Sensitivity on ASTM A36 mild steel plate joint using low energy arc joining welding
Author(s): Sabdin, SD (Sabin, Saiful Din); Hussein, NIS (Hussein, Nur Izzan Syahriah); Sued, MK (Sued, Mohammad Kamil); Ayof, MN (Ayof, Mohamad Nizam)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
ISBN: 978-967-0257-88-4

Record 163 of 218

Title: Effect of ZnO composition on the surface morphology and frictional properties of electrodeposited nickel-fly ash composite coating
Author(s): Ahmad, MK (Ahmad, Muhamad Khaizaki); Othman, IS (Othman, Intan Sharhida); Abidin, MZZ (Abidin, Muhammad Zaimi Zainal); Mohamad, N (Mohamad, Noraiham); Munawar, RF (Munawar, Rose Farahiyah); Azhar, EN (Azhar, Emmy Nurulazwana)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
ISBN: 978-967-0257-88-4

Record 164 of 218

Title: Fabrication and characterization of carbon nanofibres from polyacrylonitrile precursor
Author(s): Munajat, NA (Munajat, N. A.); Nurfaizey, AH (Nurfaizey, A. H.); Fadzullah, SHSM (Fadzullah, S. H. S. M.); Omar, G (Omar, G.); Jaafar, J (Jaafar, J.); Roslan, NSA (Roslan, N. S. A.); Husin, MHM (Husin, M. H. M.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Record 165 of 218

Title: Parametric study of low-field magnetic resonance imaging of articular cartilage in synovial joint
Author(s): Abd Latif, MJ (Abd Latif, M. J.); Ibramsa, RS (Ibramsa, R. Seeni); Saad, NHM (Saad, N. H. Mohd.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
ISBN: 978-967-0257-88-4

Record 166 of 218

Title: Effect of weight ratios in backing material on lamb wave excitation in PZT transducers
Author(s): Ilham, HS (Ilham, H. S.); Salim, MN (Salim, M. N.); Ab Ghani, AF (Ab Ghani, A. F.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Record 167 of 218

Title: Material flow visualization in bobbin friction stir welding by analogue model
Author(s): Sued, MK (Sued, M. K.); Tamadon, A (Tamadon, A.); Pons, D (Pons, D.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
ISBN: 978-967-0257-88-4

Record 168 of 218

Title: Design and development of bulletproof vest using kenaf fibre embedded with X-ray films

Author(s): Azmi, AMR (Azmi, A. M. R.); Sultan, MTH (Sultan, M. T. H.); Hamdan, A (Hamdan, A.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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ISBN: 978-967-0257-88-4

Record 169 of 218

Title: Quasi static and dynamic perforation of PET-based sandwich structures subjected to normal and oblique angles

Author(s): Fadzullah, SHSM (Fadzullah, S. H. S. M.); Ifayefunmi, O (Ifayefunmi, O.); Mustafa, Z (Mustafa, Z.); Omar, G (Omar, G.); Nurfaizey, AH (Nurfaizey, A. H.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Record 170 of 218

Title: Effect of annealing temperature towards electrical properties of indium zinc oxide modified kenaf fibre through dip-coating method

Author(s): Edynoor, O (Edynoor, O.); Moriga, T (Moriga, T.); Murai, K (Murai, K.); Warikh, ARM (Warikh, A. R. M.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Record 171 of 218

Title: The influence of electrospinning distances on fibre diameter of poly(vinyl alcohol) electrospun nanofibres

Author(s): Long, FC (Long, F. C.); Kamsom, RA (Kamsom, R. A.); Nurfaizey, AH (Nurfaizey, A. H.); Isa, MHM (Isa, M. H. M.); Masripan, NAB (Masripan, N. A. B.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Conference Host: Univ Teknikal Malaysia Melaka

ISBN: 978-967-0257-88-4

Record 172 of 218

Title: The tensile properties characterisation on recycled polypropylene and polyethylene blend

Author(s): Taufiq, MJ (Taufiq, M. J.); Mansor, MR (Mansor, M. R.); Mustafa, Z (Mustafa, Z.); Nordin, MNA (Nordin, M. N. A.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Record 173 of 218

Title: Investigation of the wear characteristics of helical gear using wear debris analysis

