



PUBLICATION

In the area of publication for the year 2010, the academic staff had published 5 original manuscripts, 70 journal articles and 153 papers which included conference and seminar proceedings. In line with the vision and mission of the university, FKA staff has been actively involved in research publication, which they have submitted over 38 articles to journal for publication at both national and international level. The publications by the academic staff in the Faculty for the year 2010 are listed as follow:

ARTICLES INTERNATIONAL JOURNALS

| NO. | TITLE OF PAPER | AUTHORS | JOURNAL (IMPACT FACTOR) |
|-----|---|---|---|
| 1. | Compressive Strength Loss and Reinforcement Degradations of Reinforced Concrete Structure due to Long Term Exposure | Mohammad Ismail, Bala Muhammad and Mohamed E. Ismail | Construction and Building Materials, Vol. 24, No. 6, 898-902, (WOS and Scopus Indexed, Impact Factor 1.456) |
| 2. | Materials Characteristic of POFA Concrete and its Application to Corrosion Resistance Evaluation | Chang-Hong Lee, H-Won Song, Ki-ong Ann and Mohamed Ismail, | Journal of the Korean Concrete Institute, Vol. 21, No. 5, 565-572- In Korean |
| 3. | Performance of High Strength POFA Concrete in Acidic Environment | Ahmed Budiea, Mohamed Hussin, Khaurunisa Muthusamy, Mohamed Ismail, | Concrete Research Letters (CRL), Vol. 1, No. 1, 14-18. |
| 4. | Effect of Mixing Constituent Towards Engineering Properties of POFA Cement Based Aerated Concrete | M.W. Hussin, K.Muthusamy Abdullah and F Zakaria | ASCE Vol. 22/No. 4, April 2010 pp:287-295, ISI, 0.526 |
| 5. | Modelling the Linear Viscoelastic Rheological Properties of Base Bitumens | Nur Izzi Md Yusoff, Marc-Stephane Ginoux, Gordon dan Airey, Mohd Rosli Hainin | MJCE, Issue No 2 (1), Vol.22, June 2010 University of Nottingham; Universiti Teknologi Malaysia |
| 6. | An Investigation of the Attenuation Characteristics of Distant Ground Motions in Peninsular Malaysia by Comparing Values of Recorded with Estimated PGA a PGV | Shaerliza Zaini, Sumio Sawada, Azlan Adnan, Hiroyuki Goto | MJCE, Issue No 2 (1), June 2010 Kyoto University ; Universiti Teknologi Malaysia |
| 7. | The Conceptualization of Submerged Structures for Use as a Tsunami Barrier | Bahman Esfandiar Jahromi and Faridah Jaffar Sidek | MJCE, Issue No 2 (1), June 2010 Universiti Teknologi Malaysia |



| NO. | TITLE OF PAPER | AUTHORS | JOURNAL (IMPACT FACTOR) |
|-----|---|---|--|
| 8. | Deposition of Sediments in Detention Pond | Tarmizi Ismail, Mazlina Alang Otharman, Abu Bakar Fadzil, Sobri bin Harun, Zaitul Marlizawati Zainuddin | MJCE, Issue No 2 (1), June 2010 Universiti Teknologi Malaysia |
| 9. | Block Model Approach for Analysis of Rock Bench Stability in Open Pine Mines | Marwan Asof and Nurly Gofar | MJCE, Issue No 2 (1), June 2010 Sriwijaya University, Indonesia; Universiti Teknologi Malaysia |
| 10. | Fabrication of Bricks From Paper Sludge and Palm Oil Fuel Ash | Mohammad Ismail, M.S. Ismail, S.K. LAU, Bala Muhammad, and Zaiton Majid | Concrete Research Letters Vol.1(2), pp 60-66, 2010 |
| 11. | Analytical and Numerical Studies of Horizontal Anchor Plates in Cohesion Less Soils | Niroumand, H., Kassim, Kh.A. | Electronic Journal of Geotechnical Engineering (EJGE), Vol. 15(2010), Page 281-292 |
| 12. | Experimental Study of Horizontal Anchor Plates in Cohesive Soils | Niroumand, H., Kassim, Kh.A. Ramli Nazir | Electronic Journal of Geotechnical Engineering (EJGE), Vol. 15(2010), Page 879-886 |
| 13. | Physicochemical Characteristics of Phosphoric Acid Stabilized Bentonite | Eisazadeh, A., Kassim, K.A., and Nur, H. | Electronic Journal of Geotechnical Engineering (EJGE), Stillwater, USA, Vol. 15, Bundle C, 327-335 |
| 14. | Molecular characteristics of Phosphoric Acid Treated Soils | Eisazadeh, A., Kassim, K.A., and Nur, H. | World Academy of Science, Engineering and Technology Journal, 63, 1-3 |
| 15. | Structure Damage Detection Using Neural Network with Multi-stage Substructuring. | Bakhary, N., Hao, H. and Deeks, A. | Advances in Structural Engineering 13(1)95-110, 0.513 |
| 16. | Substructuring Technique for Damage Detection Using Statistical Multi-Stage Artificial Neural Network | Bakhary, N., Hao, H. and Deeks, A. | Advances in Structural Engineering 13(4), 619-639, 0.513 |
| 17. | Statistical Vibrahim Based Damage Identification Using Artificial Neural Network | Bakhary, N. | Jurnal Teknologi 51 |
| 18. | Non-Darcian Transmission of Water Properties in Malaysian Peat Soil. | Charles Bong Hin Joo, Ayob Katimon. | The IUP Journal of Soil and Water Science (India). Vol III(2): 40-54 |
| 19. | A 3-D Volumetric Soft Geo-Objects Data Model For Dynamic Streamflow Generating Processes. | Izham Mohamad Yusoff, Alias Abdul Rahman, Ayob Katimon, Wan Ruslan Ismail. | J.Environmental Hydrology, Vol.18, paper 12. 1: 13 |
| 20. | Development of Granular Sludge For Textile Wastewater Treatment | Muda, K., Aris, A., Salim, M.R., Ibrahim, Z., Yahya, A., Ahmad, A., Nawahwi, M.Z. | Water Research, Vol. 44, No. 15, pp. 4341-4350, 2010, 4.355 |
| 21. | Modeling the Distribution of Rainfall Intensity using Hourly Data, American Journal of Environmental Sciences | Dan'azumi, S., Shamsudin, S. and Aris, A. | American Journal of Environmental Sciences, Vol. 6, No. 3, pp. 238-243, 2010 |
| 22. | The Effect of Different Temperatures and Fluxes on the Performance of Membrane Bioreactor Treating Synthetic-Municipal Wastewater | Al- Amri, A., Salim, M.R., Aris, A. | Desalination, Vol. 259, No. 1-3, pp. 111-119, 2010, 2.034 |



| NO. | TITLE OF PAPER | AUTHORS | JOURNAL (IMPACT FACTOR) |
|-----|--|--|--|
| 23. | Characteristics of the Developed Granules Containing Selected Decolourising Bacteria for the Degradation of Textile Wastewater | Amin, M.F.M., Ibrahim, Z., Yahya, A., Aris, A., Muda, K. | Water Science Technology, Vol. 61, No. 5, pp. 1279-1288, 2010 , 1.09 |
| 24. | Effects of Polymer-Cement Ratio and Accelerated Curing on Flexural Behavior of Hardener-Free Epoxy-Modified Mortar Panels | Mohammad Aamer Rafique Bhutta and Yoshihiko Ohama | Journal of Materials and Structures, RILEM Publications, Vol. 43, No.3, Jan. 2010, pp.429-439. |
| 25. | Palm Oil Fuel Ash (POFA) as the Future Supplementary Cementitious Materials (SCM) in Concrete | Mohamed A. Ismail, Mohd Warid Hussin and Mohammad Ismail | CPI (Concrete Plant International) Magazine, South Africa, Issue 3, pp 38-45, June 2010. (international circulation in 8 languages). |
| 26. | Experimental Study of Horizontal Anchor Plates in Cohesion Less Soils | Niroumand, H., Kassim, Kh.A | Electronic Journal of Geotechnical Engineering (EJGE), Universiti of Oklahoma, USA, Vol. 15(2010), Page 609-620 |
| 27. | Analytical and Numerical Studies of Vertical Anchor Plates in Cohesion Less Soils | Niroumand, H., Kassim, Kh.A, Nazir, R. | Electronic Journal of Geotechnical Engineering (EJGE),University of Oklahoma, Vol. 15(2010), Page 1024-1035 |
| 28. | Comparison of Compressive Strength in Mud Bricks with Shred Tires and Concrete Particles as Sustainable Materials | Niroumand, H., Kassim, Kh.A | Electronic Journal of Geotechnical Engineering (EJGE),University of Oklahoma, Vol. 15(2010), Page 1151-1158 |
| 29. | Simulation of Vegetative Induced Deformation in an Unsaturated Soil | Ali N. and M.A. Mu'azu | American Journal of Environmental Sciences, Vol. 6(2):130-136, 2010 |
| 30. | Elapse Time Factor on Induced Vegetative Moisture Uptake in an Unsaturated Soil | Mu'azu M.A., Ali N. and Kamarudin A. | American J.of Engineerig and Applied Sciences 3(4) : 597-603, ISSN: 1941-7020 |
| 31. | Rainfall Evaluation of Root Water-uptake Induced Deformation | Mu'azu M.A., Ali N. and Ahmed K | ARNP Journal of Engineering and Applied Science, Vol. 5, No. 8. ISSN : 1819-6608 |
| 32. | Bioengineerig Assessment on Sloppy Ground | Mu'azu M.A., Ali. N. and Kamarudin A. | American Journal of Environmental Sciece 6(4): 357-364, 2010, ISSN: 153-345X |
| 33. | Dilemma Zone Conflicts at Isolated Intersections Controlled with Fixed-time and Vehicle Actuated Traffic Signal Systems | Othman Che Puan, Che Ros Ismail | International Journal of Civil & Environmental Engineering IJCEE-IJENS Vol:10 No. 03, June 2010, pp. 19 - 25 |
| 34. | Flexural Strengthening of Timber Beams Using Glass Fibre Reinforced Polymer | A.Yusof, A.L. Saleh | Electronic Journal of Structural Engineering Volume 10:2010, ISSN 1442-9255 |
| 35. | Fire Resistance Properties of Palm Oil Fuel Ash Cement Based Aerated Concrete | Khairunisa Abdullah and Mohd Hussin | Concrete Research Letters, Vol. 1(3) - September 2010, 107-114 |
| 36. | Assessment on Excavatability in Weathered Sedimentary Rock Mass Using Seismic Velocity Method | Edy Tonnizam, Saad Rosli, Md Noor Muhazian, Md Isa Mohamed Fauzi | Journal of Materials Science and Engineering, ISSN 1934-8959. (submitted Oct 2010) |



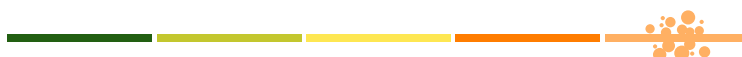
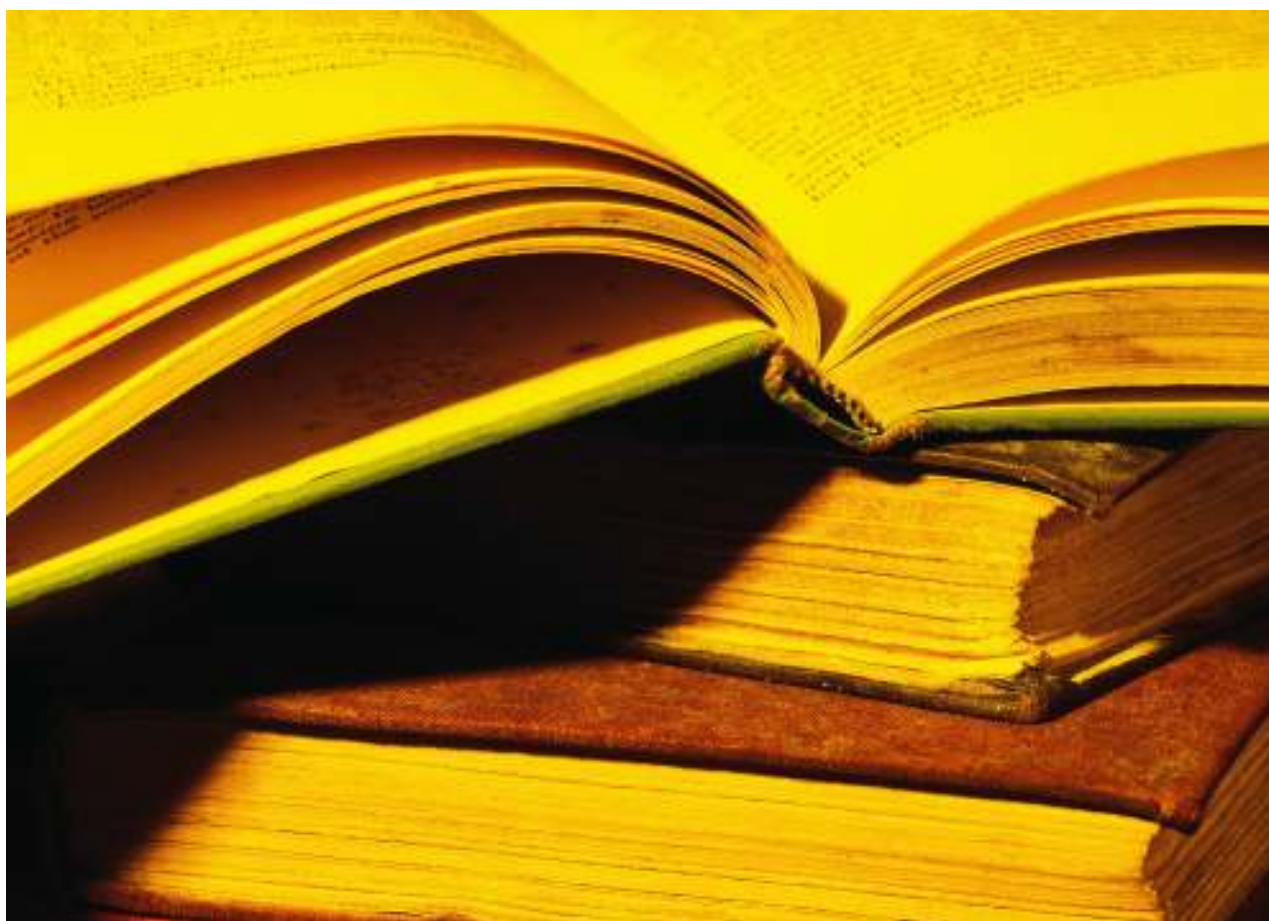
| NO. | TITLE OF PAPER | AUTHORS | JOURNAL (IMPACT FACTOR) |
|-----|--|---|---|
| 37. | Evaluating equivalent static analysis of Iranian code with nonlinear static pushover analysis | Marsono, A.K. , Khoshnoud, H. R. | Proceedings of the First Makassar International Conference on Civil Engineering (MICCE2010), Makassar, Indonesia. ISBN978-602-95227-0-9 |
| 38. | Long term Strength of Rubberized Concrete Paving Blocks | L.T. Chai, Hasan Md Nor, Mohd Rosli Hainin and Lim | Journal of Construction Materials (Institution of Civil Engineers), Vol. 163, Issue CMI, ISSN 1747-650X, UK, pp 19-26, 2010 |
| 39. | Predictability of Compressive Modulus Using Rheological Models | N.I. Md Yusoff, G.D. Airey and M.R. Hainin | Asian Journal of Scientific Research, Vol.3(1): pp 18-30, 2010 |
| 40. | Flexural Response of Hybrid Carbon Fiber Thin Cement Composites | Hossain, M.Z. and Awal, A.S.M.A. | Construction and Building Materials, Article No. JCBM2247, 21 August 2010 (http://dx.doi.org/10.1016/j.conbuildmat.2010.07.022) |
| 41. | Tensile Performance of Grouted Splice Connectors in Precast Concrete Structures | Ling Jen Hua, Ahmad Baharuddin Abd Rahman & Izni Syahrizal Ibrahim | Concrete Plant International (CPI) Trade Journal, 5. pp 160 - 166 |
| 42. | Performance of Grouted Sleeve Connectors Subjected to Incremental Tensile Loads | Ahmad Baharuddin Abd. Rahman, Ling Jen Hua, Izni Syahrizal Ibrahim & Zuhairi Abd Hamid | Malaysian Construction Research Journal, CREAM. 6(1). Pp. 39-55 |
| 43. | The Stage-discharge, Sediment Transport, Bedforms and Drag Force Influenced by Floodplain Roughness. | Z.Ismail and K. Shiono | International Review of Civil Engineering (IRECE), Volume 1-N.4, September 2010 |
| 44. | Analytical and Numerical Study on Explosion into/on Cohesion Less Soils | Niroumand, H., Kassim, Kh.A | European Journal of Scientific Research, UK, 46(4):554-562 |
| 45. | Anchor Plates in Two-Layered Cohesion Less Soils | Niroumand, H., Kassim, Kh.A, Nazir, R | American Journal of Applied Science, Science Publications, USA, 7(10):1396-1399 |
| 46. | Uplift Response of Horizontal Square Anchor Plates in Cohesive Soil Based on Laboratory Studies | Niroumand, H., Kassim, Kh.A | Electronic Journal of Geotechnical Engineering, University of Oklahoma, USA, Vol. 15, Page 1879-1886 |
| 47. | Experimental Studies of Horizontal Square Anchor Plates in Cohesion Less Soil | Niroumand, H., Kassim, Kh.A., Nazir, R. | Electronic Journal of Geotechnical Engineering, University of Oklahoma, USA, Vol. 15, Page 1703-1711 |
| 48. | Uplift Capacity of Anchor Plates in Two-Layered Cohesive - Frictional Soils | Niroumand, H., Kassim, Kh.A., Nazir, R. | Journal of Applied Science, USA, Vol. 28, Page 2012 - 2016 |
| 49. | Uplift Response of Horizontal Strip Anchor Plates in Cohesion Less Soil | Niroumand, H., Kassim, Kh.A., Nazir, R. | Electronic Journal of Geotechnical Engineering, University of Oklahoma, USA, Vol. 15, Page 1940-1952 |
| 50. | A Markovian Approach to the Modeling of Sound Propagation in Urban Streets | Zaiton Haron, David Oldham | Jurnal Teknologi, 52 Mei 2010: 61 - 75 |
| 51. | The Drainage Exchange of Stormwater Potential in Flat Area Problems | S. Musa, N.A. Zakaria, S.H. Lai and D. Tjahjanto | Journal of Environmental Science and Engineering, ISSN 1934-8932, USA, Volume 4, No.10 (Serial No.35), Page: 1-8, October 2010. , 0.2334 |