Author(s): Hamid, AHA (Hamid, A. H. A.); Dan, RM (Dan, R. M.); Zulkafli, NI (Zulkafli, N. I.); Putra, A (Putra, A.); Mazlan, RK (Mazlan, R. K.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Record 174 of 218

Title: Electrical conductivity and mechanical properties of graphite/carbon black/carbonnanotube/polypropylene nanocomposites
Author(s): Bairan, A (Bairan, A.); Selamat, MZ (Selamat, M. Z.); Sahadan, SN (Sahadan, S. N.); Malingam, SD (Malingam, S. D.); Mohamad, N (Mohamad, N.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
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Record 175 of 218

Title: Investigation on properties of woven kenaf fiber reinforced polypropylene composite
Author(s): Zalani, NFM (Zalani, N. F. M.); Sivakumar, D (Sivakumar, D.); Selamat, MZ (Selamat, M. Z.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
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Record 176 of 218

Title: Fabrication and evaluation of nylon 6 electrospun nanofibre water filtration media for removing suspended solid
Author(s): Roslan, NSA (Roslan, N. S. A.); Nurfaizey, AH (Nurfaizey, A. H.); Hafiz, MIM (Hafiz, M. I. Mohamed); Mansor, MR (Mansor, M. R.); Munajat, NA (Munajat, N. A.); Mustafa, Z (Mustafa, Z.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
ISBN: 978-967-0257-88-4

Record 177 of 218

Title: Design and development of a food tray table for commercial aircraft using hybrid composites
Author(s): Nor, AFM (Nor, A. F. M.); Sultan, MTH (Sultan, M. T. H.); Hamdan, A (Hamdan, A.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
ISBN: 978-967-0257-88-4

Record 178 of 218

Title: Behaviour of hybrid fibers in oil palm shell and palm oil fuel ash reinforced concrete beam
Author(s): Mohsin, SMS (Mohsin, S. M. Syed); Zainal, MS (Zainal, M. S.); Jokhio, GA (Jokhio, G. A.); Muthusamy, K (Muthusamy, K.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
ISBN: 978-967-0257-88-4

Record 179 of 218

Title: Effect of repetitive rework on tensile testing of dissimilar austenitic stainless steel pipes using GMAW orbital welding
Author(s): Laily, S (Laily, S.); Hussein, NIS (Hussein, N. I. S.); Salleh, MS (Salleh, M. S.); Ayof, MN (Ayof, M. N.); Kean, TH (Kean, T. H.)
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Record 180 of 218

Title: Effects of ABS/PC blends ratio towards strength performance

Author(s): Mamat, RMR (Mamat, R. M. R.); Basir, MH (Basir, M. H.); Zakaria, ZN (Zakaria, Z. N.); Ibrahim, WMW (Ibrahim, W. M. W.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Record 181 of 218

Title: Study on dimensional accuracy of lattice structure bar using FDM additive manufacturing

Author(s): Azmi, MS (Azmi, M. S.); Ismail, R (Ismail, R.); Hasan, R (Hasan, R.); Alkahari, MR (Alkahari, M. R.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Record 182 of 218

Title: A techno-economical study on medium density fiberboard using napier grass fiber as ceiling board

Author(s): Bakar, NA (Bakar, Norrahim A.); Azni, ME (Azni, M. Edyazuan); Sultan, MTH (Sultan, M. T. H.); Hamdan, A (Hamdan, A.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Conference Host: Univ Teknikal Malaysia Melaka

ISBN: 978-967-0257-88-4

Record 183 of 218

Title: The formation of thermally aged stress corrosion cracking on copper oxide surface under high temperature

Author(s): Omar, G (Omar, G.); Esa, SR (Esa, S. R.); Tamaldin, N (Tamaldin, N.); Masripan, NAB (Masripan, N. A. B.); Jasmee, S (Jasmee, S.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Conference Host: Univ Teknikal Malaysia Melaka

ISBN: 978-967-0257-88-4

Record 184 of 218

Title: The effect of aluminum thin film thickness on gold wire bond intermetallic formation

Author(s): Omar, G (Omar, G.); Fadzullah, SHSM (Fadzullah, S. H. S. M.); Tamaldin, N (Tamaldin, N.); Esa, SR (Esa, S. R.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Conference Host: Univ Teknikal Malaysia Melaka