| NO. | TITLE OF PAPER | AUTHORS | JOURNAL (IMPACT FACTOR) |
|-----|--|---|--|
| 52. | Influence of georeference for saturated excess overland flow modeling using 3-D volumetric soft geo-object | Izham Mohamad Yusoff, Muhammad Uznir Ujang, Alias Abdul Rahman, Ayob Katimon, Wan Ruslan Ismail | Computer & Geosciences, 2010 (doi. 10.1016/j.cageo.2010.05.013) ISSN: 0098-3004. , 1.1 |
| 53. | Dilemma Zone Conflicts at Isolated Intersections Controlled with Fixed-time and Vehicle Actuated Traffic Signal Systems. | Othman Che Puan and Che Ros Ismail | International Journal of Civil & Environmental Engineering IJCEE-IJENS Vol: 10 No: 03, June 2010, pp. 19 – 25. http://ijens.org/index.htm |
| 54. | Recent Status of Research and Development of Concrete-Polymer Composited in Japan | Muhammad Aamer Rafique Bhuta and Yoshihiko Ohama | Concrete Research Letters, Vol. 1(4), 2010, pp.125-130 |
| 55. | Corrosion Performance of Dual-Phase Steel Embedded in Concrete, | Mohammad Ismail and Esah Hamzah, | Arabian Journal of Science and Technology B Vol 35, 2B, pp81-90, Oct 2010. (Scopus indexed), 0.106 |
| 56. | Effect of lime on stabilization of mining waste from Sabah, Malaysia | PRKumar and Khairul A Kassim | Malaysian Journal of Civil Engineering, vol.22(2) Dec.2010 |
| 57. | The Mechanical Properties of High Strength Concrete for Box Girder Bridge Deck in Malaysia | Azlan Adnan, Meldi Suhatril, and Ismail M. Taib | Concrete Research Letters Journal, Vol1 (1), 35-44, 2010, ISSN 21807371 |
| 58. | Multivariate School Travel Demand Regression Based on Trip Attraction | Ben-Edigbe, J / R. Rahman | World Academy of Science, Engineering and Technology Open Access Journal Issue No. 66 Vol.1 June 2010 ISSN: 1307-6884 |
| 59. | Extent of Rutting Associated With Bituminous Low Cost Roads and Their Distress Implications' | Ben-Edigbe J / Zahar Z / Sani M. | Malaysian Journal of Civil Engineering, Skudai, Malaysia ISSN: 1823-7843 December 2010, 0.05 |
| 60. | Assessment of Speed, Flow & Density Functions under Adverse Pavement Conditions' | Ben-Edigbe J. | International Journal of Sustainable Development and Planning ISSN: 1743-7601- Volume 5, Issue 3 pg.238–252 August 2010 |
| 61. | Bituminous Low Cost Road Initiatives-How Effective?' | Ben-Edigbe J. | European Journal of Scientific Research indexed in ULRICH, DOAJ and CABELL – Volume 40 Issue 1 Page 115-124, January 2010 ISSN 1450-216X |
| 62. | Comparative Analysis of Optimized Static and Actuated Traffic Signal System | Ben-Edigbe J. | APRN Journal of Engineering and Applied Sciences – JEAS Volume 1 No 10 January 2010 ISSN 1819-1608 |
| 63. | The Correlations and Properties of Soft Clay from Temerloh, Pahang. | Hasan, M, Abdullah, A and Marto, A | Journal of Engineering and Technology (JET), Universiti Teknikal Malaysia, Melaka (Vol. 1), 2010 |
| 64. | Engineering Characteristics of Tanjung Bin Coal Ash | Muhardi, Marto, A., Khairul, K.A., Makhtar, A.M., Lee, F.W. and Yap, S.L. | The Electronic Journal of Geotechnical Engineering (EJGE) Vol 15[2010], p 1117-1129, ISSN 1089-3032 |
| 65. | The Forecasting Residual Life of Corroding Pipeline based on Semi-Probabilistic Method | N.M. Noor, N. Yahaya, N.A.N Ozman , S.R. Othman | UNIMAS e-Journal of Civil Engineering Vol.1: Issue 2: April 2010 |



| NO. | TITLE OF PAPER | AUTHORS | JOURNAL (IMPACT FACTOR) |
|-----|---|---|---|
| 66. | PICA: Pipeline Integrated Corrosion Assessment Tool for Structure Integrity | N.M. Noor, N. Yahaya, N.A.N Ozman, M.N.M.A.Hanapiah, Z.Abdullah | MJCE Vol. 24, No. 2, 2010 |
| 67. | A Study of Flexural Modulus and Ductility of Laminated Cementitious Composites | Hossain, M.Z. and Awal, A.S.M.A. | MJCE 22(2) : 216-226 |
| 68. | How to Accelerate the Development of Math-Oriented Critical Thinking Skills among Prospective Civil Engineers | N.M Radzi, M.S. Abu, and S Mohammad | International Journal of Engineering and Technical Education (IJETE2010). |
| 69. | Project-based Engineering Design Education: A Malaysian Case | M.Puteh, K.M Ismail and S. Mohammad | European Journal of Social Science, Vol 16, Issue 3. 2010, page 419-427. |
| 70. | Behaviour of An Old Mansonry Tunnel Due To Tunneling Induced Ground Settlement. | Mohamad, H., Bennet, P.J., Soga K, Mair, RJ and Bowers, K | Geotechnique, 60, No. 12,927-938, 1.097 |



CONFERENCE PROCEEDING

| NO. | TITLE OF ARTICLE | AUTHOR(S) | CONFERENCE |
|-----|---|---|--|
| 1. | Seismic Design Criteria of Infrastructure in Malaysia: In Application to Bridge Structure | Azlan Adnan, Hendriyawan (2010) | Conference on Managing Structural Failure, CTMC JKR |
| 2. | New Attenuation Relationship for Far Field Earthquake Caused by Dip Slip Mechanism | Azlan Adnan, Hendriyawan, Meldi Suhatriil, Masyur Irsyam (2010) | Seismological Research Letters |
| 3. | Soil-Root Interaction and Effects on Slope Stabilization | Nazri bin Ali Iman Farshchi | Indonesia |
| 4. | Evaluation of air permeability of hardener-free epoxy-modified mortars using nondestructive testing method | M. Aamer Rafique Bhutta, K. Imamoto and Y. Ohama | International Congress on Polymers in Concrete, Madeira, Portugal, Department of Civil Engineering, University of Minho, Feb. 2010, Oficinas Graficas de Barbosa & Xavier, Lda, Bragapp. 333-340 |
| 5. | Probability Distributions of Rainfall Depth at Hourly Time-Scale | Supiah Shamsudin Salisu Dan'azumi | ICESE 2010 : International Conference on Environmenal Science and Engineering, Singapura |
| 6. | Structural Performance Of Precast Concrete Buildings Using Hybrid Beam-to-Column Connection | Moghadasi, M., Marsono, A.Kadir | National Postgraduate Seminar, Kuala Lumpur, Malaysia |
| 7. | The Effect of Different Temperatures and Fluxes on the Performance of Membrane Bioreactor Treating Synthetic-Municipal Wastewater | Al- Amri, A., Salim, M.R., Aris, A. | POWER-GEN Middle East, 2010. |
| 8. | Developing Seamless Integrated Assesment Tool for Corroding Steel Pipeline | Nordin Yahya, Nor Apaziah Nor Ozman | The 2 nd International Conference on Engineering & ICT (iCEi 2010), Holiday Inn, Melaka World Heritage City, Melaka |
| 9. | Back-Propagation Neural Network in Building Damage Forecasting Due to Earthquake in Malaysia". | Rozaina Ismail, Azlan Adnan, Azmi Ibrahim (2010) | The 2 nd International Conference on Engineering & ICT, Holiday Inn, Melaka. |
| 10. | Comparison of Multilayer Perceptron and Particle Swarm Optimization Feedward Neural Networks for Modeling Runoff | Sobri bin Harun Kelvin Kuok King Kuok | The 1 st IWA Malaysia Young Water Professionals Conference (IW AYWP 2010), Best Western Premier Pacific Hotel Kuala Lumpur |
| 11. | Disaggregation of Daily to Hourly Rainfall in Urban Area Using Bartlett Lewis Rectangular Model | Zulkifli bin Yusop Harisaweni | The 1 st IWA Malaysia Young Water Professionals Conference (IW AYWP 2010), Best Western Premier Pacific Hotel Kuala Lumpur |
| 12. | Assesing The Halda River Flow in the Contexts of Flood and Fish Habitat | Sobri bin Harun Md Hazrat Ali | The 1 st IWA Malaysia Young Water Professionals Conference (IW AYWP 2010), Best Western Premier Pacific Hotel Kuala Lumpur |



| NO. | TITLE OF ARTICLE | AUTHOR(S) | CONFERENCE |
|-----|--|---|---|
| 13. | Uncertainty Analysis of HEC-HMS Model Parameters for Southern Malaysia | Supiah Shamsudin Salisu Dan'azumi | The 1 st IWA Malaysia Young Water Professionals Conference (IW AYWP 2010), Best Western Premier Pacific Hotel Kuala Lumpur |
| 14. | Optimization of Rain Gauge Network in A Tropical Urban Catchment | Zulkifli Yusop Goh Yee Cai | The 1 st IWA Malaysia Young Water Professionals Conference (IW AYWP 2010), Best Western Premier Pacific Hotel Kuala Lumpur |
| 15 | Characterization of Stormwater Runoff at Commercial Cathments in Malaysia | Zulkifli Yusop Chow Ming Fai | The 1 st IWA Malaysia Young Water Professionals Conference (IW AYWP 2010), Best Western Premier Pacific Hotel Kuala Lumpur |
| 16. | Melana and Batu Pahat Watershed Ranking Using Fuzzy Composite Programming | Supiah Shamsuddin Liza Shah Ali Charlie | The 1 st IWA Malaysia Young Water Professionals Conference (IW AYWP 2010), Best Western Premier Pacific Hotel Kuala Lumpur |
| 17. | Investigation of Lab-Scale Study of Hybrid-Sequencing Batch Reactor (H-SBR) in Enhancement of Organic Removal from Palm Oil Mill Effluent (POME) | Mohd Fadhil Md Din Noor Faizurah Mohd Asnawi | The 1 st IWA Malaysia Young Water Professionals Conference (IW AYWP 2010), Best Western Premier Pacific Hotel Kuala Lumpur |
| 18. | Granular Sludge as Compact Treatment System for Textile Wastewater Treatment | Muda, K., Aris., Salim, R.M., Ibrahim, Z., Yahya, A., Ahmad, A. and Nawahwi, Z. | 1st IWA MALAYSIA Young Water Professionals Conference, Best Western Premier Seri Pacific Hotel, Kuala Lumpur |
| 19. | Formation of Aerobic Granular Sludge with Palm Oil Mill Effluent (POME)(2010) | Abdullah, N., Ujang, Z., Curtis, T., Yahya, A., Muda, K. and Salmiati | 1st IWA MALAYSIA Young Water Professionals Conference, Best Western Premier Seri Pacific Hotel, Kuala Lumpur |
| 20. | Optimization of Separation Process for Arsenic Removal in Low Pressure Reverse Osmosis Membrane (LPROM) using Central Composite Rotatable Design | Ujang, Z., Hamdzah, M., Ozaki, H., Aris, A., Talib, J. | IWA Young Water Professionals Conference (IWAYWP 2010), Kuala Lumpur |
| 21. | Granular Sludge as Compact Treatment System for Textile Wastewater Treatment | Muda, K., Aris, A., Salim, M.R., Ibrahim, Z., Yahya, A., Ahmad, A., Nawahwi, Z | IWA Young Water Professionals Conference (IWAYWP 2010), Kuala Lumpur |
| 22. | Optimisation of Coagulation Process in Water Treatment Plant Using One-Factor-at-A-Time (OFAT) and Response Surface Methodology (RSM) Jar Tests | Zainal-Abideen, M., Aris, A., Yusof, F., Majid, Z.A., Selamat, A., Omar, S.I. | IWA Young Water Professionals Conference (IWAYWP 2010), Kuala Lumpur |
| 23. | Compare of Anchor System in Geotechnical Engineering | Niroumand, H., Kassim, Kh.A | MICCE 2010, Makassar, Indonesia |
| 24. | Seismic Analysis Of Multi-Storey Reinforced Concrete Industrialised Building System With Hybrid Beam-to-Colum Connection | Moghadasi, M., Marsono, A.Kadir | Proceedings of MICCE, Makassar, Indonesia |



| NO. | TITLE OF ARTICLE | AUTHOR(S) | CONFERENCE |
|-----|---|--|---|
| 25. | Analysis of Shoreline Change of Senggarang Coastline Using Genesis | Dwi Tjahjanto, Sriyana, Abd Aziz Abd Samad, Juliana A. Baharam and Ab Aziz Abd Latiff | International Symposium on Coastal Zones and Climate Change: Assessing the Impacts and Developing Adaptation Strategies, Monash University, Australia |
| 26. | Embedded Capacitance Corrosion Sensor For Measuring Corrosion Potential of Rebar | Siti Fatimah A.R, Mohammad Ismail, Norhazilan Md. Noor, Hazri Bakhtiar | Proceedings of 3rd Engineering Conference on Advancement in Mechanical and Manufacturing for Sustainable Environment, EnCon2010, Kuching, Sarawak |
| 27. | On Site Sound Pressure Level Measurement of Excavators | Hamidon Mohd Noh, Zaiton Haron & Khairulzan Yahya | Proceedings of EnCon2010, 3rd Engineering Conference on Advancement in Mechanical and Manufacturing for Sustainable Environment, Kuching, Sarawak, Malaysia |
| 28. | Construction Noise Prediction using Stochastic Model | Nur'ain Idris, Zaiton Haron, Khairulzan Yahya and Hamidun Mohd Noh | Proceedings of EnCon2010, 3rd Engineering Conference on Advancement in Mechanical and Manufacturing for Sustainable Environment, Kuching, Sarawak, Malaysia |
| 29. | Development of a porous model to characterise erosion of a breached embankment | Zainab Mohamed Yusof, D.M. Hargreaves and H.P., Morvan | First European IAHR Congress, Heriot Watt University, Edinburgh |
| 30. | FEM Excavations with Anchor Grouting in Cohesion Soils | Niroumand, H., Kassim, Kh.A | The 17th Southeast Asian Geotechnical Conference, Taipei, Taiwan |
| 31. | NAPL Contamination in Groundwater for Double-Porosity Featured Sub-Surface Systems | Norhan Abd Rahman Ngien Su Kong | 1 st National Conference on Natural Resources (NCNR 2010), Grand Riverview Hotel, Kota Bahru. |
| 32. | Rheological Properties of Bitumen Modified with Commercial Wax – The Green Technology | Arafat Suleiman Yero, Mohd Rosli Hainin and Abdul Aziz Chik | The 2 nd International Postgraduate Conference on Infrastructure and Environment (IPCHE), Hong Kong Polytechnic Univesity |
| 33. | Laboratory Shake Table Testing of Base Isolator Steel Frame Structure | Azlan Adnan, Jati Sunaryati, Patrick Tiong | 1 st Regional Seminar of Science, Technology & Social Sciences (STSS 2010), Kuantan, Pahang. |
| 34. | Three Dimensional Numerical Simulations of Blood Flow Behaviour in Stenotic and Aneurysmal Arteries | Nursalasawati Rusli, Sasa Kenjeres, Airil Yasreen Mohd Yassin, Ahmad Kueh Beng Hong, Norsarahaida Amin | 1st Regional Conference on Applied and Engineering Mathematics (RCAEMIO), Eastern & Oriental Hotel, Penang. Vol. 2, 197-202 |
| 35. | The Trend of Life Cycle Assessment (LCA) Research in Malaysia Construction Industry | Khairulzan Yahya, Siti Nur Zulaika Mohd Rasid | 2nd International Conference on Environment Research and Technology (ICERT 2010), Pulau Pinang |
| 36. | Anchor Plates n Experimental Works in Cohesion Less Soils | Niroumand, H., Kassim, Kh.A. | From Resarch to Design in European Practice, Bratislava, Slovak Republic |