ISBN: 978-967-0257-88-4

Record 185 of 218

Title: Weight loss by soil burial degradation of green natural rubber vulcanizates modified by tapioca starch

Author(s): Mazliah, M (Mazliah, M.); Mohamad, N (Mohamad, N.); Ab Maulod, HE (Ab Maulod, H. E.); Jeefferie, AR (Jeefferie, A. R.); Othman, IS (Othman, I. S.);

Hanizam, H (Hanizam, H.); Azam, MA (Azam, M. A.); Ahsan, Q (Ahsan, Q.); Safeai, NMNM (Safeai, N. M. N. Mohd); Mef'at, HM (Mef'at, H. Mohd)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Conference Host: Univ Teknikal Malaysia Melaka

ISBN: 978-967-0257-88-4

Record 186 of 218

Title: Synthesis of TiO₂ powders with addition of (NH₄)₂SO₄ for cold spray coating

Author(s): Toibah, AR (Toibah, A. R.); Yamada, M (Yamada, M.); Fukumoto, M (Fukumoto, M.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Conference Host: Univ Teknikal Malaysia Melaka

ISBN: 978-967-0257-88-4

Record 187 of 218

Title: Epoxy/carbon black/graphite composite bipolar plate prepared by high speed mixing technique

Author(s): Sudiana, Y (Sudiana, Y.); Selamat, MZ (Selamat, M. Z.); Sahadan, SN (Sahadan, S. N.); Malingam, SD (Malingam, S. D.); Mohamad, N (Mohamad, N.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Conference Host: Univ Teknikal Malaysia Melaka

ISBN: 978-967-0257-88-4

Record 188 of 218

Title: Low cycle fatigue of hybrid woven kenaf fiber reinforced epoxy composite with 1% addition of silica aerogel

Author(s): Ling, ECY (Ling, Elyna Chok Yee); Majid, DLAA (Majid, Dayang Laila Abang Abdul)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Conference Host: Univ Teknikal Malaysia Melaka

ISBN: 978-967-0257-88-4

Record 189 of 218

Title: Compressive behaviour of filament wound steel/carbon hybrid composites tube

Author(s): Jamaluddin, NA (Jamaluddin, N. A.); Hassan, SA (Hassan, S. A.); Omar, B (Omar, B.); Hanan, UA (Hanan, U. A.); Adam, MAM (Adam, M. A. M.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Conference Host: Univ Teknikal Malaysia Melaka

ISBN: 978-967-0257-88-4

Record 190 of 218

Title: Synthesis of oxygen carrier for chemical looping combustion from iron ore

Author(s): Afandi, NF (Afandi, N. F.); Liu, W (Liu, Wen); Manap, A (Manap, A.); Naidu, D (Naidu, D.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Conference Host: Univ Teknikal Malaysia Melaka

ISBN: 978-967-0257-88-4

Record 191 of 218

Title: Thermal properties and oil absorption behavior of TPU/natural fibers composites

Author(s): Ahad, NA (Ahad, N. A.); Radzi, NFHM (Radzi, N. F. H. Mohd); Sadli, NS (Sadli, N. S.); Tan, JS (Tan, J. S.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Conference Host: Univ Teknikal Malaysia Melaka
ISBN: 978-967-0257-88-4

Record 192 of 218

Title: Pressure history of syngas/air premixed flames propagating in a closed combustion chamber
Author(s): Tran, MV (Manh-Vu Tran); Scribano, G (Scribano, Gianfranco); Park, J (Park, Jeong)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
ISBN: 978-967-0257-88-4

Record 193 of 218

Title: The rate of moisture absorption and dissipation of plastic materials used in tunable filter microcircuit
Author(s): Lee, PJ (Lee, P. J.); Hashim, AYB (Hashim, A. Y. Bani)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
ISBN: 978-967-0257-88-4

Record 194 of 218

Title: Development of ethylene glycol and water mixture MWCNT-OH based nanofluid with high thermal conductivity
Author(s): Abdullah, A (Abdullah, A.); Mohamad, IS (Mohamad, I. S.); Hashim, AYB (Hashim, A. Y. Bani); Abdullah, N (Abdullah, N.); Abidin, SZ (Abidin, S. Zainal); Masripan, NAB (Masripan, N. A. B.)
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ISBN: 978-967-0257-88-4