| NO. | TITLE OF ARTICLE | AUTHOR(S) | CONFERENCE |
|-----|--|---|---|
| 37. | Data Capturing for Digital Road Datasets and Other Road Related Features Using Integrated Network Survey Vehicle for South Zone Federal Roads of West Malaysia | Abu Hassan Abdullah and Mohd Rosli Hainin | The 7 th Asia Pacific Conference on Transportation and the Environment, Semarang Indonesia |
| 38. | Evaluation on the Effectiveness of Learning Outcomes from Student's Perspectives | Azmahani Abdul Aziz, PM. Dr Jamaludin Mohamad Yatim & PM. Dr Khairiyah Mohamad Yusof | The 3 rd Regional Conference on Engineering Education and Research in Higher Education (RCEE & RHEd 2010), Kuching, Sarawak |
| 39. | Damage Mechanics Model For Fracture Process of Steel Concrete Composite Slabs | M.Joshani, S.S.R. Koloor and Redzuan Abdullah | The 8 th International Conference on Fracture and Strength of Solids (FEOFS) 2010 |
| 40. | Bearing Capacity of Granular Soil overlying Soft Clay Reinforced with Bamboo-Geotextile Composite at the Interface | Marto, A., Makhtar, A.M., and Khatib, A. | 6 th Int. Conference on Innovation in Architecture, Engineering and Construction (AEC), Penn-State University, USA |
| 41. | The Effect of Time on the Performance of Fly Ash as Backfill Materials for Embankment Construction | Muhardi. Marto, A., Kassim, K.A., Makhtar, A.M. and Yaacob, W.Z. | 6 th Int. Conference on Innovation in Architecture, Engineering and Construction (AEC), Penn-State University, USA |
| 42. | Engineering Properties of Limestone from Pandan Indah, Kuala Lumpur | Mohd For Mohd Amin, H.M. Abdul Aziz K.M. Hanifah, Amir Hamzah Mustapha, Edayu Saleh @ Aman. | National Geoscience Conference 2010 (NGC 2010) |
| 43. | Earth Bricks with Wood Chips as Sustainable Materials | Niroumand, H., Kassim, Kh.A. | IMTCHE 2010, Sarawak |
| 44. | Methodology for Soil-Corrosion Study of Underground Pipeline | Norhazilan Md Noor Lim Kar Sing | The 2 nd International Conference on Plant Equipment and Reliability (ICPER), Pusat Persidangan Kuala Lumpur (KLCC) Kuala Lumpur |
| 45. | Methodology for Soil-Corrosion Study of Underground Pipeline | Norhazilan Md Noor, PM Dr Nordin, Lim Kar Sing, Nor Apaziah, Zaabah, Nazmi, Siti Rabe'ah Othman | 2 nd International Conference on Plant Equipment and Reliability (ICPER 2010), Kuala Lumpur Convention Center KLCC |
| 46. | Laboratory Experiment on Light Non-Aqueous Phase Liquid Migration Effect in Dual-Porosity Soil | PM Dr Norhan Abd Rahman, Ngien Su Kong | Persidangan Kebangsaan Hidrology & Alam Sekitar (HIDRAS 2010), UTHM |
| 47. | Determination of The Effectiveness of Using Recharge Well on Groundwater to Mitigate Flood in a Physical Model | Lawal Abdul Goyum Tunji, Dwi Tjahjanto and Ab Aziz Abdul Latiff | National Conference on Hydrology and Environment (HYDRAS 2010), UTHM-UNESCO, Batu Pahat |
| 48. | Performance of Shred Tires & Wood Particles in Earth Bricks | Niroumand, H., Kassim, Kh.A. | Second International Conference on Sustainable Construction Materials & Technologies, Universita Politecnica Delle Marche, Ancona, Italy |



| NO. | TITLE OF ARTICLE | AUTHOR(S) | CONFERENCE |
|-----|--|--|---|
| 49. | Multivariate School Travel Demand Regression Based on Trip Attraction | Johnnie Ben-Edigbe | ICURPT 2010 : International Conference on Urban, Regional Planning and Transportation, Paris, Perancis |
| 50. | Tensile Behavior of the Treated and Untreated Kenaf Fibers | Dr. Jamaludin Mohamad Yatim, Nur Hafizah bt Abd Kalid | 2010 National Postgraduate Seminar (NAPAS 2010), Shah Alam, Selangor |
| 51. | Performane of Earth Bricks with Shred Tires as Sustainable Construction Materials | Niroumand, H., Kassim, Kh.A. | SAUD2010, Amman, Jordan |
| 52. | Modern construction materials ? A review on Japanese industry? | M. Aamer Rafique Bhutta, and Y. Ohama | International Conference on Building and Infrastructural, World Engineering Congress 2010, Kuching, Sarawak |
| 53. | Investigation of Superpave Mixturers in Malaysia | J. Ahmad, M.Y.Absul IRahman and M.R. Hainin | 11 th International Conference on Asphalt Pavements, Nagoya, Japan |
| 54. | The Effects of Earthquake Disaster on Urban Infrastructure Development and Management in Malaysia | Azlan Adnan, Patrick Tiong | International Conference on Urban Development and Management (ICUDM 2010) |
| 55. | Performance of Compressive Strength in Earth Bricks with Concrete Particles | Niroumand, H., Kassim, Kh.A. | WEC2010, Sarawak |
| 56. | Structural Performance of Splice Sleeve Connector with Vertical and Spiral Reinforcement Bar Under Direct Tensile Load | Ahmad Baharuddin Abdul Rahman Shuhaimi Shaedon Izni Syahrizal Ibrahim Zuhairi Abd. Hamid (CREAM) | The 4th World Engineering Congress 2010 : Engineering & Technology for Global Stability and Security, Kuching, Sarawak |
| 57. | Tensile Performance of Grouted Mild Steel Pipe Splice Connector for Precast Concrete Connection | Ahmad Baharuddin Abd Rahman Ling Jen Hua Izni Syahrizal Ibrahim | The 4th World Engineering Congress 2010 (WEC 2010), Kuching, Sarawak |
| 58. | Testing of A Full Scale Precast Concrete H-Subframe | Ahmad Baharuddin Abd. Rahman | The 4th World Engineering Congress 2010 : Engineering & Technology for Global Stability and Security, Kuching, Sarawak |
| 59. | Modern Construction Materials – A Review on Japanese Industry | Muhammad Aamer Rafique Bhutta | The 4th World Engineering Congress 2010 : Engineering & Technology for Global Stability and Security, Kuching, Sarawak |
| 60. | Estimating Environment Externalities – Overview of Method and Application | Aifi Andrice Izhar Iswandi, Khairulzan Yahya and Zaiton Haron | The 4th World Engineering Congress 2010 : Engineering & Technology for Global Stability and Security, Kuching, Sarawak |
| 61. | Vulnerability of Public Buildings in Sarawak Subjected to Earthquake by Finite Element Modelling | Rozaina Ismail, Azlan Adnan, Azmi Ibrahim | The 4thh World Engineering Congress 2010 - Engineering & Technology for Global Stability and Security, Hilton Hotel, Kuching Sarawak. |
| 62. | Performance of Submerged Membrane Bioreactor in Treating Municipal Wastewater at Two Different Hydraulic Fluxes | M.R. Salim, A. Al-Amri, A. Aris | World Engineering Congress 2010, Kuching, Sarawak |