Record 195 of 218

Title: Optimization parameter for high thermal conductivity and heat transfer using ethylene glycol and water mixture MWCNT-OH based nanofluids
Author(s): Abdullah, A (Abdullah, A.); Mohamad, IS (Mohamad, I. S.); Hashim, AYB (Hashim, A. Y. Bani); Abdullah, N (Abdullah, N.); Abidin, SZ (Abidin, S. Zainal)
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Conference Host: Univ Teknikal Malaysia Melaka
ISBN: 978-967-0257-88-4

Record 196 of 218

Title: Thermal conductivity of carbon nanofiber in EG-DI based nanofluids
Author(s): Abidin, SZ (Abidin, S. Zainal); Mohamad, IS (Mohamad, I. S.); Hashim, AYB (Hashim, A. Y. Bani); Abdullah, N (Abdullah, N.); Abdullah, A (Abdullah, A.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
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Record 197 of 218

Title: Photovoltaic thermal combination of water and air based using active system
Author(s): Sachit, FA (Sachit, F. A.); Tamaldin, N (Tamaldin, N.); Rosli, MAM (Rosli, M. A. M.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
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Record 198 of 218

Title: Thermal stress effect on disc brake rotor for NGV vehicle
Author(s): Baharin, B (Baharin, B.); Akop, MZ (Akop, M. Z.); Salim, MA (Salim, M. A.); Mansor, MR (Mansor, M. R.); Saad, AM (Saad, A. M.); Rosli, MAM (Rosli, M. A. M.); Arifin, YM (Arifin, Y. M.); Tahir, MM (Tahir, M. M.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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ISBN: 978-967-0257-88-4

Record 199 of 218

Title: Boundary layer flow of Jeffrey fluid over a stretching sheet with convective boundary conditions: Application in polymer processing
Author(s): Zokri, SM (Zokri, S. M.); Arifin, NS (Arifin, N. S.); Aziz, LA (Aziz, L. A.); Mohamed, MKA (Mohamed, M. K. A.); Salleh, MZ (Salleh, M. Z.); Kasim, ARM (Kasim, A. R. M.); Mohammad, NF (Mohammad, N. F.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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ISBN: 978-967-0257-88-4