| NO. | TITLE OF ARTICLE | AUTHOR(S) | CONFERENCE |
|-----|--|--|--|
| 63. | Steel Frame with Concrete Panel : An Innovation in the Construction of Retaining wall | Farshi, I., Jorat, M.E. and Marto, A | World Engineering Congress 2010, Conference on Engineering and Technology Education Kuching, Sarawak, pg 532-537 |
| 64. | Structural Performance of Splice Sleeve Connector with Vertical and Spiral Reinforcement Bar Under Direct Tensile Load | Shuhaimi Shaedon, Ahmad Baharuddin Abd. Rahman, Izni Syahrizal Ibrahim & Zuhairi Abd Hamid | World Engineering Congress 2010, Kuching, Sarawak |
| 65. | Tensile Performance of Grouted Mild Steel Pipe Splice Connector for Precast Concrete Connection | Ling Jen Jua, Ahmad Baharuddin Abd. Rahman & Izni Syahrizal Ibrahim | World Engineering Congress 2010, Kuching, Sarawak |
| 66. | The influence of one-line emergent floodplain vegetation on overbank flow characteristics in a straight channel | Zulhilmi Ismail, Zulkiflee Ibrahim, Mohd Fauzi Mazuki, Sobri Harun, Siti Alshah Abdullah and Wan Norehan Wan Mamat | Conference on Natural Resources and Green Technology, World Engineering Congress (WEC 2010), Kuching, Sarawak |
| 67. | A Comparative Study of Energy Consumption and Carbon Emission Analyses Between RNC And NRNC Based on BIM Technology? | Muhd Zaimi Abd Majid, Abdul Kadir Marsono, Hamed Golzarpoor, Mohammad Kazerooni | 15th International Research Symposium on Advancement of Construction Management and Real Estate: Towards Sustainable Development of International Metropolis?, Johor Bahru, Malaysia, Proceedings of CRIOCM 2010, pp. 1-9 |
| 68. | Influence of Construction Material on Reducing Energy Consumption and Lifecycle Cost Based on BIM Technology? | Muhd Zaimi Abd Majid, Abdul Kadir Marsono, Hamed Golzarpoor, Behzad Hamidi | 15th International Research Symposium on ?Advancement of Construction Management and Real Estate: Towards Sustainable Development of International Metropolis?, Johor Bahru, Malaysia, Proceedings of CRIOCM 2010, pp. 155-160 |
| 69. | Influence of Material Insulation on Carbon Neutrality Potential Based on Autodesk Green Building Studio Analysis? | Muhd Zaimi Abd Majid, Abdul Kadir Marsono, Hamed Golzarpoor, Ali Keyvanfar | 15th International Research Symposium on ?Advancement of Construction Management and Real Estate: Towards Sustainable Development of International Metropolis?, Johor Bahru, Malaysia, Proceedings of CRIOCM 2010, pp. 160-163 |
| 70. | A Short-Term Investigation on High Volume Palm Oil Fuel Ash (POFA) Concrete | Awal, A.S.M.A. and Siew, K.N. | Proceedings of the 35th Coral Anniversary Conference on Our World in Concrete and Structures, Singapore, pp 185-192 |
| 71. | Evaluation of properties of workable porous concrete? | M. Aamer Rafique Bhutta and Ken Tsuruta | International Conference on Our World in Concrete and Structures, Singapore, [Accepted]. |
| 72. | Performance and Challenges of Microsurfacing in Malaysia | Nazaruddin Jamion, Mohd Rosli Hainin and Haryati Yaacob | The 8 th Malaysia Road Conference, Kuala Lumpur. |
| 73. | Effects of Rainfall on Skidding Resistance of Asphaltic Concrete Pavement | Haryati Yaacob, Mohd Rosli Hainin and Sudesh Nair A/L Baskara | The 8 th Malaysia Road Conference, Kuala Lumpur |



| NO. | TITLE OF ARTICLE | AUTHOR(S) | CONFERENCE |
|-----|--|---|--|
| 74. | Identification Of Rippability and Bedrock Depth Using Seismic Refraction | Nur Azwin Ismail, Rosli Saad, M.N.M Nawawi, Nordiana Mohd Muztaza, Noer El Hidayah Ismail (2010). Edy Tonnizam Mohamad | The 4 th Asian Physics Symposium, Bandung, Indonesia. |
| 75. | Influence of Construction Material on Energy Consumption, Lifecycle Energy Cost and Carbon Emission Based on BIM Technology? | Hamed Golzarpoor, Mohammad Kazerooni, Abdul Kadir Marsono, Behrooz Golzarpoor | 1st International Graduate Research Symposium on the Built Environment, Ankara, Turkey, Presented and Published in Proceedings of METU 2010 |
| 76. | Excavability Assessment of Weathered Sedimentary Rock Mass Using Seismic Velocity Method | Edy Tonnizam bin Mohamad, Rosli Saad, Muhazian Md. Noor, Mohamed, Fauzi bin Md. Isa, Ain Naadia Mazlan | The 4 th Asian Physics Symposium, Bandung, Indonesia |
| 77. | Three Dimensional Water Quality Modeling for Sungai Segget Watershed | Noor Baharim Hashim | First International Conference on Managing EcosystemHealth of Tropical Seas : Environmental Management in Coastal Ecosystems (ECOSEAS), Hotel Marriot Putrajaya, Putrajaya |
| 78. | Study on Concrete Strength and Sulfate Resistance of Mortar Containing Palm Oil Fuel Ash from Different Sources | Saleh Bamaga, Mohamed A.Ismail, M.W.Hussin | 2 nd Internatinal Symposium on Life-Cycle Civil Engineering (IALCCE2010), Taipei, Taiwan |
| 79. | Structural Health Monitoring System for Seismic Performance of DBKL2 Building | Azlan Adnan, Reza Vafaei, Reni Suryanita, Patrick Tiong, Mohd. Izzudin Ali, S. Vasagavijayan | Seminar on Sustainable Housing, ISI, UTM 2010 |
| 80. | Characterization of Weathering Profile of Granite in Tropical Terrain | Edy Tonnizam Mohamad, Rohayati Binti Razali and Mohd Fauzi Mohd. Isa | Second Asian Heads of Research Councils (ASIAHORCs) Joint Symposium, Natural Disaster Management: Lesson Learnt & Shared Best Practices, Impiana KLCC Hotel, Kuala Lumpur |
| 81. | Nonlinear Seismic Performance of Integral and Non-Integral Prestressed Concrete Box-Girder Bridges in Malaysia | Azlan Adnan, Meldi Suhatriil, Ismail Mohd. Taib | Second Asian Heads of Research Councils (ASIAHORCS), Hotel Impiana KLCC, Kuala Lumpur |
| 82. | The Effect of Blast Design in a Controlled Blasting | Edy Tonnizam Mohamad, Jamal Bin Rahmat, Mohd. Fauzi Mohd Isa, Nurly Gofar | Second Asian Heads of Research Councils (ASIAHORCs) Joint Symposium, Natural Disaster Management: Lesson Learnt & Shared Best Practices, Impiana KLCC Hotel, Kuala Lumpur |
| 83. | The Effect of Tin and Iron Mining to the Water Quality ? A Case Study in Kota Tinggi, Johor, Malaysia | Bahman Panahi, Norhan Abd Rahman, Edy Tonnizam Bin Mohamad | Second Asian Heads of Research Councils (ASIAHORCs) Joint Symposium, Natural Disaster Management: Lesson Learnt & Shared Best Practices, Impiana KLCC Hotel, Kuala Lumpur |