Record 200 of 218

Title: Mathematical modelling on convective boundary layer of non-Newtonian micropolar viscoelastic fluid
Author(s): Aziz, LA (Aziz, L. A.); Arifin, NS (Arifin, N. S.); Zokri, SM (Zokri, S. M.); Kasim, ARM (Kasim, A. R. M.); Salleh, MZ (Salleh, M. Z.); Waini, I (Waini, I.); Shafie, S (Shafie, S.)
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Record 201 of 218**Title:** Mathematical modeling on aligned magnetic field of two-phase dusty Casson fluid**Author(s):** Arifin, NS (Arifin, N. S.); Zokri, SM (Zokri, S. M.); Aziz, LA (Aziz, L. A.); Kasim, ARM (Kasim, A. R. M.); Salleh, MZ (Salleh, M. Z.); Mohammad, NF (Mohammad, N. F.)**Edited by:** BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H**Source:** PROCEEDINGS OF MECHANICAL ENGINEERING RESEARCH DAY 2017 (MERD) **Pages:** 442-444 **Published:** 2017**Accession Number:** WOS:000406738200201**Conference Title:** 4th Mechanical Engineering Research Day (MERD)**Conference Date:** MAR 30, 2017**Conference Location:** Univ Teknikal Malaysia Melaka, Melaka, MALAYSIA**Conference Sponsors:** Ctr Adv Res Energy, Fac Mech Engn, Ctr Technopreneurship Dev**Conference Host:** Univ Teknikal Malaysia Melaka**ISBN:** 978-967-0257-88-4**Record 202 of 218****Title:** Evolutionary algorithm based controller for double link flexible robotic manipulator**Author(s):** Annisa, J (Annisa, J.); Darus, IZM (Darus, I. Z. Mat); Tokhi, MO (Tokhi, M. O.)**Edited by:** BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H**Source:** PROCEEDINGS OF MECHANICAL ENGINEERING RESEARCH DAY 2017 (MERD) **Pages:** 445-447 **Published:** 2017**Accession Number:** WOS:000406738200202**Conference Title:** 4th Mechanical Engineering Research Day (MERD)**Conference Date:** MAR 30, 2017**Conference Location:** Univ Teknikal Malaysia Melaka, Melaka, MALAYSIA**Conference Sponsors:** Ctr Adv Res Energy, Fac Mech Engn, Ctr Technopreneurship Dev**Conference Host:** Univ Teknikal Malaysia Melaka**ISBN:** 978-967-0257-88-4**Record 203 of 218****Title:** Wiper noise and vibration on designated test facility**Author(s):** Salleh, I (Salleh, I.); Zain, MZM (Zain, M. Z. Md); Abu Bakar, AR (Abu Bakar, A. R.); Mohamed, Z (Mohamed, Z.)**Edited by:** BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H**Source:** PROCEEDINGS OF MECHANICAL ENGINEERING RESEARCH DAY 2017 (MERD) **Pages:** 448-449 **Published:** 2017**Accession Number:** WOS:000406738200203**Conference Title:** 4th Mechanical Engineering Research Day (MERD)**Conference Date:** MAR 30, 2017**Conference Location:** Univ Teknikal Malaysia Melaka, Melaka, MALAYSIA**Conference Sponsors:** Ctr Adv Res Energy, Fac Mech Engn, Ctr Technopreneurship Dev**Conference Host:** Univ Teknikal Malaysia Melaka**ISBN:** 978-967-0257-88-4**Record 204 of 218****Title:** Active robust vibration control of a flexible beam**Author(s):** Jamid, MF (Jamid, Mohd Fairus); Darus, IZM (Darus, Intan Zaurah Mat); Saad, MS (Saad, Mohd Sazli)**Edited by:** BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H**Source:** PROCEEDINGS OF MECHANICAL ENGINEERING RESEARCH DAY 2017 (MERD) **Pages:** 450-451 **Published:** 2017**Accession Number:** WOS:000406738200204**Conference Title:** 4th Mechanical Engineering Research Day (MERD)**Conference Date:** MAR 30, 2017**Conference Location:** Univ Teknikal Malaysia Melaka, Melaka, MALAYSIA**Conference Sponsors:** Ctr Adv Res Energy, Fac Mech Engn, Ctr Technopreneurship Dev**Conference Host:** Univ Teknikal Malaysia Melaka**ISBN:** 978-967-0257-88-4**Record 205 of 218****Title:** PID-VSC controller tuning optimization with PFPPO for 3D gantry crane system**Author(s):** Hussien, SYS (Hussien, S. Y. S.); Ghazali, R (Ghazali, R.); Jaafar, HI (Jaafar, H. I.); Soon, CC (Soon, C. C.)**Edited by:** BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H**Source:** PROCEEDINGS OF MECHANICAL ENGINEERING RESEARCH DAY 2017 (MERD) **Pages:** 452-453 **Published:** 2017**Accession Number:** WOS:000406738200205**Conference Title:** 4th Mechanical Engineering Research Day (MERD)**Conference Date:** MAR 30, 2017**Conference Location:** Univ Teknikal Malaysia Melaka, Melaka, MALAYSIA**Conference Sponsors:** Ctr Adv Res Energy, Fac Mech Engn, Ctr Technopreneurship Dev**Conference Host:** Univ Teknikal Malaysia Melaka**ISBN:** 978-967-0257-88-4**Record 206 of 218****Title:** Validation of Radiation efficiency using Maidanik's Formula**Author(s):** Lim, KH (Lim, K. H.); Putra, A (Putra, A.); Ramlan, R (Ramlan, R.)**Edited by:** BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H**Source:** PROCEEDINGS OF MECHANICAL ENGINEERING RESEARCH DAY 2017 (MERD) **Pages:** 454-455 **Published:** 2017**Accession Number:** WOS:000406738200206**Conference Title:** 4th Mechanical Engineering Research Day (MERD)

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Record 207 of 218

Title: Effect of perforated plate on sound absorption of kenaf fibre

Author(s): Lim, ZY (Lim, Z. Y.); Putra, A (Putra, A.); Nor, MJM (Nor, M. J. M.); Yaakob, MY (Yaakob, M. Y.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Record 208 of 218

Title: Effect of tube length on the acoustical performance of plastic hollow tube sound absorber

Author(s): Khair, FA (Khair, F. A.); Putra, A (Putra, A.); Nor, MJM (Nor, M. J. M.); Selamat, MZ (Selamat, M. Z.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Record 209 of 218

Title: Sound absorption performance of suspended fabric

Author(s): Jamil, MH (Jamil, M. H.); Putra, A (Putra, A.); Nor, MJM (Nor, M. J. M.); Or, KH (Or, K. H.); Lim, ZY (Lim, Z. Y.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Record 210 of 218

Title: Acoustic characteristic of pineapple leaf fibre

Author(s): Hassan, MH (Hassan, M. H.); Putra, A (Putra, A.); Selamat, MZ (Selamat, M. Z.); Or, KH (Or, K. H.); Dullah, AR (Dullah, A. R.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Conference Host: Univ Teknikal Malaysia Melaka

ISBN: 978-967-0257-88-4

Record 211 of 218

Title: Improvement of cutting force using ultrasonic vibration for machining mold and die materials

Author(s): Azlan, R (Azlan, R.); Izamshah, R (Izamshah, R.); Hadzley, M (Hadzley, M.); Kasim, MS (Kasim, M. S.); Arfauz, M (Arfauz, M.); Akmal, M (Akmal, M.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Record 212 of 218

Title: Comparison of sound absorption performance of aluminium and cardboard micro-perforated panel

Author(s): Or, KH (Or, K. H.); Putra, A (Putra, A.); Dan, RM (Dan, R. M.); Lim, ZY (Lim, Z. Y.)

Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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Conference Host: Univ Teknikal Malaysia Melaka
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Record 213 of 218

Title: Preliminary study on sound absorption coefficient of kapok fiber
Author(s): Abdullah, YH (Abdullah, Y. H.); Putra, A (Putra, A.); Nor, MJM (Nor, M. J. M.); Lim, ZY (Lim, Z. Y.); Dan, RM (Dan, R. M.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
Source: PROCEEDINGS OF MECHANICAL ENGINEERING RESEARCH DAY 2017 (MERD) **Pages:** 471-473 **Published:** 2017
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Record 214 of 218

Title: Improved fuzzy-PID controller in following complicated path for LEGO Mindstorms NXT
Author(s): Khairi, NNM (Khairi, Nurul Nadirah Mohamad); Ahmad, SSS (Ahmad, Sharifah Sakinah Syed); Shibghatullah, AS (Shibghatullah, Abdul Samad)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
ISBN: 978-967-0257-88-4

Record 215 of 218

Title: Numerical studies on vibration characteristics on ball bearing operated under hexagonal boron nitride (hBN) nanoparticles
Author(s): Apandi, NSR (Apandi, N. S. R.); Ismail, R (Ismail, R.); Abdollah, MFB (Abdollah, M. F. B.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
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Record 216 of 218

Title: Vibration analysis of centrifugal pump caused by impeller erosion
Author(s): Dan, RM (Dan, R. M.); Hamid, AHA (Hamid, A. H. A.); Seron, MA (Seron, M. A.); Putra, A (Putra, A.); Mazlan, RK (Mazlan, R. K.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
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Record 217 of 218

Title: Vibration analysis of ball bearing using Finite Element Analysis
Author(s): Apandi, NSR (Apandi, N. S. R.); Ismail, R (Ismail, R.); Abdollah, MFB (Abdollah, M. F. B.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H
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Conference Host: Univ Teknikal Malaysia Melaka
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Record 218 of 218

Title: The identification and control of an upper extremity exoskeleton for motor recovery
Author(s): Taha, Z (Taha, Z.); Majeed, APPA (Majeed, A. P. P. A.); Abdullah, MA (Abdullah, M. A.); Khairuddin, IM (Khairuddin, I. M.); Zakaria, MA (Zakaria, M. A.); Hassan, MHA (Hassan, M. H. A.)
Edited by: BinAbdollah MF; Tuan TB; Salim MA; Akop MZ; Ismail R; Musa H

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