| NO. | TITLE OF ARTICLE | AUTHOR(S) | CONFERENCE |
|-----|--|--|--|
| 84. | Consideration of Geological Factors in the Seri Alam Quarry Rehabilitation Programme | Edy Tonnizam Mohamad, Mohd Noor Abdul Salam, Mohamed Fauzi Bin Md. Isa, Rosli Saad, Norhamidi Md Din, Sharifah Nurrul Hazwani Sayed Abdullah | International Conference and Exhibition on the Rehabilitation, Restoration and Transformation of Mining Land, Malaysian Chamber of Mines, Sunway Pyramid Convention Centre, Selangor |
| 85. | Possible remediation plan to mitigate acid mine drainage at an ex-iron mine in Dungun, Terengganu, Malaysia | Bahman Panahi, Norhan Abd. Rahman and Edy Tonnizam bin Mohamad | International Conference and Exhibition on the Rehabilitation, Restoration and Transformation of Mining Land, Malaysian Chamber of Mines, Sunway Pyramid Convention Centre, Selangor |
| 86. | Clay Bricks with Shred Geogrids | Niroumand, H., Kassim, Kh.A. | The 2010 International Conference on Environmental and Agriculture Engineering,(ICBEE) Cairo, Egypt |
| 87. | Benchmarks for Sustainable Formwork System | Rozana Zakaria Mohamed Taher Ahmad Al-Ashwal | The 1st International Conference on Sustainable Infrastructure and Built Environment in Developing Countries (SIBE 2009), Bandung, Indonesia |
| 88. | Performance of Bamboo-Geotextile Composite Reinforced Embankment on Soft Clay | Marto, A., Othman, B.A., Mohd Hanipiah, M.Z. and Hirman, H. | 3 rd International Graduate Conference on Engineering, Science, and Humanities 2010 (IGCESH2010) UTM Skudai, Johor |
| 89. | Geotechnical Properties of Tanjung Bin Coal Ash | Marto, A., Awang, A.R., Makhtar, A.M. Lee, F.W, and Yap, S.L | 3 rd International Graduate Conference on Engineering, Science, and Humanities 2010 (IGCESH2010) UTM Skudai, Johor |
| 90. | Influence of Construction Material on Carbon Neutrality Potential Based on Autodesk Green Building Studio Analysis | Hamed Golzarpoor, Abdul Kadir Marsono, Mohammad Kazerooni, Behrooz Golzarpoor | 3rd International Graduate Conference on Engineering, Science and Humanities, Johor Bahru, Malaysia, Presented and Published in Proceedings of IGCESH 2010 |
| 91. | Influence of Material Insulation on Reducing Energy Consumption and Lifecycle Cost Based on BIM Technology | Hamed Golzarpoor, Abdul Kadir Marsono, Mohammad Kazerooni, Behrooz Golzarpoor | 3rd International Graduate Conference on Engineering, Science and Humanities, Johor Bahru, Malaysia, Presented and Published in Proceedings of IGCESH 2010 |
| 92. | Soft Engineering on Slopy Ground | Mu'azu M.A., Ali N. and Kamarudin A. | Third International Graduate Conference on Engineering, Science and Humanity 2010, Johor Bahru. |
| 93. | Simulation Model of Traffic Operations on Single-Carriageway Roads : The Methodology | Zamri bin Bujang and Othman Che Puan | 3 rd International Graduate Conference on Engineering, Science & Humanities (IGCESH 2010), UTM. |
| 94. | A Microscopic Simulation Model for Capacity Analysis of Single-Carriageway Roads: The Methodology. | Zamri bin Bujang and Othman Che Puan. | 4 th International Conference of Postgraduate Education (ICPE 2010), UKM, Cititel KL |
| 95. | A Microscopic Simulation Model for Capacity Analysis of Single-Carriageway Roads: The Methodology. | Shoraka, M and Othman C.P. | 4 th International Conference of Postgraduate Education (ICPE 2010), UKM, Cititel KL, |



| NO. | TITLE OF ARTICLE | AUTHOR(S) | CONFERENCE |
|------|--|--|--|
| 96. | Compare of Compressive Strength in Mud Bricks with Shred Geogrids and Concrete Particles | Niroumand, H., Kassim, Kh.A.(2010) | IGSESH 2010, Johor Bahru |
| 97. | Effect of Permeability Disparity on Rainfall Infiltration into Residual Soil | Nurly Gofar Bimo Brata Adhitya, | International Graduate Conference in Engineering Science and Humanities (IGCESH 2010), Johor Bahru |
| 98. | New Seismic Hazard Map Using New Generation Attenuation for Seismic Design of Infrastructures in Putrajaya, Malaysia | Azlan Adnan, Meldi Suhatri, Hendriyawan (2010) | Seminar Teknikal Kebangsaan Gempa Bumi dan Tsunami di Malaysia (NatSET 2010), Jabatan Meteorologi Malaysia, Petaling Jaya, Selangor. |
| 99. | A Microscopic Simulation Model for Capacity Analysis of Single-Carriageway Roads: The Methodology | Zamri bin Buang and Othman Che Puan | 4 th International Conference of Postgraduate Education (ICPE 2010), UKM, Cititel KL. |
| 100. | The Correlations and Soil Properties Analysis of Maran, Pahang. | Hasan, M, Marto, A, and Ma'amor, N. N. | 8 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 101. | Prediction of Surface Settlement Based on the Analysis of Soil Movement Pattern Around the Tunnels | M. Hajihassani, M, Marto,A., Hisham,M. and Namazi, E. | 8 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 102. | Signaling Characterization of Tanjung Bin Bottom Ash | Lee, F.W., Marto, A., Makhtar, A.M. and Tey, K.H. | 8 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 103. | 2D Finite Element Analysis of Bamboo Reinforced Embankment | Marto, A., Ismail, B.N., Bakar, I. and Othman, B.A | 8 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 104. | Strength Characteristics of Kaolin mixed with Bottom Ash | Jorat, E, Marto, A. and Farschi, I. | 8 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 105. | Modelling the Deformation of Steel Frame with Concrete Panel: A Case Study from Iran | Jorat, E, Farschi, I., Marto, A. and Kasim, F | 8 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 106. | Influence of Dispersive Soil on Unsaturated Slope Stability Subjected to Rainfall Infiltration | Mohamed El-Byhagi El- Fadil, Nurly Gofar | International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah 1-3 December 2010 |
| 107. | Backanalysis of Rainfall Induced Slope Landslides by PERISI Model | Siti Jahara Matlan, Lee Min Lee and Nurly Gofar | International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 108. | Settlement of Embankment of Prefabricated Treated Soft Ground | Abdul Razak Ali and Nurly Gofar Siti Jahara Matlan, Lee Min Lee and Nurly Gofar | International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 109. | Effect of smear disturbance on the performance of PVD treated soil | Nurly Gofar, Harnedi Maizir | 14 th ISGE Annual Science Meeting, Yogyakarta, Indonesia |



| NO. | TITLE OF ARTICLE | AUTHOR(S) | CONFERENCE |
|------|--|---|--|
| 110. | Effect of Contaminants on Settlement Characteristics of Silty Soil | Rajeev Kumar P., Khairul A. Kassim | 18 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 111. | Physicochemical Behaviour of a Tropical Soil Treated with Phosphoric Acid | Kassim, K.A., Eisazadeh, A., and Nur, H. | 8 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 112. | Thermal Properties of Lime Stabilized Soils | Eisazadeh, A., Kassim, K.A., and Nur, H. | 8 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 113. | Numerical and Experimental Analysis of Pullon Test on Square Horizontal Anchor Plates | Niroumand, H., Khairul Anuar, Nazir, R. | 8 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 114. | Assessment of Contiguous Buildings Damage Due to Tunnelling | Hisham Mohamad, Eshagh Namzai | 8 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 115. | Numerical Analysis of Vegetative Induced Matric Suction Changes and Deformation | Ali N. and Mu'azu | 8 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 116. | 2-D Axi-Symmetric of Root Water-Uptake and Deformation | Mu'azu M.A., Ali N. and Kamarudin A. | 8 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 117. | Signalling Practices of Drivers on Multilane Highways | Othman Che Puan and Dorina Anak Astana | 8 th International Conference ofn Geotechnical and Transportation Engineering (GEOTROPIKA 2010), UTM Kota Kinabalu |
| 118. | The Effect of Moisture Content of Weathered Granite | Edy Tonnizam Mohamad, Mohd Fauzi Md. Isa and Rosli Saad | 8 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 119. | Groundwater Survey Using Geophysical Method at Nenasi, Pahang | Rosli Saad, Edy Tonnizam Mohamad, Shyeh Sahibul Karamah Masnan, Nordiana Muztaza, Zuriati Jusoh, Noer El Hidayah Ismail, Nur Azwin Ismail | 8 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 120. | The Seismic Refraction Survey in Shallow Subsurface Investigation | Rosli Saad, Mohd Nawawi Mohd Nordin, Nordiana Mohd Muztaza, Edy Tonnizam Mohamad | 8 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 121. | Excavatability Assessment of Weathered Sedimentary Rock Mass Using Seismic Velocity Method | Edy Tonnizam Mohamad, Muhazian Md Noor, Mohamed Fauzi Md. Isa, Ain Naadia Mazlan | 8 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 122. | Potential Alkali Silica in Aggregates | Edy Tonnizam Mohamad, Mohamed Fauzi Md. Isa and Sunaley Sian | 8 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |



| NO. | TITLE OF ARTICLE | AUTHOR(S) | CONFERENCE |
|------|---|---|--|
| 123. | Three Dimensional Analysis of Tunnel Face Stability Using Upper Bound Theorem in A Two-Layered Soil | Nima Khezri, Hisham Mohamad | 8 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 124. | Experimental Test in the Determination of Mangrove - Tsunami Run-up Relationship | Nor Eliza Alias, Hadibah Ismail | National Seminar on Coastal Morphology 2010 - The Muddy Coast of Malaysia, Publisher: NAHRIM (National Hydraulic Research Institute) |
| 125. | Modified Bitumen with Oil Palm Fruit Ash | Gatot Rusbintardgo, Mohd Rosli Hainin | 8 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 126. | An Assessment of the Surface Roughness Index of Various Bituminous Pavements in Malaysia | Suleiman Arafat Yero, Mohd Rosli Hainin, Abdul Aziz Chik, Haryati Yaacob | 8 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 127. | Use of Dynamic Modulus Test to Evaluate Moisture Susceptibility of Asphaltic Concrete Mixtures | J. Ahmad, M.Y.Abd Rahman, M.R.Hainin, M.Hossain | 8 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 128. | Skid Resistance and The Effect of Temperature | Mohd Ami Shafii, Haryati Yaacob, Mohd Rosli Hainin | 8 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 129. | Development of Software for Rigid Pavement Thickness Design | Mohd Khairi Idham Mohd Satar, Mohd Rosli Hainin, Haryati Yaacob, Dorina Anak Astana | 8 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 130. | The Effect of Epoxy of Bitumen Modification on Hot Mix Asphalt Properties and Rut Resistance | Dorina Anak Astana, Mohd Rosli Hainin, Che Ros Ismail, Mohd Khairul Idham Mohd Satar | 8 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 131. | Exploring the Usage of Nanoparticles in Pavement Engineering | Mohd Ezree Abdullah, K.A.Zamhari, M.K. Shamsuddin, Nafarizal Nayan, Mohd Rosli Hainin | 8 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 132. | Vertical Displacement of Underside Shaped Concrete Block Pavement | Azman Mohamed, Hasan Md Nor, Mohd Rosli Hainin | 8 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 133. | Mechanical and Hydrological Effects of A Tree on Slope Stabilization | Iman Farshchi, Nazri Ali, Mohammad Ehsan Jorat | 8 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 134. | Speed/Density Linearity Shift Resulting from Road Humps | Ben-Edigbe, J | 8 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 135. | Effect of Industrial Chemicals on The Shear Strength and Settlement Characteristics of Silty Soil | Rajeev Kumar Prasannan Pillai | 8 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 136. | Import Effects of A Tree on Slope Stabilization | Nazri Ali | 8 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |



| NO. | TITLE OF ARTICLE | AUTHOR(S) | CONFERENCE |
|------|--|---|--|
| 137. | Numerical Analysis of Vegetative Induced Matrix Suction Changes and Deformation | Nazri Ali | 8 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 138. | 2-D Axi-Symmetric of Root Water-Uptake and Deformation | Nazri Ali, Mu'azu Mohammed Abdullahi | 8 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 139. | Rippability Assessment of Quartzite in Kenny Hill Formation | Chan Sook Huei, Mohd For Mohd Amin, Ir. Ramlee Othman, Ir. Edayu binti Salleh @ Aman | 8 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 140. | Transverse Rumble Strips Application in Malaysia | M.H. Othman, Z. Haron, K. Yahya, H. Yaacob M. Abd Latif | Proceeding of Highway Engineering, 8 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 141. | Transverse Rumble Strips: A Review of Noise Problems | M.H. Othman, Z. Haron, K. Yahya, H. Yaacob M. Abd Latif | Proceeding of Highway Engineering, 8 th International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 142. | Sustainable elements for Concrete Floor Materials | A.L.Salleh, Z. Haron, R. Zakaria | Proceeding of 2010 International Conference on Construction & Real Estate Management, Brisbane Australia |
| 143. | Estimating Potential Buildings Damage Induced by Adjacent Excavation and Tunneling | Mokhammad Farid Ma'aruf, Eshagh Namazi | International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 144. | Three Dimensional Analysis of Tunnel Face Stability Using Upper Bound Theorem in Non-Homogeneous Soils | Mokhammad Farid Ma'aruf, Nima Khezri | International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 145. | The Effect of Capillary Barrier on Mitigating Rainfall-Induced Slope Failure | Mokhammad Farid Ma'aruf, Bimo Brata Adhitya, Nurly Gofar | International Conference on Geotechnical and Transportation Engineering (GEOTROPIKA 2010), Kota Kinabalu, Sabah |
| 146. | Engineering Geophysics : A Case Study of Highway Construction Project at Limbang, Sarawak | Nur Azwin Ismail, Rosli Saad, M.N.M. Nawawi, Nordiana Muztaza, Noer El Hidayah Ismail, Edy Tonnizam Mohamad | Seminar Kebangsaan Aplikasi Sains dan Matematik 2010 (SKASM2010), KUITTHO, Batu Pahat |
| 147. | Utilities Detection Using 3-D GPR Survey | Nordiana Mohd Muztaza, Rosli Saad, M.N.M Nawawi, K.A.N Adiat, Nur Azwin Ismail, Noer El Hidayah Ismail and Edy Tonnizam Mohamad | Seminar Kebangsaan Aplikasi Sains dan Matematik 2010 (SKASM2010), KUITTHO, Batu Pahat |
| 148. | Identify Fault and Fractures Using 2-D Resistivity Imaging Method | Noer El Hidayah, Rosli Saad, Nordiana Mohd Muztaza, Nur Azwin Ismail, M.N.M Nawawi, Edy Tonnizam Mohamad | Seminar Kebangsaan Aplikasi Sains dan Matematik 2010 (SKASM2010), KUITTHO, Batu Pahat |



| NO. | TITLE OF ARTICLE | AUTHOR(S) | CONFERENCE |
|------|---|--|--|
| 149. | The Cause of Ground Subsidence Detected by Geophysical Method | Rosli Saad, Nordiana Mohd Muztaza, Nur Azwin Ismail, Noer El Hidayah, F.Ahmad and Edy Tonnizam Mohamad | Seminar Kebangsaan Aplikasi Sains dan Matematik 2010 (SKASM2010), KUITTHO, Batu Pahat |
| 150. | Integrated Science for Sustainable Development | Fadil Othman | 18 th UTHM National Seminar on Apply Science and Mathematics (SKSM ke-18), The Zon Regency Hotel, Johor Bahru |
| 151. | Geophysical Investigation in Mapping Subsurface Features for Engineering Purpose | Nur Azwin Ismail, Rosli Saad, M.N.M Nawawi, Nordiana Mohd Muztaza, Noer El Hidayah Ismail, Edy Tonnizam Mohamad | International Conference on Environment 2010 (ICENV 2010) Penang |
| 152. | Determination of Slope Failure Using Geophysical Methods | Nordiana Mohd Muztaza, Rosli Saad, Mohd Nawawi Mohd Nordin, K.A.N Adiat, Nur Azwin Ismail, Noer El Hidayah, Edy Tonnizam Mohamad | International Conference on Environment 2010 (ICENV 2010) Penang |
| 153. | Use of 2-D Resistivity Imaging System to Find Groundwater Reservoir for Agriculture Purpose Seismic Refraction Survey in Shallow Subsurface Investigation | Noer El Hidayah Ismail, Rosli Saad, Nordiana Mohd Muztaza, Nur Azwin Ismail, M.N.M Nawawi, Edy Tonnizam Mohamad | International Conference on Environment 2010 (ICENV 2010) Penang |
| 154. | Seismic Refraction Survey in Shallow Subsurface Investigtio | Rosli Saad, M.N.M Nawawi, Nordiana Mohd Muztaza, Nur Azwin, Noer El Hidayah Ismail, Edy Tonnizam Mohamad | International Conference on Environment 2010 (ICENV 2010) Penang |
| 155. | Methodology f or Modeling The SRB-Influenced Corrosion | Nordin Yahaya, Arman Abdullah | 3rd International Conference on Science & Technology (ICSTIE 2010) |
| 156. | Influence of Soil Composition on Corrosion Resistance of Buried Steel Coupon | Nordin Yahaya, Siti Rabeah Othman | 3rd International Conference on Science & Technology (ICSTIE 2010) |

ORIGINAL MANUSCRIPTS

| NO. | MANUSCRIPTS/BOOK TITLE | AUTHOR(S) |
|-----|--|--|
| 1. | Steelwork Design : Guide to BS5950-1:2000 | Mahmood Md. Tahir, Shahrin Mohammad, Mohd. Hanim Osman, Mohamad Ismail, Sarifuddin Saad, A. Aziz Saim, Yusof Ahmad, Airil Yasreen Mohd. Yassin |
| 2. | Structured Programming Using C++ In Simple Step Engineering Applications | Nasly Mohamed Ali & Haniisah Abu Azam |
| 3. | Water Sustainability: Wisdom In The Headwater | Zulkifli Yusop |
| 4. | Sistem Fast-Track Wall - Siri Penemuan Penyelidikan | Mohd Zaimi Abd. Majid, Rosli Mohamad Zin & Jamiah Md Salleh |
| 5. | 3 Dekad Pembangunan Kampus UTM | Wahid Omar, Mohd Afizan Alang |

